




Illuminated Tuning Meter Rapidly Pin. Points Both AM and FM Stations.

Stereo "Search" Indicates Stereo Broadcast with Audible Tone Signal


Remote Speaker Switch to Operate Main or Extension Speakers.

Front Panel Stereo Headphone Jack.

## 30 Watt Solid State AM/FM Stereo Receiver High in Performance - Low in Price

Famous Lafayette quality at an astonishing low price. Power-packed solid-state amplifier provides 30 -watts of high fidelity sound at 8 ohms! Just place the LR-99 in a convenient place in your home, add iwo speakers and enjoy top-notch AM standard broadcasts, FM and Stereo FM. The versatile control panel allows you to optlmize sound quality to your taste. The tuner section" features the dependable "Stereo Search" circuit to audibly signal the presence of FM stereo broadcasts; five FM IF stages; excellent selectivity, stereo separatlon and rejection of signal interference. A total of 52 high quality semiconductors assure cool running, instant play operation, with protective circuit against accidental shorts or overloads. Additional fea-
tures: smooth tuning with flywheel weight knob and signal strength tuning meter: illuminated slide rule dial; front panel stereo headphone jack permits private listening of your favorite stereo broadcasts or records; 2-position action rocker switch to allow choice of output from either main or remote speakers. Controls include: individual Bass and Treble and concentric Volume/Balance. Sturdy rocker switches for Stereo Filter: AC Power; Loudness, Mode (stereo/mono) and Stereo Search. Beautifully styled gold finish extruded aluminum panel with attractive two-tone knobs and simulated walnut grain metal case. $1311 / 16 \mathrm{~W} \times 4 \mathrm{H} / \mathrm{h}$ H $\times 10^{\circ} \mathrm{D}$, For $111 \mathrm{Vv}, 50 / 60$ Cps AC, Imported. Shpg. wt., 20 lbs. 99 H 0191WX $\$ 6.50$ Monthly .... Net 119.95

## TUNER SECTION

FM: 3 Gang Tuning Condenser, Tuning Range: $88-108 \mathrm{MC}$, IHF Sensitivity: $3 \mu \mathrm{~V}$. Image Rejection: 55 db . If Rejection: 80db. Capture Ratio: 3.5 db . Signal-to-Noise Ratio: -55 db , Stereo Separation: 32 db at 400 cycles. Antenna: 300 ohms balanced input for external antenna 75 ohms unbalanced, built-in AM antenna.
AM: 3 Gang Tuning Condenser. Tuning Range: $540-1605 \mathrm{Kc}$, Image Rejectlon: 50db, Antenna: Built-in Ferrite bar.

## AMPLIFIER SECTION

Power Output: 30 watts total music power at 8 ohms, Power Bandwidth: $40-17,000 \mathrm{cps}$, Frequency Response at 1 watt: 20 to 20,000 cycles $\pm 2 \mathrm{db}$. Harmonic Distortion (at i watt:), $0.5 \%$. Mum/Noise: - 500 db on Magnetic Phono, Input Sensltivity: Magnetic phono, 3 mv , Ceramic phono 80 mv ; Auxiliary, 250 mv . Base Control at 50 Cycles: 20 db total, Treble (at 10 Kc :) 20 db total, Loudness Control: 10 db at 50 cycles, 4.5 db at 10 KC , output Impedance: $4,8 \& 16$ ohms; low impedance stereo headphone jack.

## ONLY



Wolnut Grain Cose NO MONEY DOWN 35 Transistors 17 Diodes

- 30.Wott Stereo Amplifier
- Tone Type Stereo Seorch Indicotes Stereo Broodcost
- 5-Position Selector Switch
- Signol Strength Type Tuning Meter Fine Tunes AM \& FM
- Positive Action Rocker Switches
- Switchoble Loudness Control
- 2 Auxiliory AC Convenience Outlets (1 Switched)
- 5 IF and Limiting Stoges
- Fused Output Tronsistors


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LR-1000T
 Sofily lllumi. noted D'Arsonval Slanal Strength Meter Permits Fast, Accurate Tuning on FM \& AM.

Selector Swlich Determines the Mode of Operotlon For The Re. ceiver - AM, FM Filter, FM, Phano, Tape Heod and Auxiliary.

Interstation Mut Ing Control Eliminates Nolso Botwoen Stations on AM and FM When Tuning Across Dial.


Colored Functlon tights to Indicate Phono, Tape, or Auxiliary Set tings of The Se. lector Switch.

## NEW! Lafayette 120 Watt Solid State AM/FM Stereo Receiver

 with new revolutionary "IC's" and FIELD-EFFECT Transistors.The exceptional component quality and enduring performance of the LR-1000Tcontributes directly to it s superb sound reproduction. Features the new space age miracle, "IC's", plus FET's in the tuner Front end. With the LR-1000T's advanced solid state circultry you are assured of the best possible selectivity, improved capture ratio and unconditional stablilty. In addition to advanced circuitry you have all the controls you need to adjust the sound to your particular taste: Separate Bass, Treble, and Valume controls plus a balance control. Other features that have been included to make operation effortless are: Special filter that can be switched in or out from the front panel to minimize
high frequency nolse; precision vernier tuning control; front panel headphone output jack, and tape output jack for direct tape recording without use of a separate ampli. fier; tape monitor and loudness switches; mode and selector switches; special muting control; signal strength tuning meter; colored function lights and automatic FM stereo Indicator light. Complete input and output facilities designed for easy installation and connection to any program source or external components. Professionally brushed gold extruded aluminum front panel and simulated walnut grain metal case. For $105-120 \mathrm{~V}$., 60 cps AC. Size: 1578 x $43 / 8 \times 1111_{10}{ }^{\circ} \mathrm{O}$. Imported. Shpg. Wt. 22 lbs. 99 H 0183Wx $\$ 11$ Monthly ....... Net 219.95

## SPECIFICATIONS

## TUNER SECTION

4 Gang Tuning Condenser. Usable FM Sensitivlty IHF: $1.65 \mu \mathrm{v}$. FM Stereo Separation: 38db @ 400cps. Signal-to-Nolse Ratio: 68db, Spurious Response Rejection: 95db. Harmonic Distortion: @ 100\% modulation $0.4 \%$. Capture Ratio: 1.5 db . Cross Modulation Index: 90 db . FM Antenna Impedance: 300 ohms balanced. AM Section: $\mathbf{3}$ gang tuning condenser. IHF External antenna sensitivity: $\mathbf{1 8 \mu} \mathrm{V}$. AMPLIFIER SECTION
Power: 120 watts (IHF) @ 4-ohm; 60 watts per channel, 95 watts @ 8 ohms. Frequency Response: 22-20,000 Cps $\pm 1 \mathrm{db}$. Harmonic Distortion: @ rated output, less than $1 \%, .2 \%$ at 1 watt at 1 Kc . IM Distortion: @ rated output, $0.4 \%$. Hum and Noise: Tape Mead, - 57 db ; Phono (high), - 57 db ; Auxlliary, -75 db. Power Bandwidth: 22-40,000 Cps. Input Sensitivity: Tape Head, 2.5 mV ; Phono (high), 2.2 mV ; Phono (low), 7 mV ; Auxiliary, 270 mV . Output Impedance: $4-16$ ohms; low impedance stereo headphones.

ONLY
$219^{95}$
WITH CASE
NO MONEY DOWN

[^0]For the Ultimate in Performance and Reliability

## OUR NEW 150-WATT SOLID STATE AM-FM STEREO RECEIVER

With
...and Field Effect Transistors



LR-1500T

|  |  |  | MUTE |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Softly Illuminated D'Arsonval Signal Strength Meter Permits Fast, Accurate Tuning on FM \& AM. | Stereo Indicator Light Auto matically Switches "On" When FM Stereo Program is being Broadcast. | 2 AC convenience outlets (1 switched). | Interstation Muting Control Eliminates Nolse Between Stations when Tuning. | Variable Automatic Fre. quency Control (AFC) keeps FM station "locked-in"... prevents drift. | Phono Selector Switch matches phono and tuner sound output . . . ellminates blasting. |

## 4 IC's - 2 FETS - 41 TRANSISTORS-40 DIODES - 2 THERMISTORS

- Inherently Coal Operation for Installation Anywherel
- Massive, Regulated Power Transformer Insures Proper Tuner/Amplifier Operatian
- Fused Output Transistors
- Center Channel Output
- Illuminaled Selectar Functian Indicator Jewels
- Built-in AM and FM Antennas
- IHF FM Sensitivity 1.5 uv

ONIY


NO MONEY DOWN

## SPECIFICATIONS

FM SECTION: 4 Gang Tuning condenser. Tuning Range: $88-108 \mathrm{Mc}$. Capture Ratio: 1.25 db . Selectivity: 40 dion: 40 db @ $400 \mathrm{cDs} \mathrm{S} / \mathrm{N}$ Ratio $100 \%$ Modura. tion): 68 db . Spurious Response Rejection: 95 db . tion): 68 db. Spurious Response Rejection: 95 db: 300 ohms balanced. AM SECTION: 3 Gang Tuning Condenser. Tuning Range: $535-1605 \mathrm{Kc}$. External Antenna Sensitivity: $15 \mu v$. AMPLIFIER SECTION: Power: 150 Watts (IHF) @ 4 ohms, 120 watts @ 8 ohms. Total Harmonic Distortion @ rated output: under $1 \%$; @ watt $15 \%$. Frequency Response: cos. Hum and Noise: Tape HD., 57 db . Phono - 57 db ; Aux., - 75 db . Input Sensitivity: Jape HD., 2.5 mv ; Phono, (high) 1.8 mv , (medium) 4.5 mv , (low) 12 my ; Aux., 270 mv . Output Impedances: 4, 8, and 16 ohms:

- Exclusive Frant and Rear Panel Tape Output Jacks
- Separale Input Jacks Provide Far Two Magnetic Phona and Far Ceramie/Crystal Cartridges
- Fulf-Length Backlighted Slide Rule Dial
- Automatic Stereo FM Switching
- Adjustable Automatic Interstation Muting

Lafayette's finest deluxe solid state AM/FM stereo receiver! The LR-1500T 150-watt stereo receiver is expressly engineered to blend the ultimate in high fidelity sound with superb performance, long life, and space-age reliability. In addition to its complement of fine quality transistors the 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 reliability and exceptional performance for many years to come. Utilizes a complete set of automatic and manual controls such as: Automatic FM stereo/ mono switching; sharp, adjustable Muting circuit to silence the receiver when tuning between stations; dual system speaker switch permits enjoyment of stereo in one or two rooms separately or simultaneously; direct tape monitor switch for tape monitoring without changing cable connections; and a center channel low level output for monaural amplifier and speaker. AM of section has a separate 3 -gang tuning condenser and if 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. Features a handsome gold anodized extruded aluminum front panel with matching knobs and includes an attractive vinyl-clad metal enclosure finished with the simulated look of rich walnut wood-grain. For $117 V$., $50 / 60$ cycles AC. Imported. Size: $16^{3 / 4} \times 4 \frac{5 / 8}{} \times 14^{1 / 4^{*} D}$. Shpg. wt., 32 lbs.
99 H 0190WX $\$ 13.50$ Monthly


## The Eleatronic Mrode Of The Spoce-Age plus Fietd Effect Tronsistors Make The LR-500T The Most Advanced 60 Won Solitid Sicle AM/FM Stereo Recelver We Hove Ever Bulif!



## MODEL LR-500T

- With New Revolutionary IC's for Outstanding Performance
- 4 IC's, 2 FET's, $30^{\circ}$ Transistors, 17 Diodes and 4 Thermistors
Just add speakers and an antenna, then sit back and enjoy the magnificent FM stereo sound that comes from the finest 60 watt Solid-State AM/FM Stereo receiver we have ever built. Employing space-age technology in its design, the LR 5007 incorporates 4 revolutionary Integrated Circuits and 2 high-performance Field Effect Transistors in the FM section to provide dramatic improvements in FM stereo reception. And, because of the amazing reliability of these new devices, you are assured of this superior performance for many years to come.
Advanced solld-state engineering has been applled to other areas of the receiver too. AM broadcast reception is im proved to let you hear your favorite AM stations with max imum possible fidelity. There's a built-In AM antenna for local stations, plus provislon for an external antenna for
those dlstant, hard-to-get stations. And all program sources
- 60 Watts Of Flawless Stereo Output Power
- Fused Output Transistors-Protects Transistors Against Shorts or Overloads
Exclusive Front and Rear Panel Tape Output Jacks
-hullt-in AM and FM or external-are superbly reproduced through the audio section, 4 rugged silicon output tranfidelity assure you of stunning realism. And there's every needed control for complete fiexibllity of operation, plus a full range of stereo inputs to accomodate virtually any external program source, You get outputs for stereo tape recording (both front and rear of unit for convenience), provision for 4,8 or 16 ohm main and remote speakers, plus a stereo headphone receptacie. Check the distinctive styling oo. There's a handsome brushed gold extruded aluminum front panel with matching knobs and, at no extra cost, you set a vinyl-clad heavy gauge metal enciosure with the sou 5 "H. For 117 V 50/60 cDs AC. Imported Shpg wt, 20 lbs. 99 H 0182WX $\$ 9$ Monthly

Integrated Circuit The size of a tiny trana complete circuit in mininture with circuit irmala tora and 9 redithers Pro vide Jumulic Improve. ment: in FM reception pius life-time depend obility.

Field Effect Transistors High Performance FET RF amplifier and Mixer in FM "front end" provide high overlood capability, excollent cross-mod. fien.

Automatic FM Stereo Switchin Receiver cutomotically switche o stereo mode and Hghts indi ator when you tune to a stereo station
 Pr accurate tuning at FM and AM stations

Speaker Mode Switc Switches sound to main or remote speakers sepor ately, or to both sets imulroneously, plus for private listening

## TECHNICAL SPECIFICATIONS

TUNER SECTION. 4 Gang Tuning Condenser. Tuning Range: FM $88-108 \mathrm{Mc}$, AM 535.1605 KC . FM-IHF Sensitivity: $1.8 \mu \mathrm{~V}$. S/N Ratio: 67 db . Distortion: $0.5 \%$ at $100 \%$ Mod. Spurious Response Rejection: 95 db . Capture Ratio: 1.75 db . Stereo MPX Separation: 35 db at 400 cycles. Cross Modulation Index: 90 db . AM SECTION: 3 Gang Tuning Condenser. IHF External Antenna Sensitivity: $20 \mu$ Image Response Rejection: 50db
AMPLIFIER SECTION. IHF Power Output: 60 watts ( 30 each channel) at 4 ohms 50 watts ( 25 each channel) at 8 ohms. Frequency Response: 22-20,000 cycles $\pm 1 \mathrm{db}$ at 1 watt. Power Bandwidth: $25-35,000 \mathrm{cps}$, Harmonic Distortion: Less than $1 \%$ at fuli output; $0.3 \%$ at i watt. Channel Separation: 70 do at 1 Kc . Hum \& Noise: Auxllary -72 db ; Phono - 55 db . Input Sensitivity: Mag Phono 2.2 mv ; Tape Hd 2.5 mV ; Aux 270 mV ; Tape-In 500 mV . Output Impedance: $\mathbf{4}-16$ ohm speaker (main \& remote).


## A Lafayette Special - 30 Watt Solid State Stereo Amplifier

## All Solid State...

Cool, Instantaneous Operation

## 19-Transistors, 8-Diodes

- IHF Music Power 30.Watts Total at 8 Ohms
- Frequency Response $30.20-000 \mathrm{cps}$ of 1. Wall $\pm 2 \mathrm{db}$
- Complete With Altractive Complementary Case $\Rightarrow$ - Slereo Headphone Jack on Frant Panel

A "Remarkable" value by any standard of comparison, Offers strikingly pure sound reproducAll the characteristics of a quality Hi Fi amplifier have been incorporated into the LA-224T. At tractive slim styling permits unrestricted place ment of this unlt in the home. 30 -watts power supplied through the use of 19-transistors, 8 -diode clicultry for instant, cool operation, low current drain, minimum distortion and noise, excellent frequency response. A full complemen of front panel controls have been provided for volume, Bass and Treble controls allow inde. pendent level control over each channel. Mode switch controls mono, or Stereo operation. Se-
lector switch determines external music source: lector switch determines external music source:
Phono; Tuner; or Auxiliary positions. An addi. Phono; Tuner; or Auxillary positions. An addi. headphone listening. Rear panel features an or $A C$ headphone listening. Rear panel features an AC jacks for recording through your tape recorder; complete with palred input jacks for Magnetic Crystal or Ceramic cartridges. Speaker outputs for all 4,8 , and 16 ohm impedance speakers. Advanced design insures longer llfe of the semiconductors in the unit. Attractive, brushed aluminum, gold anodized, extruded front panel with $71 \%, 0$. Shog. wt 9 lbs. For 110 to $101 / 4 \mathrm{~W} \times 3 \%, \mathrm{H}$ cycles AC. Imported. 99 H $0167 \mathrm{WX} \$ 5.00$ monthly

Tope recorder output jacks for recording inrough your tope recorder.

Extruded Brushed Aluminum Gold-Anodized front panel.


Frant Panel heodphone lack permits private lis toning to your favarite stereo source.

AC canvenionce outlot on reor panel provides power to associoted equipment.

vol bal

Concentric Control vorios lolume of each or both honnels.

## SPECIFICATIONS

Power Output: 30 -watts IHF; 15 -watts per channel. Frequency Response: 30 20,000 $\frac{ \pm 2 d b}{}$ at 1 -watt. Harmonic Distor tion: $1 \%$ or iess. Hum and Noise: Mag
phono - 50 db : Tuner/Auxiliary -65 db . sensitlvity: (Mag input) 3 mv at 1 -watt tuner/auxiliary 250 mv .
Crosstalk: 45 db at $1,000 \mathrm{cps}$. Controls: Power on/off, Spkr/Phone, Bass, Treble, plement: 19.Transistors, 8-Dlodes


Quality solid state stereo pre-amplifier and dual channel 85 watt amplifier on one integrated chassis. Compact $13^{\prime \prime} \times$ $3^{7 / 8^{\prime \prime}} \times 9^{1 / 4}$ " size and minimum of heat make for easy installation anywhere. Instant play, no waiting for warm-up are characteristic of this quality transistorized amplifier. The fully transistorized circuitry incorporated in the LA-85T provides for a very low degree of hum, noise, and microphonics normally encountered with ordinary tube amplifiers. 4 stereo inputs accept stereo/monaural
phono, tape head, tuner, and aux. Speaker outputs for 4,8 , or 16 ohm impedance, plus convenient front and rear cutputs 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 AC 50/60 cycles. Shpg. wt. 14 lbs
99 H 0187WX $\$ 5$ Monthly
Net 99.95

IHF Music Power: 85 Watts at 4 ohms total. 42.5 watts per channel, 60 watts into 8 ohms; Frequency Response: 22 cycles $-20,000 \mathrm{cps} \pm 1 \mathrm{db}$. Harmonic Distortion: less than $1 \%$ at rated ous. put, $2 \%$ at 1 watt at 1 Kc . Channel Separation: 65 db at 1 Kc . Hum and Noise: tape head and phono -57 db , aux and tuner -750 d . nput senphono less than 25 mV High Frequency Filter: -10 db 10 Kc .

Tone Controls: 25 dh range at 50 eycles. 24 db t 10 kc . Loudness Control: +11 db at 50 24 db at 10 Kc . Loudnes

- All Salla Stale
- 42.5 Watts Per Channel
- Caal, \& Instant Operation
- Tope Aecio d linpuls
- Playback Uutputs
- $Q$ Versatile Cantrols
- Brushar Aluminum, Cold Anodized Extruded Front Panel
- Simulated Walnut Waad Groin Case
- Direct Coupled Output Matches 4,8 ar 16. Ohm Speakers
- Fused Oulput Iransistars
- 2 aC Convenience Duilate (1 Swilched)


High Filter for
elimination
of high
frequency noises

Front and Reor
.... •. *

Manitar switch
for tope
plarback ond
plarbock ond
recording

Micraphane/Musical
Micraphane/Musical
Jack conveniently
loconvenien on
lonted
frant panel

## 125 WATT SOLID STATE STEREO AMPLIFIER

## Enjoy The Richness Of Unexcelled Stereophonic Sound!

Deluxe Lafayette solid state 125 watt single chassis preamplifier and amplifier. Hs incredible $13^{\prime \prime} \times 3 \%^{\prime \prime} x$ deal size and cool transistorized circuitry make 125 watts of location in your home. Produces a +2 db with virtually no faltering at either end of the response range. The circuitry incorporated within the A. 125 T will provide years of trouble free operation Concentric Balance/Volume, Treble, and Bass Con rols provide easy adjustment on both channels. Four rocker" type switches for Low Filter. High Filter, levels, Tape Monitor Switch for monitoring tape while recording, and playing tape back through amplifier. Three quallty mulit-position rotary switches for Spaaker Mode, Amplifir Mode, and Program Source

Headphones, lape Uuipul, and Mierophomo or Musi cal input. The rear panel provides you with 12 inputs ( 6 inputs per channel), and 2 outputs for tape recording direct through amplifier. The $\mathbf{1 2}$ stereo inputs nclude: Magnetic, Ceramic phono Cartridge; Tape Head input for direct connection to tape deck that does not have playback preamplifier: Tuner; Auxilary: and Tape Input for connection of a tape deck connections permit the use of 4,8 or 16 ohm speak ers. Special remote speaker termillals are provided or remote placement of speakers anywhere in your home. Protective fuses prevent damage to outpu transistors from accidentat speaker terminal shorts For 117 volts AC, 60 cps Maximum power consump ion 115 watts. Shpg. wt., 12 lbs 99 H 0185WX $\$ 7$ Monthly

Net 129.95

## SPFRIFICATIONS

IHF Music Power: 125 walls al 4 ahme, 62.5 watts per channel. 95 watts at 8 onms. Frequency Response: $22 \cdot 20,000$ cycles $\frac{ \pm 1}{}$ db at 1 watt. Power Bandwidin: 25-35,000 cycles. Harmonic Distortion: at 1 Kc , less than $1 \%$ at rated power, $.2 \%$ at 1 watt. Channel Senara. and tuner -75 db , tape head phono and and tuner - 75 db , tape head, phono and aux and tuner, 270 mv ; tape head, 2.5 mv ; phono (cer!, 80 mV , phono (Mag), H 2.2 mV , 17 mV , Mic Guitar 6 mV . Low Frequency filter: -17 db at 20 cycles. High Frequency Filter: - 10 do at 10 Kc . High Frequency Filter: - 10 db at 10 Kc .
Loudness Switch: 110 at 50 frle it \$0 ppt, 230y it 10 m

## 20 Transistors, 1 Diodes

- All Solid State
-62.5 Watts Per Chonnel
- Low ond High Frequoncy filfers
- 10 Conirols For Opilmum rerformane
- Protective Transistor Outpul Fuses
- llcay\% Euip Transinemer Operoted Yower Supply
- Direal Coupled Output Moiches 4,8 , or 16 Ohm Speoker
- Simuloted Walnut Wood Grain Cose
- Remote Speoker Terminols
- Brushed Aluminum, Gold Anodized Extruded Fronl Panel
- Tape Oulput Jocks, front and Zeer

AM/FM Stereo Tuners


## 4 IC'S PLUS 2 FET'S, 10 TRANSISTORS, 12 DIODES!

4 IC's, 2 FET's, 10 transistors, and 12 diodes go into making this fine Lafayette tuner an extraordinary performer. Tune more stations than you ever thought possible before ...virtually flawless reception of strong local stations as well as weak distant ones. Unprecedented clear reproduction with least outside noise interference! All solid state circuitry assures natural "Transistor Sound", cool and hum-free operation. 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 Lafayette type IC contains 5 tran. sistors, and 2 resistors. In addition to advanced solid state circuitry, the LT-425T
features built-in AM loopstick $\mathbf{2} \mathbf{3 0 0}$ ohms FM antennas; illuminated tuning meter on front panel for easy and precise tuning of incoming signals. Front panel controls include: Tape output jack; AM/FM selector switch; meter function selector switch for zero. center tuning and signal strength reading; Muting control; Filter In/Out; Mono/Stereo Mode switch. Power Off/On; and Tuning control. The LT-425T, with its handsome brushed aluminum gold anodized extruded front panel, and simulated walnut wood grain case makes it ideal for any decor. The LT-425T may also be built into cabinets without fear of heat damage usually caused by tuners utilizing heat generating tubes. Size: 13 x $37 / 8 \times 9 h^{\prime \prime}$, For 110 V , 60 cycles $A C$. Imported. Shpg. wt. 11 los. 99 H 0184WX $\$ 5$ Monthly $\qquad$ Net 99.95

## SPECIFICATIONS

FM SECTION: 4 Gang Tuning Condenser. FM Sensitivity, IHF: $1.6 \mu \mathrm{~V}$. Signal-to-Noise Ratlo: 68 db ( 400 cycles $100 \%$ mod., 1 mv input); Harmonic Distortion @ $100 \%$ Modulation, $0.4 \%$. Image Response: 85 db . Deemphasis $75 \mu \mathrm{sec}$. Spurious Response Rejection: 95 db ; Selectivity: 40 db ; Capture Ratio: 1.5 db ; MPX Channel Separation: 38 db at 400 cycles. Cross Modulation Index: 90db. External Antenna Impedance: 300 ohms (balanced) FM Tuning Range: $88-108 \mathrm{Mc}$. AM SECTION: 3 Gang Tuning Condenser. AM Tuning Range: $535-1605 \mathrm{Kc}$. IHF External AM Antenna Sensitivity, 15 uV . Image Response Rejection: 50 db . Selectivity: $\pm 20 \mathrm{Kc}$; Signal-to-Noise Ratio ( 400 cycles $30 \%, 1 \mathrm{mv}$ input): 40 db .

# An Exceptional Value at 99\% 

NO MONEY DOWN

## FEATURES

- All Salid Stole
- Front Ponel Tuning / Zero Center Meter Far Accurate Tuning of Stations
- 40 db Sterea Multiplex Separation
- Fully Autamotic Sterea Indication
- Muting Contral For Eliminatian of Noise Between Stotions While Tuning
- Noise Filter Minimizes Static interference
- Buidp-In AM/FM Antennos
- Frant and Rear Ponel Tope Outpur Jocks
"Double-Driven" 10 Element FM Antenna
 Ideally suited to Multiplex FM reception. This 10-element double-driven yagi array has the necessary added gain, sensitivity and directivity to compensate for any lack of signal strength. All-aluminum goldenized construction. Fiberglas insulators. Torsion lock hardware sure-lock clamp. Shpg. wt., 7 lbs.
18 H 0128WX
Net 9.95

Nuvistor Cascode FM Preamplifler is the ideal solution for weak, fading, and noisy FM reception. Extremely easy to Install and operate; just connect between your existing FM antenna and tuner or receiver with 300 ohm twin-Jead wire. Contains its own power sup. ply 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 inher. ent in weak FM multiplex signals. Features two 6DSA nuvistors in cascade circult. Slize $53 / 4 \mathrm{~W} \times 3 \mathrm{H} \times 35 / \mathrm{a}$ "D. Power requirements 117 VAC at 60 cps. Shpg. wt., 3 lbs.

Nuvistor FM Preamplifier

FM Stereo/Multiplex Antenna


- Pulls In More FM Stotions
- Reduces Drift, Hum and Naise
- Up to 10 Times More Effective Than Built-in Antennos

The Model FM1000 features $1 / 4$-wave 4 -section precision arms; $1 / 4$-wave induction coll; 12-position station direction control and a special noise filtering circuit for extremely effective performance. Weak stations are strengthened and reflected signals and background-nolse are blocked out. Low sil. houette slim-line styling. Shpg. wt., 3 lbs. 18 H 1217 Mahogany .........................Net 6.95 is H 1219 Walnut

Net 6.95

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

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

no money down


With 20 watts of power ( 10 each channel), the Stereo 20 offers full, wide-range response for outstanding music reproduction and the modern solid-state design assures you of top pertormance for years to come. Transformerless solid-state complementary symmetry output circuitry ensures extended response and lowest distortion, plas long ilfe for the power transistors. Printed circuit board construcilon ef. fects hiph rellability and permits rugred, compact design.
Operating features include a source switch for selection of taner 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 balance control that lets you adjust individual speaker levels for best stereo effect. Separate Bass and Treble controls let you "tailor" sound to sult your taste! Stereo outputs include provision for main and remote speakers rated from 4 to 16 ohms impedance (although highest power is ootained at 8 ohms), plus a front panel jack for stereo headphone listening. Also features a tape recorder output that lets you record your tavorite stereo music. You'll like the attractive, modern styling too
the satin-gold front panel with handsome walnut grain accent. the all-wood enclosure in rich walnut finish, plus the stylish, non.
 $21 \mathrm{H} 0902 \mathrm{WX} \$ 5$ monthly

Ne: 39.95
Max. Power Output (IMF) 20 watts ( 10 per channel) at 8 chms. Frequency Response: 30 Hz to $40 \mathrm{KHz}_{(-3 \mathrm{db}), ~}^{1}$ watt at 8 ohms. Stereo Inpuls: Phono (ceramic/crystal), tuner. Input Sensitivity: for rated output, 0.1 volt. Stereo Outputs: tape output. Main Speaker Outputs, Remote Speaker Oufputs, Headphones. Controls: Master Bass, Master Treble, Balance, Master Voume, Phono-Tuner Switch, Stereo-Mono Switch, Power On-Off Switch, Remote-Main Speaker Switch. Solid-State Oevices: 10 Trensistors 2 Olodes, 2 Thermistors. Power Supply: AC Transformer operated with full-wave rectification, $105-120$ volts $50 / 60$ cycles


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

SYSTEM COMPONENTS

- Lafayette Stereo 20 Solid-State Amplifier
- Lafayette Model 200 4-Speed Automatic Stereo F.ecord Changer with Oiled Walnut Base and Plastic Oust Cover
- Two Lafayette Minuette II Speaker Systems

A complete stereo high fidelity phonograph system offering high quality music reproduction at an unbelievable low price. The sys tem consists of the following fine Lafayette components: The deluxe solld-state Stereo 20 with 20 watts of power and wide, full-range response. The Lafayette Model 200 four-speed automatic record changer that features a $7^{\prime \prime}, 10^{\prime \prime}$ or $12^{\prime \prime}$ record selector knob 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 preclsion $10^{\circ \prime}$ turntable, balanced feather welght tone arm equipped with a turnover stereo cartridge. plus automatic shut-off after last record. Changer comes complete with deluxe oiled walnut base and attractive plastic dust cover. Two rich-sounding Minuette 112 -way speaker systems, each containing a specially designed $5 \times 7^{\prime \prime}$ woofer and a $2^{1 / 2 \prime \prime}$ (weeter with electrical crossover. Each compact decorator-styled enclosure is of a ducted port bass reflex design, with rich olled walnut finish on all four sides for vertical or horizontal placement. Size $157 / 8^{\circ} \mathrm{H} \times 6^{\circ} \mathrm{W} \times 9^{1 / 8 " D}$. Shpg. Wt., 41 lbs.
$21 \mathrm{H} 9432 \mathrm{WXM} \$ 5$ monthly
Ne: 89.95
Same system as above except with two Criterion 50 two-way bookshelf and/or floor speaker systems. Shipg. wt., 81 Ibs.
$21 \mathrm{H} 9431 \mathrm{WXM} \$ 6.50$ Monthly
Net 117.95

## The Complete System

Model 200


featuring
Lafayette Stereo/10 Solid State Stereo Amplifier Lafayette Model 200 4-Speed Automatic Stereo Record Changer with Oiled Walnut Base and Attractive Plastic Dust Cover
Two Lafayette Minuette\% II Speaker Systems


An Ideal music system for the Hi-Fi beginner or as a second system in the den, bedroom, or office. You get the following fine components: A Lafayette Stereo/ 10 solid state amplifier designed to provide clean, smooth response. Features include sep. arate volume controls for left/right channels and a tone control. The Lafayette Model 200 4-speed automatic record changer plays $162 / 3,331 / 3,45$, and 78 RPM records; includes a $7^{\prime \prime \prime}, 10^{\prime \prime}$, or 12 record selector knob, automatic shut-off, intermix of 7,10 . and $12^{\prime \prime}$ records, and balanced feather weight tone arm with stereo tumover cartridge. Deluxe oiled walnut base and attractive plastic dust cover. Two rich sounding Lafayette Minuette/It 2 -way speaker systems each containing a $5 \times 7^{\prime \prime \prime}$ woofer and $2 \frac{1}{2 \prime \prime}$ tweeter mounted in a beautiful compact genuine oiled walnut wood basereflex bookshelf enclosure. Size $6^{\prime} \mathrm{W} \times 157 / \mathrm{e}^{\prime \prime} \mathrm{H} \times 9^{1 / 8 " D}$. With speaker connecting cable. Shpg. wt., 33 lbs.
21 H 9430 WXM \$5 Monthly
Net 72.95

## LAFAYETTE STEREO/10 SOLID STATE AMPLIFIER

- Left/Right Channel Volume Controls
- Front Panel Phono/Tuner Switch For Selection of Phono or Tuner Input
COMPACT SIZE, BIG PERFORMANCE! Ideal amplifier for HI-FI beginners, or use it in a second system for the living room, den, bedroom or business. Perfect for limited-space installation; bookshelf or end table. For use with record players, AM, FM and FM MPX tuners. Completely transistorized to provide clean, cool operation. Output stages couple directly to the speakers for smooth frequency response and low distortion. Input stages are designed to present a high impedance, resulting in an excellent low frequency response when used with high impedance crystal or ceramic phono cartridges. Front
- Variable Tone Control (Bass/Treble)
- Selector Switch for Monaural or Stereo Operation
panel features: Separate volume controls for Left/Right channels; tone control for Base and Treble; individual slide switches for mode input (1-Stereo/Mono operation), (1-Phono/Tuner input); power On/ Off slide switch. Rear panel features: Right/Left channel inputs for phono and tuner; Right/Left channel taps for 8 -ohm speakers. Beautifully finished in neutral gray and aluminum. Size: $71 / 2^{\prime \prime} \mathrm{W} x$ $21 \% / 10 \mathrm{H} \times 55 /{ }^{\circ}$ "D. For $105-125 \mathrm{~V} 50 / 60$ cycles AC. Imported. Shpg. wt., 4 lbs.
99 H 0161
Net 22.95


## Rich Wall to Wall Sound For Your Listening Pleasure

Complete stereo system above with ehoice of Plckering V15/ACE-3, Empire $808 E$ or Shure M32E stereo cartridge with high compliance ellipitical diamond stylus. The LR-500T gives you tomorrow's technical advantages todayl 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 Madel 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 a 4 -pole shaded "Induction Surge" motor.
2.Lafayette"Criterion 50's" complete the components of a perfectly 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 $50^{\circ}$ clear polarized speaker cable. Shpg, wt., B8 Ibs.
21 H $9409 \mathrm{WXM} \$ 13.50$ Monthly
Net 269.95
Same as above except with Garrard SL55 4 -speed Synchro-Labe Automatic Turntable instead of Garrard Madel 40 MKII . Shpg. wt., 90 lbs. 21 H $9410 \mathrm{WXM} \$ 15$ Monthly

Net 284.95
Same system as 21 H 9409WXM except with 2-Lafayette "Criterlon 150", com-
pletely sealed and damped acoustic suspension speaker systems instead of "Criterion 50 "* speaker systems. Shpg. wt., 66 lbs.
21 H 9411 WXM $\$ 17$ Monthly
Net 305.95
You Save 58.25 rram individual catalog prices!
Synchro-Lab
Same system as 21 H 411 WXM except with Garrard SL55 4-Speed Synchro-Lab
Automatic turntable instead of Garrard Model 40 MKII . Shpg, wt., 68 lbs .
Automatic turntable instead of Garrard Model 40MKII. Shpg, wt., 68 Ibs.
21 H 9412 WXM
$\$ 17$ Monthly
Same system as 21 H 9409WXM except with 2-Lafayette "Criterion 200A" 3 speaker, 3 -way speaker systems (olled walnut) instead of "Criterion 50 " speaker systems. Shos. wt., 102 ibs . 21 H 9413 WXM \$19 Monthly

Net 341.95
You save 62.25 from individual catalog prices!
Synchro-Lab
Same system as 21 H 9413 WXM except with Garrard SL55 4 -speed Synchro
Automatic Turntable instead of Garrard Madel 40 MKII. Shpg. wt., 105 lbs.
Automatic Turntable instead of Garrard Madel 40MKII. Shpg. Wt. 105 lbs.
21 H 9414 WXM
$\$ 19$ Monthly
ALTERNATE SPEAKER SYSTEMS
ALTERNATE SPEAKER SYSTEMS
"Criterion 150"
"Criterion 200A"


COMPLETE SYSTEM
NO MONEY DOWN

| ${ }^{*}$ Choice of Elliptical Cartridge |  |  |
| :---: | :---: | :---: |
|  |  |  |
|  |  |  |
|  |  |  |
| Pickering |  |  |
| V15/ACE-3 |  |  |

- Lofayeitre Model LR-500T 60 Wall Salid State AM/FM Stereo Receiver
- Garrard Model 40 MKII 4 . Speed Autamatic Record Changer
- Pickering V-15/ACE-3 Stereo Cortridge with High Compliance Elliptical Diamond Stylus
- Garrard Base for Autamatic Record Chonger (Walnut ond Ebony Color with Silver Trim)
- Garrard Molded Plastic Dusi Caver For Changer
- 2-Famous Lafayelte "Criterion $50^{\circ \prime}$ Wide-Range 2.Way Bookshelf ond/or Floor Speaker Systems (Oiled Walnut)


# Effect Transistors 



# Magnificently Matched 

STEREO HI-FI SYSTEMS

# featuring SUPERB 150 WATT SOLID STATE STEREO RECEIVER Model LR-1500T 

## WITH <br> REVOLUTIONARY NEW <br> and Field Effect Transistors

- Lafoyette Model LR-1500T Deluxe 150 Watt Solid State AM/FM Stereo Receiver
- Gorrard Model SL65 4-Speed Synchro-Lab ${ }^{*}$ Automatic Turntable with

Dynamically Balanced Tone Arm ..... 79.50- Pickering V-15/ACE-3 Stereo Cartridge with High Compliance Ellipti-
cal Diamond Stylus ..... 29.95- Garrard Base for Automatic Tumlable (Walnut and Ebony Color with
Silver Trim) ..... 4.95

- Gorrard Malded Plastic Dust Caver for Tumtable ..... 4.95
- 2-Lofoyette Deluxe "Criterion 2004" High Power 3-Speaker 3-Woy Speaker System (Oiled Wolnut) ..... 139.90

Above system with * choice of Pickering V.15/ ACE-3, Emplre 808E or Shure M32E stereo cartridge with high compliance elliptical diamond stylus. System includes Lafayette's superb 150 -watt stereo receiver which is de. signed to fulfill the highest demands for outstanding quality, superb performance, and maximum audlo enloyment. Its advanced IC's (Integrated Circuits), plus FET's (Field Effect Transistors) in the FM front end section permit you to hear more stations than ever before with stunning clarity! In addition, the visual design of front panel and case make the LR1500 T a thing of beauty for years to come!
Garrard Model SL65 4-speed Synchro-Lab automatic turntable features a new Synchro-Lab motor for smooth, synchronous speed with minimum rumble and resonance. "Criterion

200A" 3-speaker 3-way system combines a highly efficient 12 " woofer plus a superb $8^{\prime \prime}$ midrange speaker, a back-loaded $3^{\prime \prime}$ metallic dome-type "Super" tweeter and presence and brilliance controls for extraordinary performance. Beautifully finished in hand-rubbed oiled walnut. Complete with 50 ft . clear polarized speaker cable. Shpg. wt., 121 lbs. 21 H 9401 WXM $\$ 23$ Monthly ......... Net 459.95

Same 150 watt Super-Deluxe solid state stereo system as above except with 2 -famous Lałayette "Criterion $3 x^{\text {" }}$ deluxe 3 -way completely sealed and damped acoustic suspen sion speaker systems instead of 2 ""Criterion 200A" speaker systems. Shpg. Wt., 115 lbs. 21 H 9403WXM $\$ 24$ Monthly ......... Net 495.95 SAVE 83.25 from individual catalog prices!



## Complete Solid State Amplifier Systems

High quolity components combined with our dependable

## 30 Watt Model LA-224T Amplifier

Complete 30 watt stereo system above with choice of Pickering V-15/AC-3, Shure M44-7 ar Empire 888 diamond needle stereo cartridge. The Lafayette L-224T 30 watt stereo amplifier offers 30 watts of strikingly pure sound reproduction, and sufficient power to drive virtually any speaker system. All required controls are included for full sterso capability. Attractive sllm styling and an extruded brushed aluminum, gold anodized front panel with complementary metal case permit the LA-224T to grace any decor. Garrard 40 MKII 4 -speed automatic turntable features oversized turntajle; cast aluminum, counter balanced tonearm; intermix automatic operation; 4-pole shaded "Induction Surge" motor, super-sensitive trip with Dupont Delrino. Can be played manual or automatic. Lafayette "Criterion 20A", ultra-compact 2-way, 2 -speaker system. Provides quality sound reproduction through the use of a powerful $5^{\text {n }}$ woofer equipped with a large magnet structure and volce coil, plus a back loaded mid-range/high frequency speaker. Includes an L/C crossover network. Enclosure is beautifully finished in oiled walnut. Complete with 50 ft . clear polarized speaker cable. Shpg. wt., 42 los .
21 H 9403WXM $\$ 8$ Monthly
Net 159.95
Same system as above except with 2 Lafayette "Criterion 50 " 2 -speaker 2 -way ducted port bookshelf and/or floor speaker systems (olied walnut) instead of "Crterion 20A's". Shpg. wt., 82 lbs.
21 H 9404WXM $\$ 9$ Monthly
Net 173.95
You Save 25.25 from individual catalog prices!
Same system as 21 H 9403WXM except with $2 .{ }^{\circ}$ "Criterion $75^{\prime \prime}$ 2.way acoustic suspension sealed and damped speaker systems instead of $2 .{ }^{\text {" }}$ Criterion 20A" speaker systems. Shpg. wt., 60 lbs .
21 H 9405 WXM \$10 Monthiy
Net 187.95
You Save 27.25 from Individual catalog prices!

## ALTERNATE SPEAKER SYSTEMS



"Critorion 75"

## For Complete Description of Above Components See Pages 2-14, 81-86 and 106-108

## SYSTEM PRICE ONLY 15995 NO MONEY DOWN

| CHOICE DF STEREO CARTRIDGE |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
|  |  |  |  |

- Lafayelte Madel LA.224T 30 Wall Solid State Stereo Amplifier
- Garrard Madel 40.MK II 4. Speed Autamatic Record Changer
- Piekering V-15/AC-3 Diamand Needle Sierea Cartridge with Stytus Brush
- Garrard Base for Recard Changer (Walnut and Ebony Color with Silver Trim)
- Garrard Malded Plastic Dust Cover for Changer
- 2 Lafayelte "Criterion 20A" 2-Way Ducted Port Shelf Speaker Systems (oiled walnul)


85 Watt Stereo Systems with LA-85T SOLID STATE STEREO AMPLIFIER
Complete 85 .watt stereo phono system abcve with choice of Pickering V-15/ ACE.3, Empire 808E, or Shure M32E slereo cartridge with high compliance elliptical diamond needle. The Lafayette LA-85T features 85 watts of fullImpact power. Advanced solld state circuitry offers thrilling full-range stereo realism, extra rellability, and low current consumption. Full complement of front panel controls, plus stereo inputs are provided to handle every conceivable music source. Garrard Model 40 M4II 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 tumtables such as: Automatic Intermix, centrols for Auto/Manual play, counterweighted tone arm, and a 4-pole shaded, "Induction Surge" motor. 2-Lafayette "Criterion $50^{\prime \prime}$ "' 2 -way bookshelf type speaker systems featuring an 8 " woofer and a $4^{\prime \prime}$ tweeter to give you excellent Hi-Fi sound reproduction. Bassreflex designed enclosure 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 rellability. Complete with $50^{\prime}$ clear polarized speaker cable. Shpg. wt., 88 lbs.
21 H 9418WXM $\$ 11$ Monthly
Net 214.95
Same system as above with Garrard SL55 4.speed Synchro-Labo automatic turntable instead of Model 40 MKII . Shpg. wt. 90 Ibs.
21 H 9420 WXM \$11.50 Monthly
Net 229.95
Same system as above except with 2-Lalayette "Criterion 100A" deluxe 2. speaker 2-way speaker systems with ducted port and beautiful walnut finish on 4 sides instead of $2 \cdot$ "Criterion $50^{\prime \prime}$. Shpg. wt., 92 Ibs. 21 H 9419WXM $\$ 12.50$ Monthly

Net 241.95 You save 32.25 from catalog individual prices!
Same as 21.9419 WXM except with Garrard SL55 4-speed Synchro-Lab automatic turntable instead of Model 40 MKII . Shpg. Wt 94 lbs .
$21 \mathrm{H} 9421 \mathrm{WXM} \$ 12.50$ Monthly
Net 256.95
Same system as 21.9418 WXM except with 2 -famous Lafayette "Criterion 200A" 3 -speaker 3 -way ducted port speaker systems (oiled walnut finish) with bril-
 21 H 9422 WXM $\$ 15$ Monthly

Net 286.95 You save 37.25 from catalog individual prices!
Same system as 21-9422WXM with Garrard SL55 4-speed Synchro-Lab automatic turntable instead of Model 40MKII. Shpg. wt., 104 lbs. 21 H 9423 WXM $\$ 17$ Monthly

Net 301.95
"Criterion 100A"
ALTERNATE SPEAKER SYSTEMS
"Criterion 200A"



SAVE $29^{25}$
From Individual Catalog Prices

## COMPLETE SYSTEM

ONLY

## $214^{95}$

NO MONEY DOWN

| * Choice of Elliptical Cartridge |  |  |
| :---: | :---: | :---: |
| Pickering V15/ACE. 3 |  |  |

- Lafayelte Model LA-85T 85 Watt Solid Stote Stereo Amplifier
- Gorrard Model 40 MKII 4 Speed Automotic Record Changer
- Pickering V.15/ACE. 3 Stereo Cortridge with High Compliance Elliptical Diamond Siylus
- Garrard Bose for Automatic Changer (Walnul and Ebany Cotor with Silver Trim)
- Gorrard Molded Plastic Dusi Caver for Changer
- 2-Lafayelte Famous "Criterion 50" Wide-Range 2.Way Bookshelf and/or Floor Speaker Systems (Oiled Walnut)


# New Stereophonic Solid State Receivers Featuring Microcircuitry 



## NEW! Model 200-T 70 WATT FM STEREO RECEIVER with MICROCIRCUITRY

- Integrated Circuits (IC's)
- Field Effect Transistors (FET's)
- Muting
- Tape Monitoring
- Exclusive Stereo Beacon
- Transist-O-Gardim Overload Protection Circuit -

New! Model 200-T FM Stereo Receiver with microcircuitry, 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 brilliant per. formance and magnificent stereo hi -fil sound. The super-sensitive FM stereo tuner section features FET front end circuitry plus advanced space-age IC's to perform If ampli. fication and limiting functions. These IC's are comparable to four IF stages, two Ilm Iters and a wide-band discriminator. A sep. arate IC is employed for muting. Stereo amplifier section has all vital controls Volume, Balance, Bass and Treble, plus loud. ness contour, Muting. Monitor, and Mode
switches. Has inputs and controls for all music sources; 4 -position speaker selector switch; signal strength tuning meter; and stereo indication light. Gold plated front panef features pale copper and gold inserts. Specifications - Tuner Section. Sensitivity (IHF): $2.0 \mu \mathrm{vi}$ 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. $151 / 5 \mathrm{~W} \times 41 \mathrm{~K}_{6} H \times 111 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 22 los. 21 M 3318wx \$12.50 Monthly ... Net 254.96 Custom Olied Walnut wood Cabinet For 200-T 21 H 3641w Shpg. wt., 6 lbs. .... Net 22.46


$$
\stackrel{\text { Only }}{ }_{382_{\text {less case }}^{46}}
$$

No Money Down

MUSIC POWER - IHF
90 WATTS@4 OHMS

## NEW! Model 550-T 90 WATT AM/FM STEREO RECEIVER with MICROCIRCUITRY

- Integrated Circuits (IC's)
- Field Effect Transistors (FET's)
- Six-Position Program Selector
- Five-Position Mode/TapeMonitor Selector
- Exclusive Stereo Beacon
- Transist-O-GardrM Overload Protection Circuit

Exciting, all-new Fisher 550-T 90 -watt AM/ FM stereo receiver. Provides complete ver. satility and flexibility for the fullest enjoyment of stereo high fidelity sound. Features Integrated Circuits and Field Effect Tran. sistors in the FM tuner section. IC's perform the important functions of if ampilification and limiting; FET tuner front end has supert signal pulling power. An IC also is stllized for muting. An AM tuner section with greatly improved sensitivity and selectivity is an added convenience feature. Fullest compll. ment of front panel controls: Volume/on-off, dual bass and treble, balance controls; easy action rocker switches for loudness contour, muting, high and low filters. Has 4-way
speaker selector control, Illuminated tuning meter, front panel stereo headphone lack, and stereo indicator IIght. Elegant goldplated front panel with inlaid walnut tex. tured upper insert. Specifications - Tuner Section. Sensitivity ( HFF ): $1.8 \mu \mathrm{v}$; Capture ratio: 2.0 db ; FM Stereo Separation: better than 35 db . Amplifier Section. Music Power (IHF): 90 watts @ 4 ohms; Frequency Response: $10-50.000 \mathrm{~Hz} \pm 2 \mathrm{db}$; Harmonic Distortion @ $1 \mathrm{kHz}: 0.8 \%$; Power Bandwidth: $20-24,000 \mathrm{~Hz}, 163 / 4 \mathrm{~W} \times 51 / 4 \mathrm{H} \times 123 / 4$ " O . Shpg. wt., 29 lbs.
21 H $3319 w x$. $\$ 19$ Monthly ...... Net 382.46 Custom Oiled Walnut Wood Cabinet for $550 . \mathrm{T}$ 21 H 3642w Shpg. wt., 8 lbs. ...... Net 22.46

## Dnly <br> $280^{08}$ <br> Less enclosure

No Money Down

- "Neo-Synchrode" Front-End with FET
- Guard-O-Matic Overload Protection Circuit
- Stereo Beacon Indicates Stereo Stations



## Model 220-T 55 WATT SOLID STATE AM/FM STEREO RECEIVER

An outstanding receiver combining superb AM and FM/FM stereo reception facilities, and a powerful 55 -watt (IHF) stereo amplifier in a beautifully integrated compact chassis. Features solid state circuitry with famous fisher design. The highly sensitive and selec. tive tuner section featuring the exclusive Neo-Synchrode front-end with FET, also employs 4 IF stages. 3 limiters, and a wide-band ratio detector. The .time-division multiplex section features the exclusive Fisher Stereo Beacon which automatically switches the set to stereo or mono operation in response to the type of signal being
received, 24-carat gold plated front panel. 4-position setector switch (Phono, FM Auto, AM, Aux.), Muting switch for elimination of interstation FM noise. Specifications: Music Power (IHF): 55 watts @ 4 ohms, 40 watts @ 8 ohms; Power Bandwidth (IHF): 28.30.000 cps; Usable Sensitivity (IHF): $2.5 \mu v$; Harmonic Oistortion: 0.5\%. Dimensions: $151 / 6^{W} \mathrm{Kx}^{1} \mathrm{~K}_{6} \mathrm{Hx} 11^{\prime \prime} \mathrm{D}$. Shpg. wi., $171 / 2$ lbs. 21 H 3300wx $\$ 15$ monthly

Net 280.08
Walnut wood cabinet for Model 220-T. Shpg. wt., 6 lbs. 21 H 3641 w

Only

## $339^{58}$

Less enclosure No Money Down

- Super Synchrode Front-end with 3 Silicon Field Effect Transistors (F.E.T.)
- Fisher Stereo Beacon Indicates Stereo Broadcasts
- Direct tape Monitoring Facilities


## Model 500-T 90 WATT SOLID STATE FM STEREO RECEIVER

Widely acclaimed FM Stereo Receiver, elegant in appeara $7 c$, and reliable in performance. Features the Super Synchrode fiont end with 3 field effect transistors and the exclusive Guard-O.Matic circuit which completely ellminates any possibllity of transistor damage due to. short circuits. Tuner section has in addifien to the Super Synchrode front end. 4 IF stages. 3 limiters, and a wideband ratio detector. This circult provides extreme sensit vity and selectlvity as well as a high degree of overload capacity to pull in the weakest FM signals even under adverse conditions. The timedivision multiplex section has the exclusive Stereo Beacon which automatically switches the set to stereo or mono operation in
response to the tvpe of signal being received. Provision for tape monitoring without changing cable connections. 5 position Program Selector (Tape Head. Phono. FM Auto. FM Mono. Aux.) Specifica. tions: Music Power (IHF): 90 walts @ 4 ohms. 70 watts @ 8 ohms; Power Bandwidth (IHF): 22-30,000 cps; Usable sensitivity (IHF) 1.8 $\mu v$; Harmonic Distortion less than $0.5 \%$. $163 / 4 W \times 51 / 8 \mathrm{Hx} 123 / 40$. Shpg. wt. 26 lbs.
21 H 3303wx $\$ 17$ monthly
Net 339.58
Custom Diled Walnut Wood Cabinet for 500 -T. Shpg. wt., 8 Ibs. 21 H 3642W

Net 22.46

## Only <br> $424^{58}$

Less enclosure No Money Down

- Super Synchrode Front-End with Field Effect Transistors featuring 2 RF Stages, 6 Tuned Circuits
- Exclusive Stereo Beacon-Direct Tape Monitor



## Model 700-T 120 WATT SOLID STATE FM STEREO RECEIVER

A truly superb performing unit. includes all the exclusive features of the 500T Stereo Receiver and in addition boasts a power hacrease of approximately $30 \%$ over the 500 T . 120 watts (IHF) @ 4 ohms, and 100 watts @ 8 ohms. This additional power helps to bring out even further the capabilities of the extremely sensitive and selective tuner section which includes the Super Synchrode FET front-end utilizing 2 RF stages, and 6 tuned circults. The time-division multiplex section includes the exclusive Fisher 4 Olode Coincidence Circuit and the Stereo Beacon which automatically switches the set to stereo or mono operation in response to the type of signal being
recelved. 24 -carat gold plated front panel with contrasting walnut grained and anodized panel'inserts. Features 3 position speaker selector (Main. Remote. Main \& Remote). Specifications; Music Power (IHF): 120 watts @ 4 ohms. 90 watts @ 8 ohms; Power Bandwidth (IHF): 20-24.000 cDs; Usable sensitivity (IHF): $1.8 \mu \mathrm{~V}$; Har-
 26 lbs.
21 H 3649wx $\$ 22$ Monthly
Net 424.50
Custom Diled Walnut wood cabinet for 700 T . Shpg. wt., \& lbs. 21 H 3642 W

## Fisher

## Perfectly Matched Money Saving

55 WATT FM STEREO MUSIC SYSTEM featuring the NEW FISHER 200-T


NEW! FISHER 200-T


YOU SAVE 63.91
From Individual Catalog Prices
No Money Down
Our lowest price for a dazzling Fisher hl-filereo music system, You save 63.91 from individual component catalog prices. This quallty system consists of the new Fisher 200-T $55-$ watt FM stereo recelver with space age microclrcuitry (less case), Garrard Model 40 4-speed automatic turntable with Garrard base. choice of elliptical cartridge: Pickering Vi5/ACE-3, Empire 808E, or Shure M32E, and 2-Lafayette "Criterion 20A" speaker systems. All connecting cables are included. Shipg. wt., 70 los.
21 H 3324WXM $\$ 17$ Monthly
Net 314.95

## $314^{95}$

## SYSTEM



## 90 WATT AM/FM STEREO MUSIC SYSTEM featuring THE NEW FISHER 550-T



COMPLETE SYSTEM
$489^{95}$

## YOU SAVE 75.79

From Individual Catalog Prices
No Money Down
Supert stereo reproduction plus big savings of 75.79 on this superb performing stereo hi-fi music system leaturing the new Fisher 550-T 90 -watt AM/FM stereo receiver (less case), Deluxe system also Includes the new Garrard Modet SL55 4-speed Synchro-Labe automatic turntable with synchronous motor, base, and choice of stereo elliptical cartridge; Pickering V15/ACE-3, Empire 808E, or Shure M32E, plus 2-tafayette "Criterlon 100A" 2-speaker, 2 -way systems (see page 82 for complete description of the "Criterion 100A" speakers). Includes all connecting cable. Shpg. wt., 104 lbs.
21 H 3325WXM \$24 Monthly
Net 489.95

120 WATT AM/FM STEREO MUSIC SYSTEM


## COMPLETE SYSTEM

$5>95$
YOU SAVE 108.95
From Individual Catalog Prices

## No Money Down

Tremendous savings of 108.95. Specially selected for the audio connoiseur; each component is one of the manufacturer's finest. Consists of Fisher's most powerful FM stereo receiver, the 120 watt Model 700-T (less case), Garrard's deluxe new Model SL65 4 -speed Synchro-Lab automatic turntable with base, choice of deluxe elliptical cartridge; Pickering Vi5-ATE-3, Emplre 888 E , or Shure M44E, and 2 -superb performing Lafayette "Criterion 200A" 3 -speaker, 3 -way systems (see page 83 for description of "Criterlon 200A's). With connecting cables. Shpg. wt., 112 lbs . 21 H 3326WXM $\$ 29$ Monthly ..................................... Net 579.95

## Stereo Hi-Fi Music Systems

55 WATT AM/FM STEREO MUSIC SYSTEM featuring The FISHER 220-T STEREO RECEIVER

## COMPLETE SYSTEM

$349^{95}$

## YOU SAVE 69.45

From Individual Catalog Prices

No Money Down
Money saving system that lets you enjoy the thrill of beautiful stereo music reproduction! Consists of the Fisher 220-7 solid state 55 watt AM/FM stereo receiver (less case), Galrard 40MKII 4 -speed automatic turntable with Garrard base, choice of elliptical stereo cartridge: Pickering V15/ACE3, Empire 808E, or Shure M32E, and 2-Lafayette "Criterion 50" 2-way book shelf speaker systems (see page 81 for complete description of 'Criterion 50's'"). Includes connecting cables. Shpg. wt., 86 lbs. 21 H 3322 WXM $\$ 19$ Monthly ...................................... Net 349.95

2*"Criterion $50^{\prime \prime}$ Spzaker Systems


Fisher 220-T


90 WATT FM STEREO MUSIC SYSTEN featuring THE FISHER 500T FM STEREO RECEIVER


No Money Down
Save 83.93 on this magnificent stereo system featuring the widely acclalmed fisher $500-\mathrm{T} 90$ watt FM stereo receiver (less case), new Garrard Model SL55-4-speed Synchro-Labe autematic turntable with Garrard base, choice of elliptical stereo cartridge: Pickering V15/ACE-3, Empire 808E, or Shure M32E, a 1 d 2 . Lafayette "Criterion 150" 10" 2 -way Acoustic Suspension speaker systems (see page 84 for complete description of "Crilerion $150^{\prime \prime}$ ). All connecting cables included. Shpg. wt., 96 lbs. 21 H 3323WXM \$23 Monthly

Net 449.95

New Garrard SL55


Fisher 500-T



FAMOUS K-10 "SPACEXPANJER" ELECTRONIC REVERBERATION SYSTEM
add a new dramatic sound to your listening pleasure with one simple control.

Add concert hall reallsm to your listening area. Suppties the reverberation normally heard in an acoustically perfect concert hall Samples sound output from ampllifer, and relnjacts the samfe sound after a short time delay thus adding the reverbe. ration effect. May be used with any mono or stereo horre music system using separate pre-amplifiers of tape monitoring facill. ties. Connects to any signal from 0.2 to 5.0 volts. Simple to operate and easy to install. Tubes: 2-12AX7, 1.7247 plus a selenium rectifier, Size: 9\%aLxlrowx67/8"H. Shor. wt.. 8 lbs. 21 H $3650 \$ 5$ monthly


${ }^{\text {onf }} 297^{46}$
No Money Down Less Case

- 3-Position Pushbutton Speaker Selector

NEW! MODEL TX. 10065 WATT STEREO CONTROL AMPLIFIER

om $161^{07}$ Less Enclosure No Money Down
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 Ho., 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-HO @ 4 ohms $0.5 \%$; Frequency Response: ( IHF ) $10 \cdot 20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$; Size: $151 / W^{W} \times 4^{1} \%_{0} H \times 12^{1 K_{0}}{ }^{\prime D}$. Shpg. wt., 21 lbs. 21 H321Wx $\$ 9$ Monthly ........ Net 161.07

Oll Wainut Wood Cabinet for TX-100 21H3641W Wt., 6 lbs.

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


## ${ }^{\text {only }} 297^{08}$

Deluxe, high quality, 5 -band tuner offering a broad coverage of world-wide entertainment 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: Medium Wave $0.51-1.63 \mathrm{Mc}$, Long Wave $0.15-0.35 \mathrm{MC}$; Shortwave 7.0-16.5 Mc, Shortwave ( 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, illuminated d'Arsonval tunling meter AM ferrite antenna for MW and SW. 151/6W×4130Hx117/8"D. Shpg. wt., $183 / 4$ lbs. 21 H 3307Wx $\$ 15$ Monthly ........ Net 297.08 Custom Oiled Wainut Cabinet for R-2008. 21 H3641W Wi., 6 lbs. Net 22.46

## Easy to Build Hi-Fi Kits by Fisher



KX-100 50.WATT STEREO MASTER AUOIO CONTROL AMPLIFIER KIT. Features unique Stratakit assembly designed to eliminate possiblity of error. Uses 4 newly designed 7868 power output tubes. Fourteen front panel controls including sharp cutoff high frequency filter, tape monitor, loudness contour switch, tape and phono equalization. distortion: Harmonic $0.5 \%$; IM $1.0 \%$; Fre quency response: $20-20,000 \mathrm{cps}$; Hum and noise level - 80 db; Stereo separation: 50 $d \mathrm{~b}$. Facilities for direct connection of center channel speaker, front panel headphone jack. 10 tubes, 2 silicon diodes. Dimen sions: 151/3Wx4'Ko Hx117/9"O. Shpg. wt., 24 Ibs.Less Cabinet.
21 H 3627 Wx $\$ 6.50$ monthly ...... Net 116.55 Olled Walnut Cabinet for $\mathrm{kX}-100$. Wt. 6 lbs 21 H 3610W

KX-90 40 WATT STEREO CONTROL AMPLIFIER KIT. Superb audio quality and ease of operation! Front panel controls include: Input Selector; Mode Selector; Left/Right Bass; Left/Right Treble; Balance; Volume (including AC off). 'Switches: Tape Monitor; Speakers; High Filter; Loudness Contour. Specifl. cations: IHFM power output; 40 watts; IM distortion: less than $.8 \%$; Frequency response: $20-20,000 \mathrm{cps} \pm 1.5 \mathrm{db}$ : Hum and noise: - 50 db ; Bass variation: 15 db at 50 cps; Treble variation 16 db at 10 KC . Front panel headphone jack. For 105-120 VAC. $50 / 60$ cycles. 115 watts. Dimensions: $151 / 9 W \times 41 K_{0} H \times 117 / 6^{17}$. Shog., wt. 29 lbs. Less Cabinet
21 H $3685 \mathrm{WX} \$ 5$ monthly
.. Net 89.55
Oiled Walnut Wood Cabinet for $\mathrm{KX}-90$
21 H 3641w Shpg. wt., 6 lbs. .... Net 22.46


KM-60 FM STEREO TUNER KIT. With its wide band design and 1.8 microvalt IHF sensitivity this high quality stereo multiplex tuner delivers superb reception, even in fringe areas. Kit features pre-aligned frontend and multiplex sections, Stereo Beam multiplex Indicator, d'Arsonval meter for center-ot-channel funing, 4 if stages, 2 limiters, individual level control for each channel. Specifications: Sensitivity: .6 Mv at 20 db quieting; signal-to-noise ratio: 70 db ( $100 \%$ modulation); Frequency response: $\pm 1 \mathrm{db} 20-15,000$ cos. 11 tubes, 12 diodes. Complete with illustrated manual
 18 lbs, Less cabinet.
$21 \mathrm{H} 3624 \mathrm{Wx} \$ 8$ monithly 4 Net 143.55 Oiled Walnut Woot Cabinet les KM. 60. Wt. 6 lbs.
Wt. 6 lbs
21 H 3610 W
Buy Nowl Pay Later
$\qquad$
$\qquad$
$\qquad$


\author{
 <br>  <br>  <br>  <br>  <br>  <br>  <br> New! 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; fow 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 @ <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br> [^1] <br> ^[

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## Solid State FM Stereo Receivers



## NEW! MODEL 342B 65-WATT SOLID STATE FM STEREO RECEIVER

- Field Effect Transistor (FET) Front End
- Direct Coupled Silicon Output
- Stereo Indicator Light

New, Improved version of the best selling series of 342 FM Stereo Receivers now with Integrated Circults (IC's), main/remote speaker switching, nolse fitter, and a new decorator vinyl dial face. Integrated Circuits plus FET front end in the tuner section provides increased selectivity, and virtually ellminates interference from nearby stations or other noise sources. Through the use of direct coupled silicon outputs the amplifler section delivers 65 watts (IHF) of clean natural sound. Also features: Scott's patented time switching multiplex circuit which automaticalty switches the luner to stereo operation; precision signal strength tuning meter; and stereo indicator light. All new decorator styled ebony color vinyl dial face shows dial calibrations and markings only when the unit power

- Integrated Circuit (IC) IF Strip
- Precision Signal Strength Meter
- Front Panel Headphone Jack
switch is "on." Controls inciude tape monitor; stereo balance, bass, treble, and volume; dual speaker switches to select main-remote-or both sets of speakers, or allow all speakers to be turned off for headphone listening. Front panel stereo headphone output. Specifications: Sensitivity, $2.0 \mu \mathrm{~V}$; Selectivity, 42 db ; Capture Ratio, 2.5 db ; Cross Modulation Rejection, 80 db ; Stereo Separation, 40 db ; Power Bandwidth, $25-20,000 \mathrm{~Hz}$; Frequency Response, $18-25,000 \mathrm{~Hz}$. Size: $43 / 8$ "H $\times 15^{\prime} W \times 13^{\prime \prime} \mathrm{D}$. For 117 VAC 60 cps . Shpg. Wt. 25 fbs.
21 h 5421 wx $\$ 12.50$ Monthly
Net 255.00
Oiled Walnut Wood Cabinet for 342B. Shpg. wt.. 6 Ibs.
21 H 6024W
Net 22.50



## NEW! MODEL 344C 90 WATT SOLID STATE FM STEREO RECEIVER

3.395

- Music Power: 90 Watts @ 4 Ohms

No Money Down
High quality FM stereo receiver with exclusive Scott sliver plated, Field Effect Transistor front-end for maximum sensltivity with minImum interference, Features Integrated Circuit (IC) IF strip, and a new ebony color decorator styled face plate that conceals the dial scale markings until the power is switched on. Uvnaural muting control, complete tape monitoring facillties. Specifications: Sensitivlty, $1.7 \mu \mathrm{v}_{\text {; }}$ Frequency Response. $18-25,000 \mathrm{~Hz} \pm 1.0 \mathrm{db}$. Size: $51 / 2 \mathrm{x}$ $171 / 2 \times 137 / \mathrm{e}^{\circ \prime} \mathrm{D}$, For 117 VAC 60 cps . Shpg. wt. 25 lbs . 21 H 5422WX $\$ 17$ Monthly Olled Walnut Wood Cabinet for 344C. Shpg. wt., 8 lbs. 21 H 6063W

Net 339.95
Net 26.95


## NEW! MODEL 348B 120 WATT SOLID STATE FMI STEREO RECEIVER

# w ScotTv Solid State AM/FM Stereo Receivers 



## NEW MODEL 38490 WATT SOLID STATE AM/FM STEREO RECEIVER

- Field Effect Transistor (FET) Front End
- Complete Tape Monitoring Facilities
- Professional Signal Strength Meter

Expertly engineered stereo receiver combines a superb AM/FM tuner with a powerful 90 watt solid state amplifier on one handsome chassis. Features Field Effect Transistor (FET) silver plated front end for outstanding FM sensitivity, and integrated circuit (IC) IF strip with built-In noise limiter for extra sharp selectivity. The superb AM section boasts Scott's patented wideband automatic variable bandwidth AM tuner for outstanding AM reception with a minimum of interference. Professional signal strength meter and stereo indicator light assure precise, accurate tuning. Has complete tape monitoring facilities, front panel headphone jack, and front panel Mike/Guitar inputs in addition to a full array of controls. Handy computer type pushbutton switches include loudness compensation, mode, and tape monitor switches, muting, noise

- Integrated Circuit (IC) IF Strip
- Dynaural Interstation Muting
- Wideband Automatic Variable Bandwidth AM Tuner
filter, and oual speaker switches for main, remote, or both operation. Also has 7 position stereo selector, balance, and separate bass and treble for each channel. Large, easy to read, Illuminated slide rule tuning dial and handsome new "blackout" styling pre. sent a clean, modernistic appearance whether the unit is off or on. Specifications: Usable FM Sensitivity: $1.7 \mu \mathrm{~V}$. Selectivity: 46 ob . Capture Ratio: 2.2 db . Cross Modulation Rejection: 90 db . Power: 90 Watts @ 4 ohms. Frequency Response: $15 \cdot 30.000 \mathrm{~Hz}$ Harmonic Distortion: $0.8 \%$. Dimensions: $54 / 2 H \times 171 / 2 W \times 16^{\circ 1} \mathrm{D}$. For 117 VAC, 60 cDs. Shpg. Wt., 26 lbs. 21 H 5424WX $\$ 19.00$ Monthiy Net 369.95 Olled Walnut Cabinet for Model 384. Shpg. Wt., 8 lbs. 21 H 6063WX

Net 26.95


NEW MODEL 382B 65 WATT SOLID STATE AM/FM STEREO RECEIVER
$28500^{\circ}$. Music Power: 65 Watts @ 4 ohms
Less Enclosure
No Money Down

- Stereo Indicator Light
- Front Panel Headphone Jack

Scott's lowest priced, quality AM/FM Stereo Recelver. Features patented automatic variable bandwidth AM tuner and Field Effect Transistor (FET) FM front end with built-in noise filter to virtually eliminate interference from strong nearby stations or other noise sources. Direct coupled silican outputs eliminate 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, and fuil tape monitoring facilities. Usable Sensittvity: $2.0 \mu \mathrm{v}$. Signal to Noise Ratio: 60 db . Frequency Response: $18-25,000 \mathrm{~Hz}$. Harmonic Distortion: $0.8 \%$. $43 / 4 \mathrm{H} \times 15 \mathrm{~W} \times 15{ }^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{cps}$.
21 H 5425wx Shpg. Wt. 19 lbs...... $\$ 15.00$ Monthly...... Net 285.00
olied Walnut Wood Cabinet for Model 3828.
21 H 6024W.......Shpg. Wt. 6 lbs......... $\$ 15.00$ Monthly ........Net 22.50

## NEW MODEL 388B 120 WATT SOLID STATE AM/FM STEREO RECEIVER

$454{ }^{95}$

- Three Field Effect Transistor Front End - Integrated Circuit (IF) Strip
- Computer Type Pushbutton

Less Enclosure No Money Down Switches

- Complete Tape Monitoring

Facilities
Powerful new AM/FM stereo recelver consists of a magnificently performing 120 watt IHF @ 4 ohms stereo amplifier, and a super sensitive AM/FM stereo tuner with exclusive silver plated 3 FET front end and patented wideband AM tuner on one compact chassis. Includes many professional features including Dynaural muting control, professional signal strength meter, and patented time switching multiplex. with stereo indicator light. Has every control for complete operating convenience-Features Dual Speaker Switch. ing. Usabie Sensitivity: $1.5 \mu \mathrm{~V}$. Signal-to-nolse ratio: 65 db . Freq. Response: $15 \cdot 30,000 \mathrm{~Hz}$. Har. Dist. $0.8 \%$. $51 / 2 \mathrm{H} \times 171 / 2 \mathrm{~W} \times 15 \% / \mathrm{a}^{\circ \mathrm{D}} \mathrm{D}$. For 117 VAC 60 cps .
21 H 5426 Wr ..... Shpg. Wt. 26 lbs . ... $\$ 23.00$ Monthly ...... Net 454.95 oiled Walnut Cabinet for Model 388B............Shpg. Wt. 8 lbs 21 H6063W

# Deluxe Stereo Hi-Fi Music Systems fEATURING SCOTT, GARRARD AND LAFAYETTE COMPONENTS 




Complete
Scott 344C FM Stereo Recelver
System

## $439{ }^{95}$

YOU SAVE 83.28
From Individual Calalog Prices
An outstanding system featuring magnificent components, thrilling stereo realism, and tremendous savings of 83.28. Deluxe system consists of new Scolt 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. Emplre 808E, or Shure M32E; and 2 láfayette Criterion 100A speaker systems (see page 82 for complete description of the Criterion 100 's). All connecting cables are included.
21 H 5438 WrM Shpg. wt., $100 \mathrm{lbs} \$ 22$ monthly
Ne! 439.95

Hi-Fi Systems Are Available on Easy Pay Plan-No Money Down
Spectacular performance and savings when you buy this superb per. forming HI Fi Music System. Features Scotts powerful new Model 384 90 watt AM.FM stereo receiver (less enclosure), new deluxe Garrard Model SL65 4-speed synchrolab automatic tumtable and deluxe base, choice of outstanding stereo elliptical cartridge: Pickering V15/ATE-3. Empire 888E, or Shure M-44E; and 2 Lafayette Criterion 150 Acoustic suspension speaker systems (see page 884 for complete description of the Criterion $150^{\prime}$ s). All connecting cables are included description of the Criterion 150 s), All connecting cables are included
21 H 5437 WXM Shpg. wt., 106 lbs . $\$ 24$ monthly..... Net 499.95

## msCOTT Stereo Amplifiers And Tuners



## NEW MODEL 299 F 65 WATT SOLID STATE

$169^{95}$STEREO AMPLIFIER - 65 Watts IHF @ 4 ohms - Tape Monitoring Facilities No Monsey Down Dual Speaker Switching
Powerful 65 watt solid state amplifier features rugged direct coupled all silicon 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 filter. Frequency response: $18-25,000 \mathrm{~Hz}$. Harmonic Distortion: $0.8 \%$. Hum and Noise: -55 db . Dim. $43 \%^{\prime \prime} \mathrm{H} \times 15^{\prime} \mathrm{W} \times 13^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}^{2} \mathrm{cps}$. Shpg. Wt. 12 lbs . 21 H $5429 \mathrm{WX} \$ 9.00$ Monthly
Metal Case for Model $299 F$ Shpg. wt., 5 lbs.
21 H 6009w
Walnut Wood Case for Model 299F Shpg. wt. 6 Ibs.
21 H 6024W
Net 169.95
Net 12.50


## NEW MODEL 315B SOLID STATE

## $169^{95}$

 FM STEREOPHONIC TUNER- Field Effect Transistor Front End - Integrated Circuit (IC) IF Strip less enclosure - Stegrated
No Money Down - Stereo Indicator Light High qualify FM stereo tuner featuring Scott's exclusive silver plated fronf end and famous IC IF strip for increased sensitivity. FET's virtually ellminate annoying interference and provide free. dom from drift. Has precision signal strength meter for accurate station tuning and Scott-patented time switching multiplex circult. Usable sensitivity: $2.0 \mu \mathrm{~V}$. signal to noise ratio. 60 DB . Cross modulation rejection: 80 DB. Capture ratio: 2.5 DB . $43 / \mathrm{m}^{7 \mathrm{Hx}}$ $15^{\prime} \mathrm{W} \times 13^{\prime \prime} \mathrm{D}$.
21 H5427wx Shpg. wt., 12 lbs. $\$ 9.00$ Monthly ........... Net 169.95 Metal case for 3158 . Shipg. wt. 5 tbs. 21 H 6009w Walnut wood case for 315 B . Shpg. wt. 6 lbs. 21 H 6024W

Net 12.50
Net 22.50


## NEW DELUXE MODEL 260B 120 WATT SOLID STATE STEREO AMPLIFIER

## $249^{95}$

less enclosure

- 120 Watt IHF @ 4 ohms
- 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: $15-30 \mathrm{~K} \mathrm{~Hz}$. Harmonic Distortion: $.8 \%$. Hum and noisc:-55 db. Dim $43 / \mathbf{b}^{\prime \prime} \mathrm{H} \times 15^{\prime \prime} \mathrm{W} \times 121 / 2^{\prime \prime} \mathrm{D}$ For 117 VAC 60 cps. Shpg. wt. 18 lbs.
21 H $5430 \mathrm{WX} \$ 12.50$ Monthly
Net 249.95
Metal Case for Model 260B, Shpg. wt., 5 lbs.
21 H 6009w
Walnut wood Case for Model 260B. Shpg. wt., 6 Ibs.
21 H 6024W



# Deluxe miscotw Hi-fi kits 



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

$179^{95}$

- FET Front End - Dynaliral Muting Control - Stereo Indicator Light
less enclosure No Money Down
A superb tuner in easy to build kit form. Learn as you bulld 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 FEI front end for maximum sensitivity and low distortion. Has four position meter selector switch for signal strength, multipath center frequency tuning and alignment, and stereo indicator light for positive Identification of stereo broadcasts. Dynaurak muting control virtually eliminates interstation static. Usable sensitivity: $1.6 \mu \mathrm{v}$. Signal to noise ratio: 65 db . Cross modulation rejection: 90 db . Dim. $43 / /^{\prime \prime} \mathrm{H} \times 15^{\prime} \mathrm{WK} 131 / 4{ }^{\prime \prime} \mathrm{D}$. For 110 VAC 60 cps . Shpg. Wt. 13 lbs . $21 \mathrm{H} 5434 \mathrm{WX} \$ 9.00$ Monthly Net 179.95 Metal case for Model LT-112B-1. Shpg. wt., 5 lbs. 21 H 6009w Net 12.50 Walnut wood case for Model LT-112B-1 Shpg. wt., 6 ibs. 21 H 6024W



## NEW MODEL LKGOB 120 WATT SOLID STATE AMPLIFIER KIT

$179^{95}$
less enclosure No Money Down
Enjoy the advantages of famous Scott quality in economical kit 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 faciities, bullt-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: $15-30,000 \mathrm{~Hz}$. Harmonic distortion: $.8 \%$. Mum and noise: -55 db . Dimenstons: $43 / \mathbf{/ b}^{\prime \prime} \mathrm{H} \times 15{ }^{\prime \prime} \mathrm{Wx}$ $121 / 2^{\prime 2} \mathrm{D}$. For 110 VAC 60 cps . Shpg. wt. 21 lbs.
21 H 5433 wx \$9.00 Monthly
Net 179.95
Metal Case for Model LK-60B. Shpg. wt., 5 lbs. 21 H 6009w

Net 12.50
Walnut Wood Case for Model LK-60B. Shpg. wt., 6 lbs.
21 H 6024W

NEW MODEL LR-88 SOLID STATE 100 WATT AM/FM STEREO RECEIVER KIT

## Only <br> $299^{95}$

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 incorpora. ting the latest advances in audio and FM stereo engineering. Full color easy to foliow instruction manual has virtually mistake proof instructions for the audio connoisseur who wants to build his own quality receiver. Features IC IF strip and FET front end for maximum sensitivity and minimum interference. Has wideband AM with automatic variable bandwidth, dual speaker swisch, dual
front panel mike inputs. Response: $15-30 \mathrm{KHz}$. FM sensitivity: 1.7 uv. Signal to noise ratio: $65 \mathrm{db} .5^{2} / 2^{\prime \prime} \mathrm{Hx} 171 / 2^{\prime}$ WK $16^{\prime \prime} \mathrm{O}$. For 110 VAC 60 cps. Shpg. wt. 28 lbs.
21 H 5435wx $\$ 15.00$ Monthly ....................................... Net 299.95
Oiled Walnut cabinet for LR-88. Shpg. wt. 8 lbs.
21 H 6063 W

100WATT AM.FM STEREO PHONO SYSTEM
featuring Scott LR88 Receiver Kit
Complete System
$399^{95}$

## YOU SAVE $79^{30}$

From Individual Catalog Prices


Pickering V15/ACE-3

Selected for the "do-lt-yourselfer" and music lover. this defuxe system provides magnificent performance -and you also save 79.30 from individual catalog prices. Consists of the new Scott LR88 100-watt AM-FM Stereo Receiver less enclosure: Garrard Model 40 MK/II 4-speed automatic Turntable with deluxe base; Pickering V15/ACE-3 Elliptical Stereo Cartridge; and 2 superb Lafayette Criterion 150 Acoustic Suspension Speaker Systems (see page 84 for complete descrip. tion of the Criterion 150's). All connecting cables are included. Shpg. wt. 100 lbs.
21 H $5436 \mathrm{WXM} \$ 19$ Monthly
Net 399.95



Scott LR88


# Quality DYNAKIT High Fidelity Components 

PAS-3X STEREO PREAMPLIFIER KIT



No Money Down \$5 Monthly

- Flat Frequency Response From 10 to $40,000 \mathrm{cps}$
- 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 $40,0 \mathrm{CO}$ cycles. IM distortion: less than $1 \%$ at 35 watts. Sensitivity 1.3 volts rms input for 35 watts output. Hum and Noise: better than 90 db below rated output. Output impedance: 4,8 and 16 ohms. Nickel-finished chassis; vinyl coated charcoal brown cover. For $110-120 \mathrm{~V} 50 / 60$ cycles AC. Size $13 \mathrm{~W} \times 61 / 2 \mathrm{Hx}$ 9"D. Shog. wt., 32 lbs.
21 H 2303 Wx stereo 70/A. Kit.
21 H 2304 Wx Stereo 70/A Wired. $\$ 7$ Monthly

Net 99.95
Net 129.95

Top-performing stereo preamp for use with high quality basic ampliflers includes two independent high gain. low noise preamplifier. control channels. All critical circuitry is pre-assembled on 2 printed circuit boards. Features "Dyna-8lend" For variable channel separation, DC heated tube filaments. Inputs: 3 stereo low level and 4 stereo high level. Frequency response: $\pm 0.5 \mathrm{db} 10-40,000 \mathrm{cps}$. Distortion: less than $.05 \%$. Noise: less than $2 \mu \mathrm{v}$. Gain, 60 db at 1000 cDs on RIAA. 20 db on high level. For $110-120 \mathrm{~V}$., $50 / 60$ cycles AC. Deluxe gold panel. Size: $13 \times 8 \times 4^{\prime \prime}$. Shpg, wt., 11 lbs.
21 H 2301wX PAS-3x Kit.
21 H 2302WX PAS-3XA Wired. $\$ 6$ Monthly
"SCA-35" 35-WATT STEREO INTEGRATEO AMPLIFIER KIT

FM-3 FM STEREO TUNER KIT


## No Money Down

## - Full Range of Stereo Inputs

- Frequency Response 20-20,000 cps
\$5 Monthiy
Combines a quallty stereo preamplifier with a 35 -watt stereo power amplifier. Inputs 7 pairs; outputs; tape, 8 and 16 ohm speaker outputs, and provision for headphone connection. Frequency Response: $20.20,000 \mathrm{cps} \pm 0.25 \mathrm{db}$. 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 $110-120 \mathrm{~V}$ AC. Complete with case, deluxe gold panel. Size: $13 \times 10 \times 4^{\prime \prime}$. Shpg. wt., 20 tbs. 21 H 2317 WX SCA 35 Kit.
21 H 2318Wx SCA-35 Wired. $\$ 7.50$ Monthly


High performance at low cost. Power: 17.5 watts continuous each channel, 45 watts IHF Music power (both channels). Response $\pm 1 \mathrm{db} 10$ to 40,000 cps. Harmonic and IM distortion are less than $1 \%$ at 17.5 watts each channel. Hum and Noise: 80 db below 17 watts. Damping factor 10 . Output im. pedance: 8,16 ohms cadmium plated chassis, charcoal brown cover. For 110.120 volts, 60 cycles AC. Size: $13 \times 51 / 2 \times 4^{\prime \prime} \mathrm{H}$. Shpg. wt., 19 lbs.
21 H 2315 wx Kit. $\$ 5$ Monthly ..... Net 59.95 21 H 2316 WX Wired. $\$ 5$ Monthly.. Net 79.95

Net 99.95
Net 139.95
$99^{95}$
NoMMoney Down
Automatic Stereo Switching

- Rapid, fool-proof assembly


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-switch. ing multiplex system. Features Dyna's "stereomatic" tuning system that automatically switches to stereo and signals when multiplex is being received. Kit version offers rapid, foolproof assembly; unique clrcuit design permits simple, yet precise, home alignment using the tuning eye alone. Sensitivity: 4 uv . Frequency Response: $10-40,000 \mathrm{cps} \pm 0.5 \mathrm{db}$ (before de-emphasis). Separation: 30 db . For 110-120v $50 / 60$ cycles AC. With deluxe gold panel and brown vinyl coated cover. Size $131 / 2 \mathrm{~W} \times 41 / 2 \mathrm{Hx} 8^{\circ \prime \mathrm{D}}$. Shpg. wt., 15 lbs .
21 H 2322 WX FM-3 Kit.
21 H 2308 WX FM-3 Wired. \$8 Monthly


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 built-In tuner indicator. Tuned RF input provides 4 microvolt (IHFM) sensltivity and excellent 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 cpS .13 x $4 \times 8^{\prime \prime}$. Shpg, wt., 12 lbs.
21 H 2305Wx $\$ 5$ Monthly
Net 74.95 21 H 2306 WX Wired. $\$ 6$ Monthiy Net 109.95

## OTHER OYNAKIT COMPONENTS

MODEL FMX. 3 MULTIPLEX INTEGRATOR KIT.
Fits into chassis cutout of FM-1 and converts it to fully automatic stereo reception when multiplex is broadcast. Channel separation 30 db . Shpg. wt., 3 lbs.
21 H 2351
Net 29.95
MARK IV 40.WATT MONO BASIC AMPLIFIER KIT. Ideal match for PAM-1 or PAS- 3 Pre. amps: Response: $\pm 0.5 \mathrm{db}$ from $10-40,000$ cps. im distortion: Less than $1 \%$. Hum \& Noise: 90 db down. 4, 8, 16 ohms output With cover $14 \times 5 \times 7^{\prime \prime} \mathrm{H}$. Shpr. wt., 23 lbs 21 H 2313 WX Kit. \$5 Monthly Mark IV/A Wired.
21 H $2314 \mathrm{wX} \$ 5$ Monthly
Net 59.95
21 2 IV PAM-1 MONO PREAMPLIFIER KIT. Fast printed circuit board construction. Full flexibility for all input sources. Response: $\pm 0.5 \mathrm{db}$. 10 cps to 40 KC . 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 coat-
ed cover. $12 \times 6 \times 3$. Shpg, wt.. 10 lbs. 21 H 2352 Kit . $\$ 5$ Monthly
PAM-1/A Wired.
21 H 2353 \$ 5 Monthly
Net 34.95

## Deluxe New Solid State Components by DYNARITT

## KIT OR FACTORY WIRED



## PAT-4 STEREO PRE-AMPLIFIER KIT

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

Deluxe solid state stereo preamplifier offering complete control faclities for any conceivable stereo or music system sourse. Fea. tures exclusive "Dyna Tone Control Circuit" to assure truly flat response (Patent Pending). Also features a switch selected high frequency filter@ 9.10 , and 15 Kc . Plus flat dosition. SPECIFICA. TIONS: Freq. Response: $\pm 0.5 \mathrm{db}$ from $5 \mathrm{cps} 10100,000 \mathrm{cps}$. Harmonic Distortion less than $0.1 \%$ at 2 volts output between 20 cps and $20,000 \mathrm{cps}$. IM: less than $0.1 \%$ at 2 volts output; Tone Control Range $\pm 12 \mathrm{db}$ at 50 cps and $10,000 \mathrm{cps}$. Noise: less that 2 mv . 8 sillcon Transistors, 2 diodes for 120 or 240 volts 50 or 60 cycles. Shpg. wt. 12 lbs.
21 H 2325WX PAT-4 Kit \$5 Monthly



## 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
"Alt Silicon Solid State Design" offers powerful performance and true-tollife sound. Delivers 35 watts of continuous power per channel (IHF) at 4 ohms. Freq. Resconse: $5 \cdot 100.000 \mathrm{cps}+1.5 \mathrm{db}$; $8.60 .000 \cos +0.5 \mathrm{db}$. Hum and Naise: 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 masnetic plono; 110k minimum on other inouts. Danish walnut vinyl clad case. For 105. $130 \mathrm{~V} 50 / 60$ creles AC. Size: $3 \mathrm{~K}_{5} \times 12 \times 8^{\prime \prime} \mathrm{D}$. Shpg. wt., $71 / 2 \mathrm{lbs}$. 21 H 2537 Wx Model 3070 Klt $\$ 5$ Monthly ......................... Vet 89.95 Model 3070 W -same as above but factory wired and tested 21 H 2538Wx $\$ 7$ Monthly

Net 129.95

- 60 Watts RMS Power Output Per Channel*
- 15 Transistors, 15 Diodes

New solid state stereo power amplifier offers superb performance Perfect companion to the PAT-4. No interstage or output transformers are used. Output section uses series-connected push-oull power transistors. "Power output per channel: 60 watts RMS @ 4 and 8 ohms, 32 watts at 16 ohms . Features: Electronic protection against open circuits or shorts; by means of a current limiting biasing circuit. No fuses or circult breakers are needed. SPECIFICATIONS: Frequency Response: 5 cps to $100.000 \mathrm{cps}: \pm 0.5 \mathrm{db}$. Harmonic Distortion: less than $0.5 \%$ at any power level up to 60 watts. IM Distortion: less than $0.5 \%$ up to 60 watts. Noise: 95 db below rated output. 15 Transistors. 15 diodes. Size: $13 \times 10^{1 / 2 \times 4 " \text {. For } 120 \text { or } 240}$ volts. 60 or 50 cps. Shpg. wt., 20 lbs.
21 H $2323 W \mathrm{WX}$ Kit $\$ 8$.
21 H 2324 WX Factory Wired $\$ 10$
Net 159.95
Net 199.95

## $25 / 50$ HI-FI TUNER AND AMPLIFIER KIT

# Sherwood- Solid State Hi Fi Components 



3695
Less Case
No Money Down

- FET Front End
- Power Output: 140 Watts IHF at 4 Ohms, 100 Watts IHF at 8 Ohms
- Noise-Gated Automatic FM Stereo/Mono Switching


## DELUXE MODEL S-8800S ALL-SILICON SOLID STATE 140 WATT FM STEREO RECEIVER

Deluxe Model S-8800S FM Stereo Receiver combines an FET front end 43 silicon transistors, 16 silicon diodes and rectifiers for high quality and reliability. Features: Noise Gated Automatic FM Stereod Mono; Instant indicator-light identification of FM Stereo Programming. Professional Zero-Center D'arsonval Tuning Meter, "Velvet Action" tuning knob for rapid, accurate tuning. Selector Switch for phono, tape head. FM stereo and aux. Controls for bass, treble, volume and balance. Four rocker switches control tape head monitor. high frequency filter, speaker selection of main or remote speaker disconnect, plus jack for stereo headphone. Controls for level adjust ment of pre-amplifier and inter-station muting. Specifications: 140 Watts IHF at 4 ohms, 100 watts IHF at 8 ohms, IM Distortion: $0.1 \%$
at 10 watts or less. Power bandwidth: $12-35,000 \mathrm{CD}$ at $1 \%$ distortion. Sensitivity: Aux 0.2 v , phono 1.6 mv . tape head 1.2 mv . Hum and Noise: Aux input .750 b , phono -63 db . $\mathrm{S} / \mathrm{N}: .70 \mathrm{db}$, Capture ratio: 2.2 db . Distortion: $1 / 3 \%$ at $100 \%$ modulation. Size: $16 \frac{1}{2} \mathrm{~W} \times 14 \mathrm{D} \times$ $41 / 2$ "H. Shpge wt. 26 lbs. 21 H 6134 Wx $\$ 19$ monthiy

Net $\mathbf{3 6 9 . 5 0}$ MODEL S-7800S AM/FM STEREO RECEIVER-same as model S-8800S but with AM band. Size: $161 / 2 \mathrm{~W} \times 140 \times 41 / 2 * \mathrm{H}$. Shpg. wt., 27 lbs 21 H 6139WX $\$ 22$ monthly. Net 409.50 Walnut Tone Leatherette Case for Models $\$ 7800$ S and 58800 S. Shpg. wt. 8 lbs.
21 H 6112 W $\qquad$ Net 9.00


## You Save 93.85

From Individual Catalog Prices
Deluxe system for the connolsseur featuring the Sherwood S.8800S FM Stereo Receiver (less case), new Garrard model SL55 4-speed Synchro-Labe Automatic Turntable with matching base, choice of quality elliptical stereo cartrldge: Pick. ering V $15 /$ ACE-3, Empire 808 E , or Shure M32E, and 2 Lafayette Criterion 150 $10^{\prime \prime} 2$-way acoustic suspension speaker systems (see page 84 tor complete de. scription of Criterion 150's). Complete with all connecting cables. Wt., 100 lbs . 21 H 6142 WxM $\$ 24$ Monthly Net 469.95


# MODEL S-9500AS 50-WATT SILICON SOLID STATE STEREO AMPLIFIER - 22 Silicon Transistors, 4 Silicon Rectifiers Less Case 

A deluxe solid-state stereo amplifler 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 low harmonic distortion of $1 / 3 \%$ at rated output. Hefty 50 .watts of music power. Also features phono input noise less than -70db with no microphonics or hum; professional Baxandals tone controls, tape monitoring and tape head playback, stereo headphone, jack and 4 -position selector switch. Response: $12-35,000 \mathrm{cps}$. Outputs 4,8 and 16 ohms. Compact $14 W \times 4242 H \times 10^{\circ} \mathrm{D}$. For $115 \cdot 125 \mathrm{~V}$. 60 cycles $A C$. Shpg. wt., 20 IDs. Less Case.
21 H 6120WX $\$ 9$ Monthly $\qquad$ Net 179.50 Walnut Tone Leatherette Case for Model $\$ .9500$ AS. Net 7.50


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

17750. All Silicon Solid State Circuitry - FM Sensitivity Rated at $1.7 \mu \mathrm{~V}$ (IHF) - $81 / 4$ Inch Expanded Slide-Rule Tuning Scale Less Case Deluxe Tuner features precision tuning with professional-type zero-center FM tuning meter, stereo indicator light, automatic stereo selection, and $84 / 4$ inch expanded slide-rule dial. FM interchannel hush for quiet, pleasureable tuning. Front papel controls for FM Tuning, Level, Mono/Automatic Stereo, FM Hush, Stereo Nolse Filter, Power On/Off. Sensitivity: $1.7 \mu \mathrm{~V}$ for 30 db quieting. Size: $101 / 2 \mathrm{D} x$ $4 * \mathrm{H}$. Shpg. wt., $101 / 2 \mathrm{lbs}$. 21 H $6136 \mathrm{Wx} \$ 9.00$ Monthly Net 177.50 Walnut Tone Leatherette Case for $\$ .3300$ S. Shpg. Wt., 5 ibs 21 H 6113 W MODEL 7.50 MODEL S2300S. Same as Model S-3300S, includes AM broadcast band. Size: $14 \times 4 \times 121 / 2{ }^{\prime} \mathrm{D}$. Shpg. wt., 15 lbs . 21 H $6140 \mathrm{Wx} \$ 10$ monthly

Net 209.50 Walnut Tone Leatherette Case for $\$ 2300$ S, Shpg. wt., 5 tbs. 21 H 6116 w

## Nocturne Solid State Stereo Receivers by harman kardon

> Nocturne Styling gives new elegance to Hi-Fi. With power turned off, the tuning scale, tuning meter, and stereo indicator of these fine receivers disappear behind a gleaming
ebony panel. Turn on the power, and the receivers come to life with the panel lit up in a rich amber color.

## NEW! Model 520 70-WATT FM STEREOPHONIC RECEIVER

- MOSFET Front End
- FM Interchannel Muting
- Tape Monitor Switch
- Separate Speaker

Selector Switch Only

Less Case

## No Money Down

The Model 520 is a complete stereophonic electronic music center with a stereo preamplifier, powerful 70 watt stereo amplifier, and FM stereo tuner mounted on a handsome chassis. Features new Nocturne stylling and advanced new integrated circuits for absolute reliability. MOSFET front end and FM interchannel muting provide noise free reception of even the most distant stations. Separate speaker selector permits a choice of stereo in one or two rooms, individually or simultaneously. Has automatic stereo indicator, illuminated D'Arsonval tuning meter,


## NEW MODEL 210 50-WATT AM/FM STEREOPHONIC RECEIVER

$229^{\circ 0}$
Less Case No Money Down

Handsome 50 watt receiver with Nocfurne stying plus tie added convenience of AM as well as AM/FM stereo Ilstening pleasure. The 210 feature an MOSFET front end, FM stereo indicazor light, and an illuminated D'Arsonval tuning meter for precise FM and AM tuning. Also has two separate speaker selector switches for choice of stereo in 2 rooms. tape monitor, and headphone receptacle. Power: 50 watts IHF. Frequency Response: $10-23,000$ CDS at full power. Harmonic Oistortion: less than $1 \%$. Usable FM
 21 H 4272wx $\$ 11.50$ Monthly ........................ 229.00 21 H 4275 W Oiled Walnut Enclosure for 210. Wt. 10 lbs. Net 21.25
tape monitor switch, and stereo headphone jack. Power: 70 watts IHF, Freq. Response: $8-40,000 \mathrm{cps}$ at rated power. FM sensitivity: 1.95 uv. Harmonic Distortion: less than $.8 \%$. 15\%, "Wx $121 / 2^{\prime \prime} \mathrm{Dx} 4^{5} /$ / $^{\prime \prime} \mathrm{H}$.
21 H 4270 WX Shpg. Wt. 21 lbs........ $\$ 13.50$ Monthly.........Net 269.00 Model 530. 70-Watt AM-FM Stareo Receiver, Identical to Model 520, but with MOSFET AM circuit. Shpg. Wt. 23 lbs.
21 H 4271wx 21 H 4274 W Olled Walnut Enclosure for 520 and 530 ... Net 25.50


## NEW MODEL 720 80-WATT FM STEREOPHONIC RECEIVER

## 31400 - MOSFET Front End <br> - FM Interchannel Muting <br> Less case <br> - 80-Watt IHF Power No Money Oown

Powerful new 80 watt FM stereo receiver engineered 10 provide truly fine tonal response. The 720 has every modern convenience for operating simplicity, beautiful Nocturne styling, and a new MOSFET front end that pulls in hard to get stations with an outstanding $1.8 \mu \mathrm{v}$ sensitivity. Features illuminated $D^{\prime} A r s o n v a l$ tuning meter, stereo indicator, tape monitor, and two speaker selector switches for chaice of stereo in 2 rooms. Power: 80 watts IHF. Freq. Response: $8-40,000 \mathrm{cps}$ at rated power. Marmonic distortion: less than $8 \%$. $161 / /^{\prime \prime} W \times 5$ " $\mathrm{H} \times 113 / \mathrm{K}^{\prime \prime} \mathrm{D}$.
21 H 4273wx Shpg. wt. 26 lbs. ....... $\$ 17.00$ Monthly....... Net 314.00 21 H 4244W Ofl Wainut enctosure for 720. Wt. 10 lb. Net 25.50

## 70-WATT FM STEREO PHONO SYSTEM featuring the MODEL 520 Receiver

YOU SAVE $68^{35}$<br>From Individual Catalog Prices

Quality 70 watt FM Stereo Phono System consisting of deluxe Harmon Kardon Model 520 70-watt FM stereo Receiver (less enclosure), Garrard Model 40MK-1I 4-5peed automatic record changer with official Gar. rard simutated ebony and walnut base, choice of elliptical stereo cartridge: Pick. ering V15/ACE-3, Empire 808E or Shure M32, and lastly 2 Lafayette criterion 50 True 2 -way speaker systems (see Page 81 for complete description of the criterion $\left.50^{\prime} \mathrm{s}\right)$. Shpg. wt.. 95 lbs.
21 H 4275wxM $\$ 19$ Monthly....... Net 339.95


# Superb Quality Hi-Fi Components by mananerne 



## NEW MODEL 1870 WAIT SOLID STATE FM STEREO RECEIVER

Deluxe stereo receiver complete with dual 35 watt RMS solid state direct coupled amplifiers, solid state stereo preampllfier and solid state FM stereo tuner. FM tuner section features passive front end, and a novel tuning arrangement which provides silky 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 KHz , distortion is less than $.1 \%$. Front panel dubbing input and output are provided, as is a stereophone output jack. Also features speaker selector switch for stereophone, remote, or main speakers. Specifications: Sensitivity $2.5 \mu v_{i}$ signal. to-noise ratio 70 db ; harmonic distortion $0.15 \%$; stereo separation at 1 KHz 45 db . Size: $181 \mathrm{~m}^{\prime \prime} \times 16^{\prime \prime}$ $\times 6^{\prime \prime}$. Less Cabinet. For $105-130 / 220-240$ volt AC $50 / 60 \mathrm{cps}$. Shpg. wi., 40 lbs . 21 H 5013 Wx $\$ 29$ Monthly $\qquad$ Net 595.00
Olled Walnut Wood cabinet for Model 18.
21 H 5014 W Shpe, wt., 11 lbs.
Net 39.50

## MODEL $7 T$ SOLID STATE STEREO PREAMPLIFIER CONSOLE

## - Tape Play/Tape Copy Switch

- Center Channel Output
- Selector Switch With Automatic Equalization

Deluxe self-powered solid state stereo preampllfier combines new methods of solld state application developed by Marantz engineers with remarkable Marantz quality construction for complete versatility and ease of operation. Deluxe features include: 2 front panel jacks for recording, copying, or ptayback with an external Tape Recorder, 8 pos. selector swltch with automatic equalization insertion, precl. sion tracking volume control, selectable-curve feedback Tone control, 5 pos, mode control, output level adjustments for high and low efficiency speakers, Tape head equallzer adjustments. Complete input facillities for every type of music source, 6 AC/Convenience outlets. Frequency Response: $20-20,000 \mathrm{cps} \pm 0.1 \mathrm{db}$. IM DIstortion: $0.15 \%$ at 10 volts RMS output. Size: $153 \times 53 / 4 \times 82 / 2 \cdots$ D. $105-130$ $220-240$ volt, $50 / 60$ cycle AC. Shpg. wt., 12 lbs.
21 H 5008 W X $\$ 17$ Monthly Less cabinet
Net 325.00
21 H 5002 W 0iled Watnut cabinet for 7T. Wt., 4 lbs . Net 24.DO

## MODEL 15120 WATT SOLID STATE

 STEREO BASIC AMPLIFIER

- 60 Watts RMS Per Channel Power Output
- Each Channel Has Individual Power Suppln3l

Furnishes performance and workmanship found In high quallty broad cast or laboratory equipment. Offers maximum rellabillty and technical performance. Power output is 60 watts RMS per channel at 8 ohms. Harmonic distortion throughout $20-20,000$ cycle band is less than $0.1 \%$ at full power output. Stability is unconditional at high levels without any audible distortion. May be used with any type of speaker. Safety circuit for Instant overload recovery. Massive heat sinks for cool operating conditions even with continuous high power output. 24 transistors, Size: $81 / 4 \mathrm{D} \times 15 \frac{1}{6} \mathrm{~W} \times 5 \frac{3}{4}{ }^{2} \mathrm{H}$. Shipg. wt., 35 lbs. $105-130 / 220-240$ volt $50 / 60$ cps AC. 21 H soiowx $\$ 19$ monthly

Net 395.00
MODEL. 9-Superb massive single channel 70 -watt amplifier-exceptional stability and low distortion, 2-6DJ8/ECC88, 1-6CG7, 4-6CA7/ EL34, 1 Zener Diode, 5 silican rectiflers, $15 \frac{1}{6} \mathbf{W} \times 81 / 4 \mathrm{H} \times 101 / 2^{-D}$. Shpg. wt. 63 lbs. $105 \cdot 130 / 220-250$ volt $50 / 60 \mathrm{cDs}$ AC 28 H 5005 Wx Not illus $\$ 19$ monthly

Net 384.00

MATTES PROFESSIONAL SOLID STATE HI-FI COMPONENTS MODEL SSP/200 SOLID STATE STEREO POWER AMPLIFIER

- 100 Watts Per Channel Continuous Power With Less Than 0.1\% IM Distortion At Full Output


The Mattes SSP/200 is a solid-state two-channel power amplifier for applications requiring absolute fidellty of music reproduction at both low levels and at levels approximating those of actual performances, Absolute short-circuit may be applied to output terminals, driven or not, without damage to components. Harmonic distortion is $0.5 \%$ at 100 watts per channel, $20-20,000 \mathrm{cps}$. Sensitivity is only 1 -volt input for 100 watts per channel output. Hum and noise 90 do below rated output. Continuous power output is 100 watts per channel, 20 to $20,000 \mathrm{cps}$ at both 4 and 8 ohms. Intermodulation distortion (SMPTE): $0.07 \%$ at 100 watts per channel. Size: $81 / 4 \times 51 / 4 \times 141 / 4^{\prime \prime}$ For 117 VAC. Shpg. wt., 30 lbs .
21 H 4901wX $\$ 22$ monthly
Net 425.00
Model SSA/200 200 watt solid state integrated stereo amplifier (not illustrated).
21 H $4909 w x$ Shpg, wt., 36 lbs.

# $\sum$ Last Minute Exciting Release 

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

Optional Dynamic Mikes
$14^{95}$
ea.


## NEW! DELUXE LAFAYETTE RK-92O AUTOMATIC 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 Sensorv 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 Illuminated VU Meters

Lafayette's RK-920 Tape 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. Sensing metallic foil 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 takeup 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.

Revolutionary deluxe 4-track automatic reversing tape transport system with full record and playback provisions. Automatic "computer type" sensing permits directional selection in elther record or playback mode. In addition to automatic reversing, the RK- 920 features a top performing stereo preamp, perfectly matched for use with high quality basic amplifiers. You can record "ilive" from microphones, or from auxHiary sources such as receivers, tuners or phonographs, and playback at either $17 / \mathrm{B}$, $33 / 4$ or $7 \mathrm{l} / 2 \mathrm{ips}$. The tape transport is powered by two separate 4 -pole induction capstan drive motors to assure ultra-smooth, accurate speed. Feather-touch push-button
controls allow you to change operational modes instantiy or preset the unit to automatically reverse itself. Instant pause control assures smooth. professional editing during recording sessions. Two professional VU 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. $17 \times 151 / 2 \times 8 y_{4}{ }^{4} \mathrm{D}$. Imported. Shpg. wt., 38 lbs. 99 H 15 sawx \$10 Monthly ........Net 199.95 99 H 4588 Optional Dynamic Mike Net 14.95 $7{ }^{\prime \prime}$ reel of 1800 ft . Mylar Base Recording Tape with reversing sensing foils. 28 H 0116

Net 2.69
SPECIFICATIDNS
Solid-Stat? Clicuitry: 14 transistors, 27 diodes. Frequency Response: $30-22,000 \mathrm{~Hz}$ $\pm 3 \mathrm{db}$ at $71 / 2$ lps; $40-18,000 \mathrm{~Hz} \pm 3 \mathrm{db}$ at $37 / \mathrm{lps}$. Wow and Flutter: Less than $0.2 \%$ rms at $33 / 1 \mathrm{ips}$. $\mathrm{S} / \mathrm{N}$ Ratio: 50 db or better. Harmonic Distortion: Less than $1.5 \%$. Crosstalk: Better than 58 db . Equalization: $71 / 2$ lps, $N A B ; 3 y / 4$ ips, RIAA. Input Imped.: Mic., 10 H ohms; Aux., 500 K ohms. Output Imped.: Ext. amp., 3k ohms; Heads: Two l/4-track lamination. type stereo record/playback; two $1 / 4$-track double-gapped high efficiency erase heads. For $110-120 \mathrm{~V}$. 60 Hz , AC.

# New Deluxe Car Stereo Tape Players "DIMENSION 48" SOLID STATE COMPATIBLE 4 AND 8 TRACK CAR STEREO TAPE PLAYER 



# Fine Tuning Control For Precision <br> Head Alignment -. With Tape ! 

Only

Less Speakers
No Money Down

- For All 12 Volt Neg/Pos Ground Cars
- Plays Both 4 \& 8 Track Stereo and Monaural Tapes

Outstanding, new, compatible stereo tape player. Plays both 4 and 8 track stereo and monaural tapes. Features fine tuning control-takes over where the recording engineer leaves off. Permits the listener to "tune out" undesirable crosstalk, even in worn or defective cartridges. Panel mounted thumb.wheel control adjusts the playback head to precision alignment with the recorded tracks. Offers supert tape reproduction. Fully automatic- tapes play instantly-no extra switches or levers to select choice of cartridge-removal of cartridge from player automatically turns unit off. High styling enhances decor of your car. Features Electronic Program selection-channel

## SPEAKER KITS FOR "DIMENSION 48" AND ALL OTHER CAR STEREO TAPE PLAYERS

## LAFAYETTE CUSTOM IN.DOOR SET OF 4 SPEAKERS and MATCHING GRILLS



Get that full, pich stereo sound from, your car tape player. Ready for quick installation. Improves the sound and performance of any car tape player. Kit includes: Four $434^{\text {" }}$ extended range 8 -ohm PM speakers; four round custom mount plastic speaker grills; all necessary hookup wire with solderless connectors; mounting hardware and easy-to follow instructions. Imported. Shpg. wt., 3 los.
94 H 8285 $\qquad$ Net 8.95

## $23 \times 5^{\prime \prime}$ CUSTOM MATCHING SPEAKER SYSTEMS

 Only $8^{95}$2-3 x 5" heavy duty ceramic speakers mounted in plastlc housings will ount underdash, underseats, on kich panels, docrs, or rear package shelf. Includes all necessary cables, mounting hardware and self adhering tape. Shpg. wt., 3 tbs.
17 H 7424W

- Fully Automatic-Instant Operation
- Electronic Program Selection
automatically transfers at end of program. Selector bar permits Instant change of tracks (program), Illuminated dial indicates the channel that is playing, separate fone and volume controls. Dustproof door seals cartridge opening when player is not in use. 12 transistors, 2 thermistors, 4 ohm output. Peak audio output 8 watts ( 4 per channel). Size: $11 / 2 \mathrm{H} \times 77 / 6 \mathrm{~W} \times 8^{\prime \prime} \mathrm{D}$. For 12 volt neg/pos. ground cars. Less speaker. Imported. Shpg. wt., 12 lbs.

Alternator Noise Filter for "DIMENSION 48". Shpg. wt., 402.
17 H 7422


## MEW "MIN-8" 8 TRACK SOLID STATE CAR STEREO TAPE CARTRIDGE PLAYER

## $54^{95}$

No Money Down with two $3 \times 5^{\prime \prime}$ speakers
in instant Mount housing

- For 12 Volt Negative Ground System

Handsome new compact 8 track tape cartridge player complete with two $3 \times 5$ " ceramic speakers in "instant mount" housings - can be installed anywhere - by anyone. True hi-fidelity sound and distinctive styling. Simplifiled operation - insertion of any 8 track cartridge switches the player on and magnificent stereophonic music instantly sweeps through the car. Miniature design permits simple installation in any 12 volt negative ground vehicte. Automatically changes tracks at the end of each program. Selector button is Illuminated when player is on - instantly changes tracks when button is depressod. Includes Balance Control - 12 transistor. Dim.: $5^{\prime 2} W \times 3^{\prime H} \times 67 / \mathbf{s}^{\prime \prime} \mathrm{D}$. Shpg. Wi., 8 lbs.
17 H 7431wx $\$ 5.00$ Monthly
Net 54.95
NEW "MINI-4" 4 Track Solid State Car Stereo Player. Same as above but only plays standard 4 Track tape cartridges. Includes 2 external speakers. Dim.: $5^{\prime} \mathrm{Wr}^{3} 3^{\prime} \mathrm{H} \times 6 \mathrm{~K}^{\circ} \mathrm{D}$. Shpg. wt., 8 lbs.
17 H 7432wx $\$ 5.00$ Monthly

# Car Stereo Tape Player/Radio Entertainment Centers <br> New Compatible Solid State 4 and 8 Track Car Stereo Player with Built-in FM Radio 



- For All 12 Volt Neg./Pos. Ground Systems
- Plays $4 \& 8$ Track Stereo and Monaural Tapes

Now you can have a complete FM stereo entertainment center in your cor. Features a full sutomatlc compatible tape cartridge player that plays both 4 and 8 track stereo and monaural cartridges, 14 watt stereo amplifier, and an outstanding performing FM radio, (with provisions to recelve FM broadcasts with an optional adapter see listing below). Handsomely styled in black and chrome, this compact unft measures only $11 / 2^{\prime \prime} \mathrm{H} \times 7 \%{ }^{-} \mathrm{W}^{\circ} \times 8^{-D}$, and can easily De mounted under the dash of your car-unlversal bracket (included) permits a choice of 10 mounting angles. Ingenlous dosign permits the hiding of the tape cartridge opening with the llluminated FM side rule dial plate. When the cartridge is out this unit looks like

## - FM Radio Can Receive FM Stereo Broadcast With Optional Multiplex Adapter

an attractive FM radio. Insertion of the tape cartridge through the dial opening instantly converts the unit into a tape player. Features electronic program selection: tracks automatically change at end of each program-selection bar also permits instant program changes. Separate tone and balance controls. Fine tuning control adjusts head allgnment with tape to eliminate crosstalk. 19 transistors, 5 diodes, 4 thermistors. Less speakers. (see pase 40 for selection of speakers.) 17 IH 7430 wX Shpg. wt., 13 ibs. $\$ 6.50$ Monthly $\qquad$ Nat $118 . \%$

Stereo FM Multiplex Adapter for above. Shpg. wt., 3 lbs.
17 H $7433 \$ 5.00$ Monthly
Net 34.55

$$
\begin{gathered}
\text { NEW DRAMATIC "TAPEDEK CONVERTIBLE" SOLID STATE } \\
4 \text { and } 8 \text { TRACK TAPE PLAYER/AM-FM RADIO }
\end{gathered}
$$



Plays $4^{*}$ or 8 track c3rtridges and converts to an FM or AM radio with Pluz-in Tuner Cartridge Modules.


- For 12 Volt Neg. Ground Cars

Truly a magnificent innovation in sound entertainment. The Tapedek Convertible is a solid state 8 -track tape player that can take any 4-track cartridge by means of a patented adapter (included) which is inserted in the cartridge. Also converts to in AM or FIM radio with optional solid state plug-in FM or AM tuner cartridges. Tapedek

## SOLID STATE PLUG

AM tuner module- 5 semi-conductor devices. Silde rule illuminuted dial. Shpe. wt., 1 ib. 17 h $2 \operatorname{sent}$ $\boldsymbol{x}$ Net $24.5{ }^{5}$
unit automatically senses if a tope or cart aldse is being inserted, and instantly starts playing. Mounts easily under dosh with thett-proof bracket and hey. size: 81/2W x 33, $\times 74 / 2 \mathrm{D}$. Complete with 4 speakers and chrome grills. Shpg. wt., 14 lbs.

17 h 2808WX $\$ 6.00$ Monthly _-_ Nat 108.s5

## RADIO CARTRIDGES

FM tuner module - 8-transistor, 3-diodes, bultitin AFC, slide rule llhuminated dial.

NEW LEAR JET STEREO 8
8 TRACK CAR STEREO PLAYER
WITH SOLID STATE FM RADIO
 Only $1995 \begin{aligned} & \text { with set of } 4 \\ & \text { Speakers and } \\ & \text { Grills }\end{aligned}$

- Synchro Track Control
- Fast Forward Control
- 22 Transistors-6 Diodes

Deluxe 8 track car tape cartridge ployer fes. turing bullt-in FM radio, fast forward control, and synchro track control-adjusts "alignment of magnetic playback head to compensate for any variations in program track positions (ellmimates cross tall)." Also includes stereo balance control, and push. button program selector, output 4 witts per channel RMS. Automatic trach changing at end of program. For 12 V neg. ground. $8^{\prime \prime} \mathrm{W}$ $\times 7 / /=0 \times 2 \% \mathrm{MH}$. With set of 4 speaters and grills. shpe. wt., $101 / 2$ lbs.
17 H 1e0ivx $\$ 10$ monthty but less FM radlo. Shpg. wt., 9 ibs.
$17 \mathrm{H} 1807 \mathrm{WX} \$ 7.50$ Monthly .... Net 135.50

## Home 8 Track Tape Recorders and Players

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


No Money Down

- Sony-Matic Recording Control
- Cartridge Alignment Indicator
- Automatic Shut-off

Now, with the new and exciting Sony TC-8, you can select and record your own library of stereo 8 -track cartridges for automobile and home use. Instantly connects to your home system for recording or playback. Features "Sonymatic" recording control which automatically adjusts recording level and indicates which tracks are being recorded. Perfect track alignment is assured by alignment indicator light, and automatic power mechanism which turns unlt on only when cartridge is properly inserted and shuts it off at the end of the tape. Also has record interlock to prevent accidental erasure. Frequency Response: $40-12,000 \mathrm{~Hz}$. Tape speed: $33 / 2 \mathrm{ips}$. Wow and Flutter: $0.32 \%$. Dimensions: $12 \mathrm{~W} \times 81 / 2 \mathrm{H} \times 41 / 2$ "D. Shpg. wt. 11 lbs.
27 H 6034Wx
\$5,00 Monthly
Net 99.50

## NEW LEARJET MODEL HSA-90 8 TRACK STEREO HOME CARTRIDGE DECK



## ONLY $>95$

## No Money Down

- Provides Brilliant Stereo Reproduction of the "Stereo 8" Cartridge through the Amplifier and Speakers of your Present Home Stereo System

Enjoy long piaying 8 Track stereo cartridges in your home. Simple to operate-push in cartridge to start, pull out to stop. Outstanding features: Pushbutton track selector, automatic endless play of entire cartridge. Solid state stereo amplifier. "On" indicator light. Tape speed $33 / 4$ lps. Handsome simulated walnut metal cabinet: Size: $9 \mathrm{~W} \times 101 / 40 \times 3 \%_{0}{ }^{\circ H}$. For 110 VAC 60 cycles. Shpg. wt., $121 / 2$ Ibs. 17 H 1808Wx \$5 monthly

UNIQUE ROBERTS MODEL 1725-8L COMPATIBLE STEREO RECORDER


- 4 Track Stereo and Monaural Reel-To-Reel Record and Play
- 8 Track Stereo Cartridge Record and Play

Excitlng compatible transistorized reet-to-reel/cartridge recorder plays 8 track stereo 8 cartridges as well as record 8 track cartridge from mike, tuner, and simultaneously record tapes being played on the reel-to-reel portion of this recorder. 8 track cartridges plug in to play or record-no threading. Reel-to-Reel portion of recorder features 2 heads. 3 speed $71 / 2$. $33 / 4,17 / 8$ lps automatic shut-off, 3 place digital index counter, pause lever, and record interlock, $5 \times 7^{\prime \prime}$ extended range speakers. Outputs for 2 external speakers and stereo headphone. Reel size: $7^{\prime \prime}$. With 2 dynamic microphones. For 110 VAC 60 cycles. Size $151 / 4 \times 71 / 2 \times 133 / 4^{\prime \prime}$. Shps. wt. . 40 lbs.
27 H 550 1WX $\$ 17$ monthly
Net 339.95
28.1031 Blank type cartridge for $1725.8 \mathrm{~L} .1 / 2 \mathrm{lb}$.
2.79

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

Beautiful Walnut Wood and Leatherette Grained Cabinet

- Permits You to Play "Stereo 8" Tape Cartridges thru the Amplifier and Speakers of Your Present Home Hi-Fi System

Fully transistorized, 8 track home cartridge player with built-in dual pre-amplifiers. Plays all "Stereo 8 " track endless-play pre-recorded tape cartridges through any stereo amplifier having an "auxiliary" or "extra" flat response input jack. Plays instantly when cartridge is inserted. Features visual channel indicator, and automatic or manual switching of channels. Tape speed: $33 / 4$ ips. Imported. Size: $11 W \times 91 / 20 \times 41 / 2 " H$. For $115 V$., 60 cycles AC. Shpg. wt., 14 lbs.
17 H 2606Wx
$\$ 5.00$ monthly
Lafayette Stocks a Complete Line of Tape Accessories

# Stereo 8 Tape Cartridge Players and Accessories 

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


WITH SEPARATE MATCHING WALNUT SPEAKER CABINETS

Magnificent new 8 track tape cartridge system for the home. Enjoy the convenience of continuous 8 .track cartridges. No tape threading. Delivers 16 .watt peak music power performance for room-tilling sound. Includes 2 separate jecorator styled walnut speaker systems, each contain a full range $64 / 2$ " speaker. Features: a pushbutton chan. nel selector with illuminated channel indicators, precision balance control, bass and treble control, and a stereo headphone jack. Specifications: Speed 33i4 ips. Frea. response $50-12,000 \mathrm{cps} ., 24$ solid
state devices. Dimensions: Control unit- $161 / 2 \mathrm{~W} \times 4 \mathrm{H} \times 9^{\prime \prime} \mathrm{D}$. Speakers-
 17 H 3054WX
$\$ 7.00$ monthly
Net 129.95 PQNASONIC MODEL RS800US: Solid State 8.Track Stereo Cartridge Tape Deck. Similar to above, but less speakers and power amplifier. Plugs into existing Hi Fi amplifier or receiver. Dim.: $161 / 2 \mathrm{~W} \times 41 / 2 \mathrm{Hx}$ $81 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 9 lbs. Imported
17 H 3053WX

HERB ALPERT \& THE IIJUANA BRASS 8 TRACK STERED TAPE CARTRIDGES
only 595


| Stock No. | Title | Net |
| :--- | :--- | :--- | ---: |
| 28 H 2101 | Going Places | 5.95 |
| 28 H 2102 | Tljuana Brass-Vol. II | 5.95 |
| 28 H 2103 | Conely Bull | 5.95 |
| 28 H 2104 | South of the Border | 5.95 |
| 28 H 2105 | What My Love | 5.95 |
| 28 H 2106 | Whipped Cream \& Other Delights | 5.95 |
| 28 H 2107 | S.R.O. | 5.95 |
| 28 H 2108 | Sounds Like | 5.95 |

## 8 TRACK STEREO TAPE CARTRIDGES <br> As Low As <br> $\qquad$



| Stock No. | Title ${ }^{\text {- Twin Pack }}$ | N |
| :---: | :---: | :---: |
| 28 H 1102 | Many Moods of Belafonte | 5.95 |
| 28 H 1202 | Belafonte at Carnegie Hall* | 9.95 |
| 28 H 1212 | Original Cast-South Pacific | 6.95 |
| 28 H 1214 | Original Cast-Sound of Music | 6.95 |
| 28 H 1206 | Original Cast-Fidder On A Roof | 6.95 |
| 28 H 1208 | Original Cast-Hello Dolly | 6.95 |
| 28 H 1283 | Music From Mary Poppins | 4.44 |
| 28 H 1166 | Mancini-Pink Panther | 5.95 |
| 28 H 1169 | Melachrino-Music of Rodgers* | 8.95 |
| 28 H 1179 | Elvis Presley-Gold Records | 5.95 |
| 28 H 1143 | Best of Al Hirt | 5.95 |
| 28 H 1250 | Beethoven Sym No. 5-Reiner | 8.95 |
| 23 H 1220 | Beethoven "Emperor" Van Clibum | 6.95 |
| 28 H 1225 | Boston Pops-Gaite Parisienne | 6.95 |

## NEW 8-TRACK CARTRIOGE MYLAR RECORDING TAPE

New continuous loop 8-track cartridges containing 150 ft . of 1 Mil Mylar lubricated recording tape. Fit all standard
8-track recorders and players. With UNI- ten. sion pressure pads. precision molded tape guider. Shpg. wt. 602.
28 H 1031
Net 2.79

## AUTO TAPE CARTRIDGE PLAYER DEMAGNETIZER

Strong magnetic fields in your car from (starter, generator, etc.) can magnetize and distort parts of your tape. Maintain sound quality of your tape with this fully transis. torized demagnetizer. Simple to use-plugs into your cigarette lighter, Shpg. Wt. 1 Ib. 28 H 7802

## CARRYING CASE FOR AUTO TAPE CARTRIOGES

Keep tape cartridges for your car neat, orderly, dust free. Compact 9x $6 \times 6^{\prime \prime}$ case stores 10 tapes of any standard brand, 2 libs.
28 H 2012 ........ Net 2.65

## BERLITZ 8 -TRACK LANGUAGE CARTRIDGES

- World Famous instruction
- Learn While You Drive


## Only

 98 ea. Learn a language as actually spoken by native instructors via your car tape player. Listen and repeat the elementary, frequently used words.

VOL. I. Concerns basic words and greetings, meals, hotels, shopping, sightseelng, getting around town, theaters, etc.
VOL. 2. Conserns travel, friends, telephone, writing, cables, money, signs, emersencies, etc.
28 H 7901 French VOL. I 28 H 7902 French VOL. 2 28 H 7903 spanish VOL. I 28 H 7904 Spanish VOL. 2 28 H 7905 German VOL. I 28 H 7906 German VOL. 2 28 H 7907 Italian vol. 28 H 7908 Italian VOL. 2 28 H 7909 Pussian Vol. $1 \quad 28$ H 7910 Russian VOL. 2

## AUTD TAPE SYSTEM MAINTENANCE KIT



An all-in-one maintenance kit for your auto tape systen ... keeps heads in top operating copdition. 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 H 7801

## HEAD CLEANING TAPE CARTRIDGE

 FOR 8-TRACK PLAYERSA must for removing coating deposits from tape heads to restore high frequency response and volume. For use in any 8-track player ac cepting 8-track cartrids es. Easy to use and reuse. Simply run the car. tridge for a short period. Shpg. wt. 8 oz . tridge for a short period. Shpg. wt. 8 02.
28 H 1292

# Portable, AC, and Battery Operated Phonographs 



Ideal phono for the youngster in your family. Plays up to 12" monaural and stereo records at $162 / 3,331 / 3,45$ or 78 RPM, A single lever selects any speed. "Feather-light" retractable tone arm is equipped with a single crystal cartridge. Volume control with on-off switch. Bullt-in 45 RPM record adapter. Fine quality $4^{4 "}$ speaker. Attractive blue and white leatherette covered case. For $110-120$ volts, 60 cycles. Size: $12 \mathrm{~W} \times 93 \mathrm{mD} \times 5$ H. Shpg. wt., 8 lbs.
24 H 0253 W
Net 14.95


- Operates on 4 " $D$ " batteries or 117 VAC with Optional Adapter
Handsome, compact portable record plaver with built-in AM radio. Perfect for picnics. beaches. or anywnere you go. Plays $334 / 3$ and 45 RPM records. Tone arm features crystal turnover cartridge. Large $4^{\prime \prime}$ speaker for fine fidelity. Entire unit is housed in a 2-tone blue and white high Impact plastic case. Includes earphone for private listening. Dim.: $123^{\prime \prime}$ W $\times 81 / 4^{\prime \prime D} \times 27 \%^{\prime \prime H}$. Less batteries. Imported. Shpg. wt., 5 lbs.


## DELUXE PANASONIC SOLIDSTATE AC <br> - Beautiful Phonographs with Built-In Radios Go Wherever You Go

BATTERY-OPERATED RADIO/PHONOS

MOOEL SG.551 AC/8ATTERY AM RADIO-PHDND. Ideal for home, boat, beach, picnics, and parties. Features a deluxe 3 -speed monaural manual phono-plays $331 / 3,45$, and 78 RPM. Large $4^{\prime \prime}$ dynamic speaker for fine fidellty. All solid-state circultry. Excellent AM radio with precision sllde rule dial. Entire unit is housed In a handsome 2 -tone dark grey cabinet. Operates on 6 " $D$ " type batterles or regular 110 VAC house current. Slie: $35 / \mathrm{m} \times 12 \times 10 \% \mathrm{~m}$. Includes batteries. Imported. Shpg. wt., 7 lbs.
24 H 4102 \$5 monthly
Net 39.95
MDOEL SG.571 AC/BATTERY AM-FM RADIO.PHOND. Same deluxe features and size above as Model SG-551, except Includes quallty solid. state FM radio, an external speaker jack, and FM whip antenna. imported. Shpg. wt., 7 lbs.
24H 4103 \$5 monthily $\qquad$ Net 49.95 Extra Batteries for above phonos, 6 req. $\qquad$ Net ea. . 15

## PANASONIC "RIDGEWOOD" FM-AM STEREO PHONO SYSTEM

Model RE767 AM.FM Stereo Table Radio with 2 Matched Speaker Systems in Beautiful Walnut Cabinetry.

$$
99^{95}
$$

Model RD7673 4 Speed "MINI" Automatic Record Changer Mounted on Walnut Wood Base with Plastic Dust Cover.

## $39^{95}$

MDDEL RE767 AM.FM STERED TABLE RADIO. For those who appreciate fine modular design, and rich stereo sound reproduction. Separate full-range $61 / 2^{\prime \prime}$ speakers in matched walnut wood cabinetry permit placement anywhere in the room for true sound separation. AM/FM stereo radio provides 10W music power output; AFC on FM for drift-free receptlon. Illuminated FM stereo eye. Ferrite core AM antenna, line cord FM antenna. 34 solld state devices. Dim.: Radio$17^{\mu} \times 344^{*} \times 10^{*}$, Speakers $81 / 4 \times 8 \% / 4 \times 81 / 2^{\prime \prime}$. Imported. Shpg. wt., 24 lbs.
24 H 4106 wx $\$ 5$ monthly $\qquad$ Net 98.95

MOOEL RO7673 4-SPEED "MINI" AUTOMATIC RECDRD CHANGER. Mag. rificent companion for Model RE767. Changer is mounted on a walnut wood base and includes a beautifut plastic dust cover. Dim.: 16 haw $\times 91 / 2 \mathrm{D} \times 9^{\mu} \mathrm{H}$ (with dust cover). Imported.
24 H 4107w Shpg. wt., 12 lbs. Net 38.05

## harman kardon <br> \& *| SCOTT ${ }^{\text {© }}$ <br> Stereo Compacts

## NEW! HARMAN KARDON SC-6 SDLID STATE AM/FM STEREO COMPACT MUSIC CENTER

## $299{ }^{95}$

## No Money Down

- 50 Watt AM/FM Stereo Receiver
- BSR Automatic Turntable
- Beautiful Styled WaInut Compact Base

New, SC -6 comblnes a solid state 50 watt AM/FM stereo receiver, and a quality BSR/McDonald automatic turntable with an Empire diamond stylus stereo cartridge, mounted in a handsome walnut base. Frequency response, $20.23,000 \mathrm{~Hz}$. Tuner FM Sensitivlty, $2.9 \mu v$ IHF. Full set of audio controls. $181 / 4 \times 81 / 2 \times 161 / 4{ }^{\prime \prime} \mathrm{D}$. 21 i 4277 wx $\$ 15$ Monthly. Shpg. wt., 32 lbs.

Net 299.95
Model SC-6 Control Center and 2-lafayette "Criterion 20A" Speaker Systems. SAVE 36.50 from Individual Component Prices when you purchase the new Harman Kardon SC-6 with 2-Lafayette "Criterion 20A" speaker systems (see page 81 for complete description of 20 A speakers). Shpg. wt., 50 lbs.
21 H 4278WKM $\$ 17$ Monthly

## Net 307.95

## HARMAN KARDON SC-440 SOLID STATE AM-FM STEREO MUSIC SYSTEM

- 36-Watt AM/FM Stereo Receiver Plus Two $10^{\prime \prime}$ Speaker Systems
Capture the pure and spacious sound of stereo with this fine matched component stereo music system housed in beautiful olled walnut cabinets. Powerful 80 -watt AM-FM stereo recelver features bass, treble, and balance controls; contour and speaker switches; stereo tape output and front panel stereo headphone jack. Tuner has D'Arsonval tuning meter; automatic stereo Indicator llaht and built-in FM-AM antenna. The Garrard AT-60 automatic lurntable features automatic shut-off and a high compliance stereo magnetic cartridge. Each speaker cabinet has $10^{\prime \prime}$ long-excursion woofer and a $31 / 2$ " curvilinear tweeter to provide full rich sound. SPECIFICATIONS: EIA music power output: 80 watts. Frequency response: $\pm 1 \mathrm{db}, 15-25,000$ cps. Harmonic distortion: less than $1 \%$. FM sensitivity: $2.9 \mu \mathrm{~V}$ IHF. Multiplex separation: 30 db . Dimensions: Receiver/Tumtable module, $181 / 4 \mathrm{~W} \times 161 / 4 \mathrm{D} \times 5 \cdot \mathrm{H}$. Speaker systems, each $227 / 8 \mathrm{Hx} 135 / 6 \times 104 / 2^{*} \mathrm{D}$. For $110-120$ volts, 60 CDS AC . 21 H $4256 \mathrm{wx} \$ 19$ Monthly. Shpg. wt., 100 Ibs. Plastic Dust Cover for Model SC-440. Wt., 2 Ibs. 21 H 4257 W Net 399.50 SCOTT MODEL 2503 AM/FM 40 WATT SOLID STATE STEREO MUSIC SYSTEM Less Dust Cover


Higher power, more usable sensitivity for FM and delsxe stereo speakers are distinguishina hallmarks of the Scott 2503 all solldstate stereo compact. FM and AM tuners have field-effect transistor front ends. The Garrard automatic intermix record player features a deluxe Plckering magnetic cartridge with diamond stylus and a builtIn record brush resulting in optimum record protection. Amplifier power delivered to the speakers is 40 watts music jower. The speakers are the Scott S-10 units. Each features a $10^{\prime \prime}$ woofer and a $342^{\prime \prime}$ mid-range tweeter, frequency range is $35-18,000 \mathrm{~Hz}$. Control section dim.: $15^{\prime \prime} 0 \times 163^{\prime \prime} W \times 855^{\prime \prime} \mathrm{H}$. Each speaker: $2344^{\prime \prime} \times 13 / 4^{\prime \prime} \times 9^{\prime \prime}$. $120 \mathrm{~V}-60$ cycles. AC. Shpg. wt., 92 lbs.
21 H $5479 \mathrm{wx} \$ 19$ monthly
Net 399.95
Plastic Dust Cover for the 2503. Shpg. wt., 2 lbs. 21 H 5480W

Net 19.95


NEW! SCOTT MODEL 2504 36-WATT FM STEREO COMPACT MUSIC SYSTEM

$299^{95}$
No Money Down - Garrard Automatic Turntable A complete compact component system designed by Scott to provide maximum performance between speaker, amplifier, turntable and tuner. Features a 36 wati FM stereo recelver, and an automatic turntable with a Plckering magnetic diamond needle stereo cartridge, mounted in a walnut base. Also includes two matching walnut speaker systems, each contain a powerful $6^{\prime \prime}$ woofer and $3^{\prime \prime}$ tweeter. Receiver delivers wide-range response of $18.25,000 \mathrm{~Hz}$. FM sensitivity $2.2 \mu \mathrm{v}$. Complete audio controls, plus accurate d'Arsonval tuning meter, stereo FM indicator light, stereo headphone jack, tape recorder Jacks for $110-120 \mathrm{~V}$. 60 cycles AC. Dimensions: Control Center, $16^{1 / 4} \times 85 / 4 \times 15^{\prime \prime} 0$; Speaker systems each. $10 \times 16 \times 61 / 2^{\prime \prime} \mathrm{D}$. Shps. wt., 84 lbs.
21 H5481wx $\$ 15$ Monthly
Net 299.95
Plastic Oust Cover for 2514. Shpg. wt., 2 lbs.
21 H 5480 W

# Stereophonic Compact Music Centers 

NEW FISHER 150 SOLID STATE STEREO MUSIC SYSTEM


## - 35 Watt FM Stereo Receiver

New solld state Fisher-engineered FM Stereo Music Center. Features a high powered, fully integrated FM Stereo Receiver with facilities for adding a turntable and tape recorder. Also includes two high. efficiency Fisher speaker systems, Big illuminated D'Arsonval tuning meter and a full range of control facilities. Power: 35 watts thF

- Two Acoustically Matched Speaker Systems
at 4 ohms. Frequency Response: $\mathbf{2 5 - 2 0 , 0 0 0} \mathbf{~ H z}$. FM Sensitivity: $2.5 \mu \mathrm{v}$ Harmonic Distortion: $0.8 \%$. Handsome olled walnut cabinetry. Size of receiver and each speaker system is identical. $141 / 6 \mathrm{~W} \times 63 / 4 \mathrm{H} \times 81 / 2^{\prime \prime} \mathrm{O}$. Shpg. wt. 30 tbs.
21 H 3328Wx $\$ 15.00$ Monthly


## NEW FISHER 35 WATT SOLID STATE STEREO RADIO-PHONO MODULES



- Integrated Circuits (IC's)
- Field Effect Transistors
- BSR 4-Speed Automatic Turntable

COMPACT STEREO SYSTEMS FEATURING FISHER-MODULES AND LAFAYETTE CRITERION SPEAKER SYSTEMS


35 Watt FM Stereo Compact System 36495

35 Watt AM-FM Stereo Compact System $384^{95}$

Save 25.90 From Individual Catalog Prices on Either Deluxe System.
35 WATT FM STERED CDMPACT SYSTEM, Marvelous performing com pact FM Stereo Music System consisting of the Fisher 105 FM stereo phono Module and 2 Lafayette Criterion 50 Two-Way Speaker Systems (see page 81 for complete description of the Criterlon 50 speakers). Shpg. wt., 85 lbs .
21 H 333iWXM
Net 364.95
35 WATT AM-FM stereo COMPACT SYSTEM-Same deluxe compact system as above, but with Fisher Model 110 AM-FM Stereo Phono Module instead of the Model 105. Shpg. wt., 85 lbs.
21 H 3332 WMX $\qquad$ Net 38495

| Model 105 | Model 110 |
| :---: | :---: |
| 3295 | 34955 |
| FM Stereo Module | AM-FM Stereo Module |
| No Money Down | No Money Down |

Model 105 - Combines the power, flexibility, and convenience of a delaxe Fisher FM Stereo Receiver and a precision BSR McDonald 4-speed automatic turntable with magnetic diamond needle cartridge mounted in a handsome and elegantly styled walnut cabinet. The receiver section of the Model 105 incorporates the latest advances in FM stereo circuitry-an FET front end and integrated circuits (IC's). Features 4 -way speaker selector, 4 -position program selector separate balance control, headphone jack, and tape record/olayback connections. Response: $25-20,000 \mathrm{~Hz}$. FM sensitivity: 2.0 uv . Power 35 watts iHF at 48 . Harmonic distortion: $0.8 \%$. Dimensions: $173 / 4 \mathrm{~W} \times 7 / \mathrm{sH} \times 157 / \mathrm{m}^{\prime \prime} \mathrm{D}$. Shpg, wt. $251 / 2 \mathrm{lbs}$.
21 H $3329 \mathrm{WX} \$ 17.00$ Monthly
Model 110 -Same deluxe featu
Net 329.95
Model 110-Same deluxe features as Model 105 but includes AM Section as well as FM, Sizes: $17 \% / 6 \mathrm{~W} \times 7 \mathrm{~T} / \mathrm{H} \times 15 \%{ }^{\prime \prime} \mathrm{O}$.
21 H 3330wx Shpg. Wt., 26 lbs. $\$ 19.00$ Monthly
21 H 3333w Shpg, wt., 2 lbs.
Net 14.95

## FISHER MODEL 50B 30-WATT SOLID STATE PORTABLE STEREO SYSTEM



The Model 50B is a true high fidelity system housed in a durable royalite carrying case. Combines the high quality of a Fisher 30 watt solid state amplifier, a Garrard 4 -speed automatic turntable and a Pickering magnetic cartridge. The speaker system utilizes two $6^{\prime \prime}$ full range transducers which may be placed up to 20 feet apart. Front-panel headphone jack factlities. Both a tuner and tape recorder can be played through the Model 50B. Power Requirements: $105-120 \mathrm{VAC}, 50 / 60 \mathrm{cps}$. Size $243 / 4 \times 141 / 4 \times 8^{\prime \prime}$. Shpg. wt., 35 lbs . 21 H 3327WX $\$ 10$ Monthly

Net 199.50


## NEW! RK-580 Solid State Compact Stereo Music Center

One of the most exciting developments in the history of home entertainment hi.fi components from Lafayette - a complete compact stereo control center of professional standards containing all the facilities for virtually every type of major music source. The Lafayette RK-580 includes: 50 watt, 44 -silicon transistor FM stereo receiver with 2 -revolutionary IC's plus FET's in the tuner front end section; famous BSR McDonald 4 -speed automatic stereo turntable with Pickering V15/ AC-3 dustamatic stereo cartridge; plus a deluxe cassette stereo tape recorder. All components are housed in a beautiful walnut wood base. You can record direct from the FM stereo receiver or stereo record changer to the cassette recorder. The highly sensitive FM stereo receiver has IC's and FET's for improved rejection of unwanted signals, and to provide greater sensitivity $(2.5 \mu v$
(HF), resulting in superb reception. Amplifier delivers a clean frequency response of $20-20,000 \mathrm{cps}$. Deluxe BSR Mac[onald 500 turntable has cueing and pause control; plays 7. 10, 12" records at $162 / 3,331 / 3,45$ and 78 rpm . Cassette tape recorder assures ease of operation-no tape threading or reel turnover. Just insert a cassette cartridge and play or record up to 90 minutes of 4 -track stereo or mono music at $17 / 8 \mathrm{ips}$. For 110.120 V ., 60 cycles AC. Size: $261 / 4 \times 101 / 4 \times 183 /{ }^{\prime \prime}$ D. Imported. Shpg. wt., 50 lbs.
99 H 1555WX \$15 Monthly Net 299.95
Accessories For RK-580
Dynamic Mike. Wt., $11 / 2$ Ibs.
99 H 4602 ................................. 7.95
60 min. Tape Cart. wt., 3 oz.
99 H 1540 ..............................Net 1.35
90 Min. Tape Cart. wt., $30 z$.
28 H 0120
Net 2.20

ONIY

## NO MONEY <br> DOWN

with 60 minute cassette tape, and twa 6' cannecting cables

## Featurng

1 50-Watt Solid State FM Stereo Receiver
2 Casselte Slereo Tape Recorder
3 BSR MCDonald 500 4-Speed Aulamatic Stereo Turntable with Pickering Magnetic Cartridge
4 Eieganlly Styled Oiled Walnut Bose Housing All Camponents

ONLY

YOU SAVE 2000
from individual component prices
Deluxe system features the revolu. tionary Lafayette RK-580 stereo music center and 2-Lafayette Criterion 50 speaker systems (see page 81 for complete specifications of Criterion 50 speaker system.) Shpg. wt.. 106 lbs. $\$ 17$ Monthly 99 H 9936 WXM

# NEW! LAFAYETTE LRC-60 SOLID STATE COMPACT AM-FM STEREO RECEIVER-TURNTABLE CONTROL CENTER WITH FET'S AND 4 NEW REVOLUTIONARY IC'S 



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



- Powerful 60 Watt AM-FM Sterea Receiver
- Fomous BSR McDonald 500 Stereo Automatic Turntable
- Pickering V15/AC-3 Dust-A.Matic Sterea Cartridge With Diamond Needle
- Superbly Crofted Oil Walnut Wood Cabindfry


## ONLY <br> $219^{95}$

NO

## MONEY DOWN

An exciting new concept in the design and styling of Hi Fidelity components, uniquely engineered to meet the challenges of advanced space age circuitry. The LRC- 60 consists of a new Lafayette 60 watt AM/FM stereo receiver with FET front-end and 4 new 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 mag. nificent component Hi-Fi system.
Characteristic of the accent on outstanding quality the LSC-60 fills the demands for wideband transistor sound through the use of the most advanced and effective IC's (Integrated Circuits), plus FET's (Field Effect Transistors) in the tuner front end section. The IC's provide significantly better front end performance than conventional transistor circuitry, producing lower cross-modulation and cross-talk, improved rejection of unwanted signals and greater sensitivity due to lower inherent nolse.
Deluxe turntable features a coarse and sine adjustable counterweight to assure flawless tracking; cueing and pause control; plus a jam-proof design that eliminates readjust ment. Plays 7. 10 , or $12^{\prime \prime}$ records at $16 \frac{1}{3}, 331 / 3,45$, and 78 rpm . Amplifier delivers wide-range response of 20-20,000 cps $\pm 1$ db, plus full 60 watts IHF power. Impedence: 8 -16 chs $\pm 1 \mathrm{FM}$. Sensitivity: $1.8 \mu \mathrm{v}$ IHF; Capture Ratio: 1.25 db . Full set of 11 -audio controls, plus precision D'Arsonval tun. ing meter, automatic FM stereo/mono switching, stereo FM indicator light, stereo headphone jack, tape recorder jacks, and precision vernier 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: $163 / 8 \mathrm{~W} \times 7 \mathrm{H} \times 153 / 8$ "D. Imported Shpg. wt, 23 lbs
99 H $0189 \mathrm{WX} \$ 11$ Monthly Model LRC. 60 $\qquad$ Net 219.95

## NEW! LSC-40 Solid State Stereo Modular Hi Fi Phono System

- 4 Speed Autamatic Lofoyette Stereo Recard Chonger with Diomond LP Needle
- 2 Rich Sounding 2 Woy Speaker Systems
- Stereo Heodphone Jock For Privote Listening
- Stereo Tope Outputs-Stereo Tuner Input

A true solid 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 amplifler has 4 controls (balance, volume, bass, treble) as well as 4 Selector switches (on/off. Stereo/Mono/Tuner, remote/main speakers). Lafayette 4 speed auto. matic stereo changer plays $7{ }^{\prime \prime}, 10^{\prime \prime}$, and $12^{\prime \prime}$ records, and is elegantly designed with gold plated overarm, plus a gold inlay on the tone arm. Fea. tures: 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 $5 \times 7^{\prime \prime}$ woofer, a $21 / 2^{\prime \prime}$ tweeter, brilliance level control and has a full frequency range of 80 to $19,500 \mathrm{cps}$. Speaker Dim.: $6{ }^{\circ} \mathrm{W} \times 157 / \mathrm{g}^{\mathrm{W}} \mathrm{H} \times 91 / \mathrm{B} \times \mathrm{D}$. Amplifier/Changer Dim.: 193/0"W $\times 141 / 2^{\prime \prime} D \times 33 / 4^{\prime \prime} H$. ( $71 / 2^{\prime \prime}$ overall height to top of spindle). Superbly crafted oil walnut wood cabinetry, For $110 \mathrm{~V} 60 \mathrm{cps} A C$. Shpg. wt., 48 lbs .
24 H 0251WxM $\$ 5$ monthly _......... Net 99.95 Plastic Dust Cover for Lafayette LSC-40. 24 H 2301 wK Shpg. wt., 2 lbs. Net 7.95 24 H 020245 RPM Spindle ........................ 99


# $149^{95}$ (1) Deluxe Lafayette LS-44 Solid State Portable AM/FM/FM Stereo Hi-Fi Music Center <br> NO MONEY DOWN 

- 4-Speed Gorrord Automatic Intermix Stereo Changer
- 12-Woft Siereo Amplifier - Diomond Needle
- Solid State AM/FM/FM Stereo Tuner

Handsomely designed, deluxe solid-state, stereo hi-fi Music Center featuring an ali-transistor, dual 12 -watt, stereo amplifler with instant-on performance. AM/FM/FM stereo tuner and a Garrard 4 speed intermix record changer. Plays $16,331 / 3,45$, and 78 RPM records. Intermixes all size records of the same speed. Tunes in FM stereo broadcasts-for thrilling full-dimensional reallsm 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 $31 / 2^{\prime \prime}$

- Four Speokers-Two 6"Woofers, Two 31/2" Tweelers
- Stereo Tope Output - Input
- Automotic Shut-Off

Mode in U.S.A.
tweeter for rich, clean sound reproduction. Space-age styled case with hideaway changer is finished in black with a simulated walnut trim. Includes stereo turnover cartridge with diamond LP stylus. Size $233 / 4 \mathrm{~W} \times 15 \mathrm{H} \times 13^{\prime \prime} \mathrm{D}$. For $110-120 \mathrm{~V} 60$ cycles AC UL listed. Shpg. wt., 37 lbs.
24 H 0228WX $\$ 8.00$ Monthly
Net 149.95
24 H 021745 RPM Spindle for above phonograph ..........Net 3.80 24 H 0255 Replacement Needle for LS-44 1.69


# \& Refreshing New Styling 

## NEW MODEL LS-28 SOLID STATE STEREO PORTABLE PHONO

\author{

- Solid State Stereo Amplifier with 3 Controls <br> - BSR 4 Speed Automotic Intermix Changer <br> - 4 Wide Ronge Hi Fi Speakers <br> - Diomond IP Needle
}

Exclting, ., refreshing new look in phonograph styling, Exquisitely designed dropdown hide-away changer tray. Detachable "swing-out" speaker enclosure which can be spaced apart to achleve magnificent full dimensional stereo realism. BSR 4 speed automatic record changer handles all size records and will intermix $12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed in any sequence. Automatic shut-off after last record has been played, Tone arm is equipped with a VACO CN 75 wide range stereo turnover cartridge with diamond LP needle. Powerful solid state amplifier provides exciting stereo realism-3 audio control functions. Separate volume controls for left and right channel plus a tone control. Each detachable speaker contains 2-4" extended range speakers. Wood case is covered in handsome washable, scuff-resistant metaliic olive proxylin coated materlal. For $110-120$ volt, 60 cycles AC. Dim.: $212 / 2^{\prime W} \times 16^{\prime \prime} \mathrm{H} \times 71 / 4{ }^{\prime \prime} \mathrm{D}$. UL Listed. Shpg, wt., 24 lbs.
24 H 0250Wx \$5 Monthly $\qquad$ Net 64.95
24 H 022045 RPM Spindle for LS-28 Net 1.49
24 H 0254 Replacement Dual Needle for LS-28
Net 1.69

## NEW "MINI" MODEL LS-24 4-SPEED AUTOMATIC STEREO PHONO

\author{

- Exciling New BSR 4-Speed Automatic "Mini" Stereo Changer <br> - 8 Tronsistor Solid Stale Stereo Amplifier <br> - Diomond IP Needle
}

Bold modern design.... 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 elficiency. Features all new BSR 4-speed stereo automatic "Mini changer", with automatic shut-off. Plays all stze records. Intermixes $12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed, 2 separate $4^{\prime \prime}$ wide range speakers are acoustically balanced and spaced for true stereophonic full-dimensional sound. Powerful 3 control 8 transistor solid state stereo amplifier; volume left, volume right, and tone. Equipped with stereo turnover cartridge with diamond LP needle. Elegant sandalwood (Cordovan grain) with brown grill cloth. For $110-120 \mathrm{~V} 60$ cycles AC . Size: $271 / 2^{\prime \prime} \mathrm{L} \times 103 / 4$ "H $\times 61 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 19 lbs.
24 H $0252 \mathrm{WX} \$ 5$ Monthly $\qquad$
24 H 025645 RPM Spindle for LS-24 $\qquad$
Net 49.95
24 H 0238 Replacement Dual Needle for LS-24
Net 1.49 Net 1.75

## DELUXE MODEL LS-33 SOLID STATE STEREO HI-FI PORTABLE PHONO

- Iuxuriaus Styling-Emphasizes The Beauty of Your Phono
- Solid State Circuitry- 10 -Walt Stereo Amplifier
- GARRARD 4-Speed Automatic Intermin Changer
- 4 Speakers-Two 8" Woofers, Two 31/2" Tweeters Offer Exquisite Tone
- 4 Controls-Loudness, Balonce, Bass, Treble
- Detachable Speaker Enclosures - Diamond IP Needle

Our finest performing and best selling stereo phonograph. Luxuriously styled. Engineered with a fully solld-state circuit that offers "instant-on" and dazziling sound reproduction. Stereo amplifier gives 10 watts of power and has 4 controls -Loudneis, Balance, Bass, Treble. Each detachable wing contains one $8^{\prime \prime}$ heavy-duty woofer and one $32 / z^{\prime \prime}$ tweeter plus a built-in $7^{\circ}$ extension cord for wall-to-wall full-dimensional sound. Garrard 4 -speed automatic Intermix changer will handle all sizes and all speeds of both stereo and mono records. Intermixes difforent size records of the same speed. Automatic shut off, Wide range Vaco CN72D turnover stereo cartridge is equipped with a diamond stylus for LP and stereo records, and a synthetic sapphire stylus for standard 78 RPM records. Housed in beautiful all-wood case with simulated walnut and black scuff-resistant Pyroxylin coated material. Speaker grill is brown and gold. For 110 V 60 c AC. Size: $211_{4}{ }^{\prime \prime} \mathrm{L}$ (with speaker wings open extends to $42^{\circ \prime}$ ) $\times 12 \frac{1 / 2}{}{ }^{\prime \prime} \mathrm{D} \times$ $143 / 4$ "H. UL Listed. Shpg. wt., 40 lbs.
24 H $0227 \mathrm{WX} \$ 5$ monthly
Net 99.95
45 RPM Solindle for above
24 H 0217
Net 3.00
24 H 0254 Replacement Dual needle for LS-33
Net 1.69


## NEW L-10B

## 4-Speed Solid State Phono

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

Plays monaural records of all speeds... $334 / 3,45$, $162 / 3$ and 78 RPM... all sizes $12^{\prime \prime}, 7^{\prime \prime}, 10^{\prime \prime}$. 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 equipped with vaco dual turnover cartridge with 2 synthetic sapphire needles. Attractive two tone, blue and white washable Pyroxylln coated fabric. Dim.: $12 \frac{1 / 4}{}{ }^{\prime L}$ $\times 10^{\prime \prime} \mathrm{D} \times 5^{\prime \prime}$ high. $110-120 \mathrm{~V}, 60 \mathrm{cps}, \mathrm{AC}$. UL Listed, 24 H 0248 F Shpg. wt., 9 lbs.

Net 19,95


> Decorator Styled LS-18 3795 Automatic Portable Phono Made in UL Listed.

- BSR 4-Speed Mini Automatic Intermix Changer With Aulomatic Shul-Off
- Plays $16 \frac{2}{3}, 331 / 3,45,78$ RPM Records
- Powerful Solid State Amplifier

Defuxe, automatic, portable monaural phonograph with all new modern styling, Features exquisitely designed drop down hide-away changer tray. New BSR 4-speed automatic "MINI" record changer plays all speeds: $162 / 3,331 / 3,45$, and 78 RPM recordsall sires $7^{\prime \prime \prime}, 10^{\prime \prime}, 12^{\prime \prime}$. Intermixes $12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed in any sequence. Prectsion engineered solid state amplifier. Separate tone and volume controls, on-olf reject switch. Acoustically balanced $4^{\prime \prime}$ wide range speaker for clear tone with rich resonance. Dynamically balanced tone arm comes equipped with turnover cartridge with dual synthetic sapphire stylus. For $110-120 \mathrm{~V}, 60$ cycle AC. Size: $151 / 4{ }^{* W} \times 16^{\prime \prime} \mathrm{H} \times 73 / 4$ "D. UL Listed. Wt. 15 IDs . 24 H 0249WX $\$ 5$ Monthly

Net 37.95
24 H 025645 RPM Spindle for LS. 18 ........ Net 1.49
24 H 0238 Replacement Needle for LS-18 .. Net 1.75


## RK-810 Superb Quality Solid State Portable Recorder

## FEATURING 4 -Track Stereo Playback* <br> -Track Monaural Record/Playback <br> Engineered to provide virtually every tape

\section*{For Vertical or

## For Vertical or Horizontal Operation

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

NO MONEY DOWN

- 3.Speeds: $1^{7 / 6}, 3^{3 / 4}$ and $7^{1 / 2}$ IPS
- Record/Playback VU Level Meler
- 5-Position Selector Control for Rewind, Stop, Run, Fast Forward and Pause for Instant Editing
- 2-Heods: 1/4 Track LaminationType Record/Playback. 1/4 Track Double Gapped High Efficiency Erase
-3.Digit Tape Counter with Resel Button recording feature. Successor to our best selling and widely acclaimed Model RK. 137 series recorders, the all-transistor Model 810 now has an improved audio output of 2.5 watts. Easy-to-operate, the unit features: positive acting 5 .position, motor 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/playback, the RK. 810 plays back stereo tapes when used with a second channel external amplifier containing a tape head input. Takes 7" reels. Housed in an attractive textured solid vinyl case with built-in accessory compartment and carrying handle. For $110.120 \mathrm{v} ., 60$ cycles AC. Imported. Shpg. wt. 18 lbs
99 í 1527WX $\$ 5$ Monthly
Net 89.95
$7^{\prime \prime}$ reel of 1800' Lafayette Mylar Base Recording Tape. Shpg. wt., $11 / 4$ lbs.
28 H 0106
Net 2.49


## SPECIFICATIONS

Response: $40 \cdot 15,000 \mathrm{cps}$ at $71 / 2 \mathrm{ips}, 40 \cdot 10,000 \mathrm{cps}$ at $33 / 4 \mathrm{lps}$. Wow and Flutter: Less than $0.25 \%$ rms at $71 / 2$ ips; less than $0.35 \%$ at $33 / \mathrm{ips}$. Signal to Noise Ratio: 42 db . or better. Blas and Erase: 60 kc . Crasstalk: 55 db or better. Sensitivity: Mike, 0.6 mv ; Aux, 200 mv ; External speaker, 16 ohms. Motar: 4 -pole. Power Output: 2.5 watts. Dimensions: $11 \mathrm{~s} / 4 \mathrm{~W} \times 121 / 4 \mathrm{H} \times 62 / 3$ " D . Stereo headphone output jacks.


## OUTSTANDING FEATURES

1 Heads-Separate record/Playbock, Erase
2 Built-in 5" $53^{\prime \prime}$ Speaker
3 5-Position Selector Control
4 Pause Position for Instant Editing
5 Record/Playback VU Level Meter
6 Master Volume and Tone Control
7 Channel Selector Button
8 Record Sofety Button
9 Stereo Tape Head Output Jacks
102 Inputs (Mike s. Aux)
11 External Speaker Jack
123 Digil Counter with Reset Button
13 Push-Pull Speed Selector


## RK 815 3-Speed Solid State Portable 4 Track Stereo Recorder

## Superbly Styled . . . with These Outstanding Features



1/4-Track Lamination Type Record/Ploybock Stereo Head


Illuminated VU Motor Indicates Record/Ploy. back tovel for Tap Stereo Sound Results


1/4-Track Double. Gapped High Eificiency Erase Head

Our lowest price for a stereo high fidelity port able tape recorder with professional features it is built for portablilty and ease of operation. Solid-state circuitry permits instant play or $r \in c o r d$. Features three speeds, $17 / 33 / 4$ and $71 / 2$ IFs plus smooth running 4 -pole motor. Uses quality laminated 4 -track record/play head with druble gap erase head for thrilling stereo and mono records, sound-on-sound, sound-with-sound for voice language training and sound effects, Two built-in $5^{\prime \prime} \times 3^{\prime \prime}$ full range speakers, plus output jack for external speakers or stereo headphones. Easy-to-operate pushbutton controls for wU meter, "pause" for editing and culng, safetyilterlock to prevent accidental tape erasure and Mike/Aux input selector. Takes 7" reels. Moused In a handsome textured solid vinyl case with built-in accessory compartment and carrying handle. For 110.120 v., 60 cycles AC. Imported. Shpg, wt., 22 lbs.
99 H 1532WX $\$ 7$ Manthly
Net 129.95
7" reel of $1800^{\circ}$ Lafayette Mylar Base Recording Tape. Shpg. wt., 11/4 lbs.
36 H 0106
Net 2.49

Vertical or Horizontal Operation


NO MONEY DOWN

- 4-Track Stereo and Monaural
Record/Playback
- 3 Tope Speeds- $1 \%, 3 \%$ and $71 / 2$ IPS
- Sound-with-Sound
- Sound-on-Sound
- Separate Tone and Volume Controls for Each Channel
- 3-Digit Tope Counter with Reset Button


## SPECIFICATIONS

Frequency Response: $\pm 3 \mathrm{db}, 40-15,000 \mathrm{cps}$ at $71 / 2 \mathrm{ips} ; \pm 3 \mathrm{db}, 40$ 10.000 cps at $33 / 4$ ips. Wow and Flutter: under $0.25 \% \mathrm{rms}$ at $71 / 2 \mathrm{ips}$; under $0.35 \%$ at $33 / 4 \mathrm{ips}$. Signal-to-Nolse: Better than 45 db . Bias \& Erase Frequency: 60 kc . Cross Talk: Better than 55 db . Power Output: 5 -watts maximum. Input Sensitivity: Mike, 0.2 mv ; Aux, 100 mv . Monitor Output: 16 -ohm speaker or low impedance stereo headphones. Solld-State Circuitry: 10 transistors, 4 diodes. Dimensions: $11 \mathrm{~s} / \mathrm{h} \mathrm{W} \times$ $121 / 4 \mathrm{H} \times 62 / 3^{\prime \prime} \mathrm{D}$.


## RK-840 4-Track Solid State Stereo Pushbutton Recorder

## $169^{95}$

NO MONEY DOWN

- 4-Track Stereo and Monaural Record/Playback
- All-Transistor Stereo Circuitry with 6-Watts Output Power
- Sound-with-Sound
- Sound-on-Sound
- Automatic Shut-off
- 3 Tape Speeds: $7^{1 / 2}, 3^{3 / 4}$ and 1/3 IPS
- Stereo Headphone Moniforing Facilities
- Direct Record from Record Player with Magnelic Pickup
- 3 Digit Tope Counter with Pushbutton Resef

Designed to satisfy even the most critical music Ilsteners, Delivers magnilicent stereo performance. Can be operated either vertically or horizontally. Records and plays back stereo and monophonic tapes at three tape speeds, $7 \frac{1}{2}, 3 \frac{1}{4}$ and 17/ ips plus direct record/playback from a record changer or turntable with mag. netic phono cartridge. Also features sound on-sound, sound-with-sound; front panel jack for stereo headphone monitoring. Uses a rugged 4 -pole motor for smooth tape operation and features automatic shut-off at end of tape. Easy-to-use controls include: 5 position single lever motor control with "pause" and instant reset digital tape counter for precise editing, cutting and tape indexing; volume controls for each channel, master tone control, and separate, safety interlocking record buttons. Two VU meters assure accurate indi. cation of record/playback levels. HI.FI sound is provided by 2 full-range $5^{\prime \prime}$ speakers. Takes up to $7^{\mu}$ reels. In black leatherette covered wood case. Size: $153 / /^{\prime \prime} \mathrm{W} \times 14^{\prime \prime} \mathrm{H} \times 7 x_{4}{ }^{\prime \prime} \mathrm{D}$. For $105.125 \mathrm{v}, 60$ cycles AC. Imported. Shipg. wt., 27 ibs. 99 H 1529 WX $\$ 9$ monthly .......... Net 169.95 $7^{\prime \prime}$ reel of $1800^{\circ}$ Lafayette Mylar Base Re. cording Tape. Shpg. wt., $11 / 4$ lbs. 28 H 0106

Net 2.49

Frequency Response: $\pm 3 \mathrm{db}, 40 \cdot 18,000 \mathrm{cps}$ at $71 / 2 \mathrm{lps} ; \pm 3 \mathrm{db}, 40 \cdot 12,000 \mathrm{cps}$ at $33 / 4 \mathrm{ips}$. Wow and Flutter: less than $0.2 \% \mathrm{rms}$ at $71 / 2 \mathrm{ips}$; less than $0.3 \%$ rms at $33 / 4$ ips. Signal-to-Noise: 48 db or better. Bias \& Erase Frequency: 96 kc. Crosstalk: over 58 db . Power Output: 6 -watts. Input Sensitivity: 2-Mike phono, $0.2 \mathrm{mv}, 0.7 \mathrm{mv} ; 2 \cdot \mathrm{Aux}, 100 \mathrm{mv}$. Outputs: 2 -external amplifier; $2 \cdot$ exiernal speaker: stereo headphones. Solid-State Circuitry: 12 transistors, 4 diodes.



## RK-860 Professional 4-Track Solid State Stereo Recorder



> You will be proud to own this magnificent performing stereo recorder,-fabulous performance. superb quality and brilliant styling. Records and plays back stereo and monophonic tapes at three speeds. $71 / 2$. $33 / 4$ and $11 / 6$ ips. Features sound-on-sound and sound-with-sound plus direct stereo dise to tape copying through the special magnetic phono inputs. Also records directly from FM stereo tuners. Automatic shut-off at end of tape. Easy-to-operate controls include: 5 -position lever motor with "pause", instant reset digital tape counter for precise editing, cuing and tape indexing, dual volume and tone controls, pushbutton monitor speaker switches and safety interlocking recording buttons. Has two full range $5 \times 7$ "" speakers. Takes up to 7". reels. Housed in beautiful black leatherette covered wood case with silver melal trim. May be placed horizontally or vertically. Size: $153 / 1 / \mathrm{W} \times 14 \mathrm{H} \times 7 \% \%_{1} \mathrm{D}$. For 105-125v. 60 cycles AC. Imported. Shpg. wt.. 29 lbs.
> 99 H 1530 WX $\$ 11$ Monthly ........ Net 219.95 $7^{\prime \prime}$ reel of $1800^{\circ}$ Lafayette Mylar Base Recording Tape. 28 H 0106 Shpg. wt., $11 / 4 \mathrm{lbs}$....... Net 2.49

## SPECIFICATIONS

Frequency Response: $\pm 3 \mathrm{db}, 30-22,000 \mathrm{cps}$ at $71 / 2 \mathrm{lps} ; \pm 3 \mathrm{db}, 40-12,000 \mathrm{cps}$ at $31 / 4 \mathrm{ips}$. Wow and Flutter: less than $0.15 \%$ at $71 / 2$ ips; less than $0.25 \%$ at $33 / 4 \mathrm{ifs}$. Signal-to. Noise: 53 db or better. Blas \& Erase Frequency: 96 kc . Crosstalk: aver 60 db . Power Output: 12-watts. Input Sensitivity: '2-Mike, 0.2 mv, $0.7 \mathrm{mv} ; 2 . \mathrm{Aux}, 100 \mathrm{mv}$. Outputs: 2 -external amp.; 2external speaker; stereo headphones. Equallzation: NAB for $71 / 2$ \& $33 / 4 \mathrm{ips}$; RIAA for magnetic phono. Solid.State Circuitry: 14 transistors, 8 diodes.


## NEW Deluxe RK-960 "Automatic Reversing" Solid State Stereo Tape Recorder

INSTANTANEOUS AUTOMATIC OR MANUAL REVERSING IN RECORD OR PIAYBACK MODE

## ONLY

NO MONEY DOWN

- Dual Copstan Drive with Dual Drive Motors
- Sound on Sound, Sound with Sound, and Sound Monitoring
- Bi-Directianal Recarding and Playback
- 4-Track Stereophanic or Mono Record/Playback
- Solid State Amplifier Circuitry - 12 Watts Music Power
-4.Heads - 3-Speeds $17 / 2,33 / 41 / 2$ ips
- Two Sensory Switches for Automotic Tape Reversing System


## Lafayette's RK-960 Tape Reversing System Works on 1-Manual and 3-Automatic Reversing Positions In Either Record or Playback Mode.

1) Manual-Same as any tape recorder, but permits manual reverse at any point by depressing a button. Sensing metallic toil is disregarded.
2) Automatic 1 -Tope 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 leeds 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 - Tope continues changing (reversing) its direction at each end of the tace where the metaltic sensing foil is located.

## REVEASE POSITIONS

control all tape motion modes. Also has instant reset disital tape counter; 2 -studio type VU meters; stereo headphone jack; 6 -inputs: 2 . microphone/Magnetic P.U., 2-auxiliary, microphone and Auxiliary/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" D. Imported. Shpg, wt., 44 lbs. 99 H 1548 wi $\$ 15$ Monthly., Net 299.95 99 н 4588 Optional Dynamic Mine Net 14.95 $7^{\prime \prime}$ reel of 1800 ft . Mylar Base Recording Tape with reversing sensing foils.
28 H 0118
Net 2.69

Solld-State Cliccuitry: 22 transistors, 32 di- 50 db or better. Harmonic Distortion: Less odes. Record/Play Frequency Response: 30$22.000 \mathrm{~Hz} \pm 30 \mathrm{dD}$ at $71 / 2 \mathrm{ids} ; 40.16,000 \mathrm{~Hz}$ $\pm 3 \mathrm{db}$ at $33 / 4 \mathrm{ips}$. Wow and Flutter: Less than $0.25 \%$ rms at $33 / 4 \mathrm{ips}$. $\mathrm{S} / \mathrm{N}$ Ratio:
than $1.5 \%$. Bias/Erase Freq.: 96 kc . Cross. talk; Better than 60 db . Equalization: $71 / 2$ ips, NAB; $33 / 4 \mathrm{ips}$ RIAA. Input Imped.: Mic., 10K ohms; Mag., 45 K ohms: Aux., 500 K ohms.

Our most versatile, exciting and revolutionary new stereophonic tepe recorder...designed to glve the highest standards of performance and dependability. The Model 960 features 'Full Automatic Reversing ". Makes professional qual. ity recordings from AM, FM, FM Stereo broad. casts, 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 $17 / 1 \mathrm{ips}$. Two self-contained $5 \times 7$ " wide-range hi.fi speakers provide optimum stereo separation. Two 4 -pole induction capstan drive motors assure ultra-smooth, quiet drive. Feather-touch pushbutton operated solenoids

SPECIFICATIONS.

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


## RK-820 Solid State 4-Track Stereo Record/Playback Tape Deck



OUTSTANDING FEATURES

1) Heads: Separate 1/4-Track Record/Play \& Erase
2) Tope Reels: Up to 7 "Size
3) 5-Pasition Tape Mation Contral with "Pouse"
4) Push-Pull Speed Selector
5) Digital Tape Counter with Pushbutton Reset
6) Illuminated Record/Ployback VU Meters
7) Separote Record Volume Cantrals
8) Individual Record Safety Buttons
9) Stereo Microphone Inputs
10) Solid State Record/Ployback Preamp
II) Utility Base Included

Magnificent performing solid state tape deck per mits you to add the brilliance of 4 -track stereo phonic and monophonic tape recording and play back to your present hi-fi system at a remarkably low cost. Engineered and designed for vertical or horizontal operation. Features instant "on" solid state stereo record/play preamps with dual illuminated VU meters for accurate record/play level settings. Single-lever control selects fast-rewind stop. run and fast-forward plus "pause" for precise editing. Digital tape counter with fast pushbutton zero reset in editing and indexing. Rear pane preamp outputs, auxiliary inputs and front pane. mike input jacks are all readily acces. sible for easy hook-up. Takes $7^{\prime \prime}$ reels. In sturdy utility base ready to play. or install in custom installation. For $110 \mathrm{~V} . .60 \mathrm{~Hz} \mathrm{AC}$. Imported. 18 tbs. 99 H 1528 NX $\$ 6$ Monthly $\qquad$ Net 109.95
$7^{\prime \prime}$ Reel of 1800 ft . Lafayette Mylar Base Recording tape.
28 H 0106 $\qquad$ Net 2.49
Deluxe Oiled Walnut Wood Base for RK. 820 . Shpg wt., 4 lbs.
24 H 1214 W $\qquad$ Net 9.95
Dynamic mike
Shpg. wt, $11 / 2$ ibs 99 H 4602 $\qquad$ Net 7.95

## $109^{95}$

NO MONEY DOWN
Complete with
4 cannecting cables.
2 rubber reel cops.
7 7" toke-up reel.

- 4. Trock Stereo and Manoural Recard/Playback
- Separate Record/Playback and Erase Heads
- 3-Speeds: $7 \frac{1}{2}, 33 / 4,1 \%$ IPS.
- Aufomatic Shut Off
- Built-in-Solid-State Record/Playbock Stereo Preamplifiers
- Records 4-Trock Stereo or Mono from FM, AM. FM Stereo Radio or Phano Sources. Live fram Mikes
- Sound-with.Sound.

Sound-on-Sound

## SPECIFICATIONS

[^4]

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

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

- Tope and Input Source Selector Switch Permils Tape and Input Source Monitoring
- 3.Speeds: $71 / 2,33 / 4$ ond $1 \%$ IPS
- Sound-on-Sound-Sound-with-Sound
- 2 Sludio-Type Record/Playback vu Meters
- 4-Trock Siereo ond Monaural Record/Playback
- Separate Solid Stote Record and Ploybock Stereo Preamps
- 3-Heod Tape Iransport with 4-Pole Induction Molor

A truly outstanding Solid-State 3 head, 4 track stereo tape deck offering brilliant "concert hall" tape reproduction and playback. Enjoy thrilling saund-on-sound and sound-with-sound plus complete 4-track stereo and monophonic record/playback facilltes. 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 cueing. Other protessional features include: dual illuminated VU 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. TV, phono. Outputs for external amplifier. Takes 7 " reels. In sturdy utility base ready to play. For 110.120 v . 60 cycle AC. Imported. Shpg. wt., 18 lbs.
99 H 1534 WX $\$ 8$ monthly ......... Net 159.95 $7^{\prime \prime}$ reel of $1800^{\circ}$ Lafayette Mylar Base Recording Tape. 28 H 0106

Net 2.49
Deluxe Oiled Walnut Wood base for RK-830. Shpg. wt., 4 lbs.
24H1214W ............................... 9.95
Dynamic mike
994602 $\quad$ Wt., $\mathbf{N e t}^{12 / 2}$ lbs. 9.95
99 H 4602

## SPECIFICATIONS

Frequency Response: $\pm 3 \mathrm{db}, 40-18,000 \mathrm{cps}$ at $71 / 2 \mathrm{jps} ; \pm 3 \mathrm{db}, 40-12,000 \mathrm{cps}$ at $31 / 4$ 保. Wow and Flutter: less than $0.15 \% \mathrm{~ms}$ at $71 / 2$ ips; less than $0.25 \%$ rms at $33 / 4$ tps. Signal-to-Noise: - 50 db or better. Blas \& Erase Frequensy: 96 kc. Crosstalk: over 60 db . Inputs: (Each Channel) microphone, $0.9 \mathrm{mv}, 10 \mathrm{k}$ ohms; auxiliary, $300 \mathrm{mv}, 500 \mathrm{k}$ ohms. Outputs: (Each Channel) external amplifier, 0.9 v @ 03 k ohms. Size: $113 / 4 \mathrm{~W} \times 91 \mathrm{k} . \mathrm{H} \times 51 \mathrm{k}$ 。D; in base, $12 \mathrm{~mW} \times 10 \mathrm{~m} / \mathrm{H}$ $\times 6^{\prime \prime}$ D. 12 Transistors, 6 Dlodes.


## SUPERB FEATURES

## 1) 3-Heods?

1/4-Track Lominotion Type Stereo Playback Head 1/4-Track tamination Type Stereo Record Head 1/4-Track Double-Gapped High Efficiency Erose Head
2) Automatic Shut-off
3) Tope Reels: Up to 7" Size
4) 5-Position Tape Motion Control with "Pouse"
5) Digitol Tape Counter with Pushbutton Reset
6) Illuminaled Record/Playbock VU Melers
7) Separale fiosord Volume Controls
-8) Monitor Switch For Tape or Source
9) Individual Record Safety Buttons
10) Siereo Microphone Inpuls


## Deluxe Professional RK-880 3-Head Solid State 4-Track <br> EXCLUSIVE FEATURES Stereo Record/Playback Tape Deck

- Record/Playbock Selecior Bumon for VU Meters
- 4 Playback Tope Equalizations for All 3-Speeds
- 4 Recording Tope Equalizations for All 3-Speeds-71/2, 3\%/4, 1/4 IPS
- 2 Variable Record Bias Controls for Optimum Recording With any Brand of Tope


3-Heads: 1/4-Track 1 Micron Gap Precision Stereo Ploybock Head; 1/4Track Lamination Type Stereo Record Heod; 1/4-Track Double.Gopped High Efficiency Erase Head.


4-Pole Hysteresis Synchronous Motor -No Speed Deviation.

The finest lafayette stereo tape deck we have ever offared. Our ultimate performer, suitable for use with the very best in hi.fi components. Features professional variable blas and equall. zation controls to effect the optimum comblnation of extended frequency response, low distortion and high signal-to-noise ratio with virtually any recording tape. Three heads for 4 -track stereo and mono record and playback plus sound-on-sound and sound-with-sound, Monitor directly from tapes or source, Separate record and montor volume controls for left and right channels. Has 4 bullt-in solld-state stereo preamps; dual record-playback VU meters; digital tape counter with zero-reset button; hysteresls-synchronous motor and separate safety record buttons. SIngle. lever controls selects fast rewind, stop, run and fast-forward plus "pause" for precise editing. Front panel stereo headphone output jack. Hand. some olled walnut wood cabinet. 110-120 v., 60 cycles. Imported. Wt., 25 los. 99 H 1saiwx $\$ 12.50$ monthly $\qquad$ Net 249.95 Deluxe Dynamic Microphone with stand \& lavaller. 90 H 488 Shpg. wt., 3 lbs. $\qquad$ Net 14.95 7" reel of $1800^{\prime}$ Lafayette Mylar Base Recording Tape.
28 H 0106 $\qquad$ Net 2.49 SPECIFICATIONS
Frequency Response: $\pm 3 \mathrm{db}, 30-22,000 \mathrm{cps}$ at $71 / 2 \mathrm{ips} ; \pm 3 \mathrm{db}, 40-12,000 \mathrm{cps}$ at $33 / 4$ ips. Wow and Flutter: less than $0.15 \%$ at $71 / 2$ ips; less than $0.25 \%$ at $33 / 4$ ips. Signal-to-Nolse: over 53 db . Blas an Erase Frequency: 96 kc . Variable Bias: 0.3 ma to 1.5 ma . Crosstalk: over 60 db . Equalization: (playback) 4 posi tion $50,70,90$ and $140 \mu / \mathrm{sec}$; (record) 4 position 20, 16, 12 and 8 kc . Inputs: (both channels) mike-0.4 mv, 10 k omhs; mag. phono- $2.0 \mathrm{mv}, 50 \mathrm{k}$ ohms; Aux. -200 mv., 500 k ohms. Outputs: (both channels) external amp., low impedance headphones. Size: (in case) $157 / \mathrm{WW} \times 13 \mathrm{H} \times 7 \mathrm{~s} / \mathrm{c}$ " ; (less case) $113 / 4 \mathrm{~W} \times 11 \mathrm{H} / 4 \mathrm{H} \times 7^{\text {n }} \mathrm{D}$. For vertical or horizontal operation.

## Deluxe RK-142V Portable Tape Recorder

Improved model of our best selling RK-142 series of tape recorders. Has every convenience and feature for monophonic hi-fi recording! Now-operates vertically or horizontally at speeds of $33 / 4$ and $71 / 2 \mathrm{ips}$; takes up to $7^{\prime \prime}$ reels giving a maximum of $41 / 2$ hours of recording time on a $1 / 2 \mathrm{Mil} 2400$ ft . reel. Separate safety record pushbutton prevents accidental erasures. A specially designed lever-type switch controls Fast Forward, Rewind, Play/Record and Pause operation. Also has record level meter, and
capstan drive to assure recording of high quality. Jacks provided for microphone, phono and extension speaker, With large $4 \times 6^{\prime \prime}$ full range Hi -Fi speaker, dynamic microphone and patch cord. Finished in attractive edony scuff-resistant material. For $117 \mathrm{~V}, 60$ cycles AC. Imported. Size: $131 / 2 \mathrm{~W} \times$ $101 / 2^{\prime \prime} \mathrm{H} \times 61 / 4{ }^{\prime \prime} \mathrm{D}$. Shpg, wt., 18 lbs.
99 H 1541 wx $\$ 5$ Monthly $\qquad$ Net 59.95 28

- All Solid State
- Records Directly From Any Audio Program Source
- 2 Speeds- $33 / 4$ and $71 / 2$ ips
- Built-in $4 \times 6^{\prime \prime}$ Wide Range Speaker
- Output Jack for External Speaker
- Record Level Indicator
- Pause Control for Easy Editing
${ }^{\text {ont }} 59^{95}$
NO MONEY DOWN


## \$5 MONTHLY

## ACCESSORIES INCLUDED

Dynamic microphone, shielded connecting cable with clip leads, empty $7^{\prime \prime}$ reel.

SPECIFICATIONS
TAPE SPEED: 7.5 and 3.75 lps. S/N RATIO: -42 db or better at 7.5 ips tape speed. REWIND TIME: 5 min for 7" reel. FAST TAKE.UP TIME: 3 min. for $7^{\prime \prime}$ reel. RESPONSE: Record playback response essentially flat with tone at max. treble. WOW-FLUTTER: $0.2 \%$ or better at 7.5 ips : $0.3 \%$ at 3.75 ips. POWER OUTPUT: 2 watts. CONTROLS: on/off-tone; volume, record interlock button, speed selector, motor shift control with pause feature.

## New Lafayette RK-77 Solid State Cordless 4-Track Stereo Tape Recorder



- Takes up to $7^{\prime \prime}$ Reels
- 3-Speeds
- Battery or AC Operation
- 4-Track Stereo or Monaural Record and Playback
- 2 Large Studio Type VU Meters
- Push-button Operation
- 3-Digit Tape Counter with Push-bulton Reset

$$
139^{95} \underset{\text { NO MONEY }}{ } 13
$$

Comes with 2 dynamic mikes, 1 potch cord, 1 empty $7^{\prime \prime}$ take-up reel.
A handsome companion for people on the go... be the hit of your party! Brilliantly performing, push-button operated, stereophonic tape recorder... plays and records anywhere. Operates on selfcontained batteries or on standard 117 V ., 60 cycle AC house current. Records and plays 2 and 4 -track mono, and 4 -track stereo tapes at three speeds, $71 / 2,33 / 4$ and $17 / 8$ ips; records and plays up to 6 hours 24 minutes on $7^{\prime \prime}$ reel of $1800^{\circ}$ tape at $17 / 8$ ips. Separate color-coded record and lock button to prevent accidental erasure; dual VU type recording level meters. Individual tone and volume controls for each channel, permits adjustment of volume to suit your personal listening taste. Two built-in $6 \times 3^{\prime \prime}$ dynamic speakers give you true stereo hi-fidelity sound. Luggage type case finished in attractive ebony scuff. resistant material. Imported. Size: $141 / 2 \times 16 \times 7$ ㅇ. wt., 26 lbs . 99 H 1546WX $\$ 7.50$ Monthly $\qquad$ Net 139.95 99 H $6256^{~ " D " ~ b a t t e r i e s ~ f o r ~ a b o v e-~} 8$ required. Net ea. 15
$7^{\prime \prime}$ ree! of $1800^{\circ}$ Lafayette Mylar base recording tape.
28 H 0106
Net ea. 2.49
SPECIFICATIONS
TAPE SPEED: $71 / 2,33 / 4$ and $17 / 8$ ips. S/N RATIO: More than 38 db at $71 / 2$ Ips. REWIND TIME: 3 min. for $7^{\circ \prime}$ reel. FAST TAKE-UP TIME: 3 min . for 7" reel. POWER OUTPUT: 2 watts. INPUTS: (Each Channel) microphone 50 K ohms; auxiliary 470 K ohms. OUTPUTS: (Each Channel) extension speaker 8 ohms.



- Recards: 4 Track Stereo, 2 Trock Monourol
- Ployback: 4 ond 2 Track Stereo ond Monourol
- 3-Digit Tope Counter, Single Push Button Reset
- Automotic Shut Off Switch
- Solid Stote Stereo Record/Ploybock Pre-omplifier An exciting new tape recording home entertainment concept from Lafayette. You can now create your own private music library on new cassette cartridges as well as play prerecorded stereo and monaural cassettes with the superb Lafayette "PRO-540" stereo tape deck through your existing hi-fi system. No more threading and reel turnover problems. Simple to use-just snap in the cassette and you are ready to play or record 4 -track stereo or mono at $1 \frac{1}{2} \mathrm{ips}$. Makes amazingly clear voice and music recordings due to a unique jam-proof tape drive system-tape speed Is constant and smooth. Records and playsback up to 120 minutes per cartridge using both tracks. Exceptional features of the "PRO $540^{\prime \prime}$ are a full set of pushbutton controls for ali tape modes; Record, Play, Fast-Forward, Rewind, Pause, Stop, Cassette Ejector; plus a 3 -digit, pushbutton reset tape counter and a sensitive VU meter. Other features Include: Stereo/Mono
- Illuminoted Lorge VU Meter For Record/Playbock Level
- Push Button Controls (Record, Ploy, Fost-forword, Rewind, Pouse, Stop, Cossette Ejector)
- Record Sofety Button
input selector switch; 2-Mike, 2-Aux., inputs; 2-External Amplifier outputs; $1 / 4$ track lamination type stereo record/ play head; $1 / 2$ track double gapped high efficiency erase head. Frequency Response: $50.12,000 \mathrm{cps}$. $\mathrm{S} / \mathrm{N}$ ratio: better than 45 db . Wow/Flutter: less than $0.25 \%$. Overall distortion: less than $1.5 \%$ at -4 VU . Channel separation: better than 35 db . Erase ratio: better than 60 db . Bias/Erase Freq., 96 Kc. Sensitivity: Mike., 0.1 mv ; Aux., 300 mv ; Ext. Amp., 1 v . Impedance: Mike., 200 ohms; Aux., 500 K ohms; Ext. Amp., 3 K ohms. For $105 / 120 \mathrm{~V}$., $50 / 60 \mathrm{cps}$ AC. Size: $53 / 4 \mathrm{~W} \times 43 / 4 \mathrm{H}$ $\times 87 / \mathrm{m}^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 6 lbs .
99 H 1553WX $\$ 6$ Monthly "PRO. 540 " with Base.... Net 99.95 99 H 4602 Dynamic Mike for "PRO-540." $11 / 2 \mathrm{lbs}$. Net 99 H 1540 Lafayette 60 minute Cassette Cartridge Net 28 H 0120 Lafayette 90 minute Cassette Cartridge Net


## NEW! BATTERY OPERATED CASSETTE RECORDER

- VU Meter, Bottery Life Indicotor


## - Fosit Forword/Rewind Coniral

Operotes on Botteries or AC with Optional Adopter
Beautifully styled and engineered to operate on batteries or AC current (with optional AC adapter). Transistorized and compact size; perfect for on thego recordings at home, school or office. Makes finequality voice and music recordings. Uses easy drop. in cartildge loading; no tape threading necessary. Records up to 90 minutes (both tracks) at $1 \% / 8$ ips. Separate controls for Fast Forward/Rewind, Stop/ play plus safety record switch. Allows perfect recordings with level meter that also checks batteries. Added features include: Capstan drive; remote control dynamic microphone; earohone jack; and external speaker outlet. Specifications: 5 -transistors, 1 -diode, 1 -varistor clircuitry; Power Output: 300 mw ; Recording System: DC bias; Erase System: DC erase; Power: $6{ }^{\text {"AA"" batteries. Size: } 2 K / 6 \times 4 \%} / 6 \times 13 / 16 " D$. Imported. Shpg. wt., $2^{1 / 2}$ lbs.
27 H290iL $\$ 5$ Monthly
Net 59.95
AC Adapter for above. Wt., $1 / 2$ Ibs. 27 H 2902

Net 6.95
Extra "AA" balteries for above ( 6 req.)
99 H 6258
Net ea. . 10 Lafayette 60 minute Cassette Cartridge wt. 30 oz .
99 H 1540 ............................................................... 1.35
Lafayette 90 minute Cassette Cartridge wt., 3oz.
28 H 0120.

# Nore/co ${ }^{\circ}$ Solid State Cassette Cartridge Recorders famous model 150 Portable cartridge carry.corderm 

## SALE! $69^{50}$

## SAVE 20.00

was 89.50 in 1967 catalog 670

A marvel of tape recorder engineering. Extremely lightweight weighs less than 3 lbs. including batteries. Carry It everywhere. ideal for students, salesmen, busy executives. Records voice and music on 2 tracks at $17 / \mathrm{ips}$ with perfect fidelity. Fully transisforized for instant record/playback. No warmup. Easy to use. Single master control starts, stops, winds and rewinds tape. Microphone has iemote switch for start-stop. 300 ft . triple-play tape cartridge provides up to 1 hour play-/record time, can be removed at any time - nis need to wind or rewind tape. Uses 5 " C " size flashlight cells. Fas recording level/battery life meter. Can be used with external ampliffer, headphones. Complete with mike, patch cord, vinyl carrying case, 1 -tape cartridge and separate microphone pouch. Size $73 / 4 \times 41 / 4 \times 21 / 4^{\prime \prime}$. Imported. Shpg. wt., 4 lbs.
27 H 4804L
$\$ 5.00$ monthly
Nel 69.50
99 H 6257 "C" Type Battery, 5 required
Net ea. . 14
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 remo e Carry-Corder and take it with you wherever you go. $111 / 2 L \times 3 D \times 51 / 2$ 'W imported. Wt., 3 lbs.
27 H 4815 L
Net 24.95


COMPLETE WITH: Mike, Deluxe Carrying Case and Mike Pouch. tape cartridge \& Patch cord.

## DELUXE MDDEL 175 PORTABLE CORDLESS CARTRIOGE RECDRDER

## ${ }^{\text {ontr }} 89^{50}$

With Mike, Tape Car- tridge and Patch Cord

## No Money Down

New deluxe cordess compact cartridge tape recorder. Features solid state circuitry for instant "on" operation; 2 track record/playback. Capstan drive for constant $17 /$ ips tape speed. Large $4^{\prime \prime}$ speaker for outstanding sound, Separate fasl/forward/rewind, volume, tone, recording level controls. Recording level/battery life meter. Record safety lock button. Operates on 6 " $D$ " batt. (not Includec). Freq. Resp.: $80-10,000 \mathrm{~Hz}$. AC input jack. $111 / 4 \times 91 / 2 \times 23 / 4^{40}$. Imported. 27 H 4821 w \$S Monthly. Shpg. wt., 6 lbs Net 89.50 99 H 6256 " $\mathrm{O}^{\prime}$ Batt. for 175-6 req.

Net e3. .15

## MODEL 450 STEREO CARTRIDGE TAPE RECORDER


ony $199^{50}$
No Money Down

- Uses Philips Cassette Tape Cartridges for Fast Easy Loading
- Two Satellite Speakers in Matching Teak Cabinets
Famous Norelco quality! Fully transistorized, records and playsback in both stereo and mono; records up to two hours per cartridge at $17 / 8 \mathrm{ips}$ (four tracks). Features pushbutton loading of cassette cartridges and pushbutton controls for record, fast-forward, rewind, pause, stop and power On/Off. Has stereo record level control; tone, loudness and balance; digital coubter with automatic zero reset V.U. meter. Can be used as a public address system. Frequency Response: $60 \cdot 10,000 \mathrm{cps}$. Inputs: Mike. Radio/ Phono (stereo). Dutputs: Speakers, Line (stereo). Beautiful teak cabinetry with stereo mike blank cartridge. For $110-120 \mathrm{~V} ., 60$ cycles AC. Size: $121 / 2 \times 81 / 2 \times 31 / 2$. Shpg. wt., 17 ibs . Imported. 27 H 4820wx $\$ 6.50$ Monthly

Net 199.50
99 H 1540 Lafayctte blank tape cartridge for model 450 Net 1.95
Lafayette Has the Finest Selection of Tape Recorders

MODEL 350 AC CARTRIDGE RECORDER


Advanced New Solid State AC Cartridge Recorder. $17 / \mathrm{B}$ ips Tape speed, features positive action pushbuttons for easy selection of: Record, play, fast-forward and rewind, tape pause and stop; adjustable tone and volume controls. Features a built-in modulation in. dicator, 3 -digit counter with zero reset. manual or automatic modulation control and built-in speaker. Fuli array of plugs and sockets for input/output facllities. $60-10.000$ cps response. With dynamic microphone. For $110-120 \mathrm{v}$. 60 cycies AC. $14 \frac{1}{2} \times 81 / 2 \times 31 / 2^{\prime \prime}$. Imported. Shpg. wt., $81 / 2 \mathrm{lbs}$.
27 H 4816wX $\$ 7.00$ monthly
Net 129.50
ACCESSORIES FOR NORELCO TAPE RECORDERS

| Stock No. | Oescription | WL | Net ea. |
| :---: | :---: | :---: | :---: |
| 99 H 1540 | 60 minute blank tape cartridge | 602. | 1.35 |
| 27 H 4817 | 90 minute blank tape cartridge | 6 oz . | 3.75 |
| 27 H 4808 | -BE50 AC adapter | 1 lb . | 19.90 |
| 27 H 4812 | FP86 Foot pedal | 1 lb . | 17.75 |
| 27 H 4813 | HP86 Listening headset | 1 lb . | 12.75 |
| 27 H 4814 | TP86 Phone pick-up coll | 6 oz . | 6.35 |
| 27 H 4822 | CTM-86 Close talking mike | 1 lb . | 29.25 |

# Solid State Portable Tape Recorders 

 With Remote Control Mike, $3^{\prime \prime}$ Reel of Tape, $3^{\prime \prime}$ Empty TakeUp Reel, 6 "C" Type Batteries
PANASONIC 2 SPEED RQ 113S

## BATIERY POWERED, CAPSTAN DRIVE RECORDER

Compact and lightweight. 2 speeds, $31 / 4$ and $17 / 3$ ips. Large $31 / 4^{\prime \prime}$ speaker. Features include: automatic recording level control, semisound monitoring system, fast forward, fast rewind, recording level indicator. Dperates on six "C" batteries or 117 V 60 cycle AC with optional adapter. Size: $81 / 2 \times 101 / 2 \times 3^{\prime \prime} 0$. Imported. Shpg. wt., 6 Ibs. 27 H 1201 L Net 29.95 99 H 6257 Extra "C" Batteries for above (5 req.) __ Net ea. . 14 27 H 0104 Voice Operated Mike for above, wt., 2 lbs. __ Net 19.95 27 H 1207 AC Adapter for above, wt., 1 lb.

Net 6.95


## CRAIG MODEL 212 2-SPEED PORTABLE TAPE RECORDER

Widely acclaimed, solid state, 2-speed monaural tape recorder. Operates on batteries (Not included), or, 117 VAC current with accessory AC adapter. Features constant speed capstan drive; automatic level control; speeds $33 / 4$ and $17 / 0$ ips - allows up to four hours recording time on $344^{\prime \prime}$ reels. Power output; 750 milliwatts. Has input for mike-remote footswitch; outputs for earphone and external $8-0 \mathrm{hm}$ speaker. Supplied with accessory pouch, mike, reel and tape. Size: $77 / 8 \mathrm{~W} \times 93 / 40 \times 31 / 3$ H. Imported.
27 H 2704 L \$5 Monthly
Net 38.88

27 H 2705 L AC Adapter for Cralg 212 Net 4.95
CONCORD F-20 BATTERY OPERATED "SOUND CAMERA" ONLY

with Mike

- Up to 30 Minutes Recording Time

Really portable-the $\mathbf{F - 2 0}$ goes anywhere; to school. In a briefcase, on a trip. Features relliable solid state circultry, "flux. field" head for wide frequency response and variable speed control. Records up to 30 minutes on standard $27 /{ }^{\prime \prime}$ " reel. Easy finger-tip control of transport functions. Includes dynamic microphone, built-in speaker, empty reel and earphone jack. i'ses penlight cells (see betow). Size: 630x ? $1 / 2 \times 41 / 2^{\prime \prime}$. Imported. Shpg. wt., 4 lbs.
27 H 3510 L $\qquad$ Net 19.7
27 H 3505195 ft . reel of tape _... Net.
Batteries for F-20 (4 required)
Net ea.
.10

- 2 Speeds
- Digital Counter
- Pushbutton Operation
- Exclusive, EASY-MATIC Switch Permits

Recordings to be Made Without Adjusting the Recording Level
Always ready to record. This solid state, vertically operated recorder records up to 2 hours on $5^{\prime \prime}$ tape at $17 / 8 \mathrm{ips}$. Also $33 / 4$ speed. Sound monitoring system. 33/4 PM dynamic speaker. VU meter. Operates on 4 " 0 " flashlight batteries or 117 V 60 cycles AC. Complete with bar type dynamic remote control microphone with case, $5^{\prime \prime}$ tape, take.up reel; $4^{\prime \prime} 0^{\prime \prime}$ cells, radio cord, splicing tape. Size: $12 \mathrm{H} \times 111 / 2 \mathrm{~W} \times 4^{\prime \prime} 0$. Imported. Shpg. wt., 8 lbs.
27 N $1202 \mathrm{~L} \$ 5$ monthly $\qquad$ Net ea 15
99 H 6256 Extra " $D^{\prime \prime}$ Batteries (4 required)
Net ea. . 15
Voice Operated Mike for above. Wt., 2 Ibs. $\qquad$ Net 19.95

# CONCORD Tape Recorders 

NEW MODEL 776D 4 TRACK STEREO AUTOMATIC REVERSE TAPE DECK ONIY 23950 DOWN

Plays and Records in Both Directions for up to 6 Continuous Hours
-4 Heads-2 Flux-Field 4 Track Stereo Recard/Play, 24 Track Stereo Erase

- 2 VU Record Level Méters
- Professional Solid State Preamplifiers
- Sound With Sound Recording

Automatic "Reverse-a-Track" with electronic shut-off allows up to 6 hours of uninterrupted listening pleasure and eliminates reel turnover and rethreading. Has stereo inputs for radio, record player, TV, or microphone. 2 speeds: 71/2, 37/4 ips. Wow and flutter: less than $.15 \%$ at $71 / 2$ ips. Frequency response: $30-20,000$ cps at $71 / 2$ lps. Reel capacity up to $7^{\prime \prime} .20^{\prime \prime} \mathrm{W} \times 13^{1 / 2} \mathrm{H}^{\mathrm{H}} \times 7^{\prime \prime} \mathrm{D}$. Wainut cabinet. Imported,
27 H 3525 WX Wt., $291 / 2$ (bs. $\$ 11.50$ Monthly $\qquad$ Net 239.50
Model 776 Automatic Reverse Recorder. Same as 7760 bul completely self contained with built-in power amplifier and twin detachable speaker systems. Includes 2 dynamic mikes with mike stand. Dim. $13^{\prime \prime} H \times 20^{\prime \prime} \mathrm{L} \times 61 / 2^{\prime \prime} \mathrm{D}$. Speakers, $61 / 2^{\prime \prime} \mathrm{L} \times 13^{\prime \prime} \mathrm{H} \times$ $61 / 2 " D$. Imported. Shpg. wt. 45 lbs.
$27 \mathrm{H} 3520 \mathrm{Wx} \$ 15.00$ Monthly
Net 299.50
New! Model 720 Solid State Stereo Recorder with Built-In FM Stereo Tuner

> ONLY

- FM Stereo Listening or Mono/Stereo Recording Direct

Fram Tuner without external alfochments

- Rich, Walnut Cabinelry
- 2 Defachable Hi-Fi Bookshelf Speaker Sysiems

Elegantly styled Solid State Home Music center. Records and plays 4 -track stereo or mono at $71 / 2,33 / 4$ and $17 / 8$ lips. Features FM. Multiplex Tuner for listening, or direct recording of stereo or mono broadcasts without external attachments. Other fine features include: 3 digit tape counter, automatic shut off switch, stereo Indicator, 2 VU meters, program selector, tape mode selector, FM mode selector, flux fleld heads, and tone control. SPECIFICATIONS: Frea. Response- $50-16,000 \mathrm{cps}$ at $71 / 2 \mathrm{ips}$, Wow/Flutterless than 2 at $71 / 2$. ips, $5 / \mathrm{N}$ Ratio-better than 45 db , Power Output-10 watts, Reel Size-up to $7 \%$. Outputs for steres headphones and external amplifier. Complete with 2 dynamic mikes, 2 mike stands, 2 patch cords, $7^{\prime \prime}$ take-up reel. For 117 V ., 60
 27 H 3523WX $\$ 12.50$ Monthly
Tape Recorders Are Available on Easy Pay Plan-No Money Down
Model F-90 Solid State AM Radiocorder

- Simultaneously Play and Record AM Radio Broadcasts
- AC or Battery Operation
- 2 Speeds, $3 \%$ and $1 \%$ Takes Reels up to $3 \frac{1}{4}$ "
$69^{50}$
NO MONEY DOWN


Record your favorite $A M$ radio news features and music, and playback instantly. Solid state, portable, lightwelght, pushbutton controls. Records and plays anywhere. Operates on 4 " C " Batteries or standard 117 VAC household current. Battery automatically disconnected when AC plugged in. Level indicator meter also indicates battery condition. Output: two watts. Superheterodyne circuit in AM radio. With remote mike and stand. Imported. Wt., 10 lbs. 27 H 3521 \$5 monthly Net 69.50 99 H 6257 "C" Batteries for F-90 (4 required) Net ea. 14

Model 300 AC/DC Solid State "Reverse-a-Track" Recorder

## SALE $69^{50}$

WAS 99.50
1967 CATALOG 670

- Recording and Playback in Both Directions
- Takes Reels up 10 $4^{\prime \prime}$


SAVE $\$ 30.00$ ON THIS EXCITING RECORDER. Records, plays back up to 6 hours. "Reverse-a.Track" doubles recording and playback time-eliminates reel changing, tape threading. Includes stop/ start remote control microphone. Features recording level-battery condition meter; fast tape-scanning forward and reverse; high fidelity sound; acoustically matched speaker, aux. Input jack for direct recording from radio, phono, IV; with carrying handle, microphone, mike case, $4^{\prime \prime}$ reel. $3^{\prime \prime} \times 10^{\circ} \times 9^{*} \mathrm{~W}$. Imported. $71 / 2 \mathrm{lbs}$. 27 H $3516 \mathrm{~W} \times \$ 5$ monthly

Net 69.50
99 H 6257 "C" Batteries for 300 ( 6 required) ...Net ea. 14 27 H 3513 Model VM-10 Voice Actuated Mike for $300 \ldots$ Net 19.95

# SONY <br> Stereo Tape Decks \& Recorders 



## SONY MODEL 250-A SOLID STATE

 STEREO TAPE DECK

- Beautiful Walnut Finished Base - 4 Track Mono and Stereo Record and Playback
No Money Down - Two VU Meters


#### Abstract

A completely transistorized stereo tape deck with a black and brush satin chrome finish on a walnut base. Includes 4 track mono as well as 4 track stereo playback and record. Features true Capstan drive. FM stereo inputs, pause control, automatic shut off and tape counter. Also an automatic tape lifter for longer head life. Specifications: Speeds-71/2 and $33 / 4$ ips., Response $50 \cdot 15,000 \mathrm{cps}+2 \mathrm{db}$, $\mathrm{S} / \mathrm{N}$ better than 50 db . Flutter and Wow less than $0.15 \%$. Takes reels up to $7^{\prime \prime}$. Inputs for two mikes. 117 V 60 cycle AC.Imp Shpg. wt., 19 lbs. 141/2Wx111/0Dx 61/2"M. 27 H 6008wx $\$ 7.50$ munthly 27 H 6015 F96L mike for $250-\mathrm{A} 1 \mathrm{lb}$. 27 H 6019W Plastic dust cover for 250A. 2 lbs. Net 10.50




SONY MODEL 350 SOLID STATE 3 HEAD STEREO TAPE DECK

- Professional 3 Head Design
- Tape Source Monitor Switch
- Sound-On-Sound

Complete 4 track recording and playback of stereo and mono tapes. Features fully transistorized record and playback pre-amplifiers Two VU meters for precise recording levels, tape source monitor switch for comparison of source and tape being recorded. Pause control and digital tape counter permit editing, cueing and tape indexing. Automatic shutoff at the end of tape. Headphone jack. Two speeds $37 / 4$ and $71 / 2$ lps. Inputs: 2 Low level mic., 2 High level. Outputs: 2 Line, 1 binaural monitor. Size: $177 / 0 \times 121 / 14 \times 61 / 2^{\prime \prime}$ For 117 VAC. 60 cycles. Walnut base. Imported. Shpg. wt., 18 lbs 27 H 6011 WX $\$ 9$ monthly

Net 179.50
27 H 6015 F96L mike for $350 \quad 1 \mathrm{lb}$............ 10.50 27 H 6019W Plastic dust cover for 350. 2 lbs. .............. Net 3.95

## NEW! SONY 560-D SOLID STATE E.S.P. AUTO REVERSE STEREO TAPE DECK

## Only 209.60 Automatic Reverse in Record 29950 or Playback Mode

Professional 4 -track solid state stereo tape deck featuring exclusive Sony E.S.P. automatic reverse in either record or playback mode. 4-track stereo/mono record and playback. Mounted in beautiful walnut finished base. 3 speeds: $71 / 2,33 / 4,17 / 8$ ips. Features: Sound-with-sound; dual capstan drive system with Sony retractomatic pinch roller; Sony servocontrol motor; stereo headset jack; 2 VU meters; separate bass and treble control; digital tape counter, and automatic sentinal shut-off after tape has made complete reverse cycle. Takes reels up to $7^{\prime \prime}$. Inputs: Mike and 2 aux. $161 / 8 \times 61 / 50 x$ $15 \%$ i.: Imported. Shpg. wt., 30 lbs. For 117 VAC $50 / 60 \mathrm{cps}$.
27 H 6026 WX \$15 Monthly
Net 299.50 27 H 6015 Sony F96L Mike for 560.0 wt . 1 lb. .............Net 10.50 Model 560 STEREO E.S.P. REVERSE RECORDER. Same as 5600 , but with stereo control center pre-amplifier. amplifier, detachable speakers and 2 mikes. Less walnut base. Dim.: 201/2x11\%4 $\times 171 / 3{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wl., 54 lbs. For 117 VAC $50 / 60 \mathrm{cps}$. 27 H 6027WX $\$ 19.00$ Monthly

Net 399.50

NEW! 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 playback tape system featuring built-in solid state stereo control center with 20 -watt stereo amplifier. Complete input and switching facilities for the connec. tion of external stereo hi.fi components such as magnetic phono cartridge, tuner-radio, TV; PA and mike. Two lid-integrated full range speaker system that may be separated up to 15 feet; three speeds $71 / 2,33 / 4$, and $17 / 2 \mathrm{ips}$; left, right and stereo speaker modes; retractomatic pinch roller for unequaled threading ease; tone control; stereo headset jack; automatic sentinal end-of-reel shut off; sound with sound; digital tape counter; takes reels up to 7"; two VU meters. Output, external speakers (2), Ine output 2 ; stereo headphone. $17 \times 95$ 色x $14^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 32 ibs. For 117 VAC 60 cps. Includes 2 Sony F. 45 cardioid dynamic mikes. 27 H 6028wX $\$ 11.00$ Monthly

## Deluxe sony superscope Monaural Tape Recorders



NEW! SONY SOLID STATE SERVOCONTROL 860 PORTABLE BATTERY/AC RECORDER - Sonymatic A.R.C. Automatic

## Only

$129^{50}$
No Money Down Recording Control

- 2 Speeds - $33 / 4$ and $17 / 8 \mathrm{ips}$.
- Piano Key Push-Button Operation
- Takes Reels Up To 5"

Exciting new dual track mono recorder provides complete flexibility and versatility. The Sony servocontrol motor maintains speed and timing accuracy at all times. Features: Built-in $A C$ converter for household current operation. Comes with 8 " $D$ " batteries. Auxiliary high-level input for recording from TV. radio or other high-level sources. Sound monitoring. Digital tape counter. Remote start/stop on mike. Direct capstan drive and safety record interlock. Complete with Sony F. 85 cardioid dynamic mike. Imported. $121 / 4 \times 41 / 6 \times 101 / 4^{\prime \prime}$. $27 \mathrm{H} 5029 \mathrm{wx} \$ 7.00$ Monthiy. Shpg. wt., 13 lbs. ......Net 129.50 27 H 6030 W LC. 8 Carrying case for 860 wt .. 2 lbs. Net 24.50 99 H 6256 Extra "D" batteries for 860 - 8 req. Ea. Net .15

## SONY MODEL 104 SOLID STATE MONO PORTABLE RECORDER

Only<br>- 3 Speed - $71 / 2,333 / 4,17 / 8 \mathrm{ips}$<br>$109^{50}$<br>- Automatic Recording Control<br>- Takes Reels Up To 7"

No Money Down<br>- Pause Control - Digital Counter

Heavy-duty, 3 -speed dual track mono recorder. Automatic recording control adjusts recording level to insure perfect recordings every time. Tape lifter prevents head wear. Record safety interlock prevent's erasure of tape. Automatic tape shut-off. Speeds of $71 / 2,33 / 4$ and $17 / 8$ ips. Takes 7 " reel. Powerful 10 watts of solid state playback power. Adjustable tone and pause controls. Model 104 can be used for public address. For 110 V AC 60 cycle. With Dynamic microphone. Size $61 / 2 \mathrm{H} \times 16 \mathrm{~W} \times 10^{1 / 4^{\prime \prime} \mathrm{D}}$. Imported. Shpg. wt., 21 lbs . 27 H 6012wX $\$ 6$ monthly
Model HE-2 Universal Head Demagnetizer, Wt., 2 lbs,
27 H 6024
Net 109.50
Net 7.95

## "SONYMATIC 100"AC/DC CASSETTE-CORDER

- Operates on Batteries or 117 VAC
- Battery Level and Recording Modulation Meter
- A.R.C. (Automatic Recording Control)

Another great performer from Sony-all solid-state, portable. 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 play-back 60 -minutes of voice or music. Features: Push.button controls for record, Fast Forward, For. ward (Play), Rewind and stop; separate controls for Tone and Volume; push-button lid 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: Bulit-in 117 VAC converter for complete flexibility of battery or household current operation. Uses 4 "D" cell batteries. Imported. 5" W X $91 / a^{" \prime} \mathrm{~L} \times 21 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $51 / 2 \mathrm{lbs}$.
27 H 6021 WX $\$ 5$ Monthly
Net 99.50
Accessories For Sonymatic 100
8P-9 Rechargeable Nickel-Cadmium Batt. Pack. Shog. wi.. 2 lbs.
27 H 6022 Net 14.95
27 H 6023 FS-5 Foot Switch. Shpg. wt., 1 lb. Net 6.95
99 H 1540 Lafayette 60 Minute Tape Cartridge wt. 4 oz.... Net 1.35 99 H 6256 Extra "D" Type Batterles (4 req.)

## NEW! SOLID STATE SONYMATIC 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; built-in mike; and speaker, 2 track mono record and Playback. Speed: $17 / 0$ 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. $3 K_{0} \times 1{ }^{14} 3_{2} \times 5 \%_{0}{ }^{\prime \prime} \mathrm{D}$. Shpe. wt. $31 / 2$ lbs.
27 H $6031 \mathrm{~L} \$ 6.50$ Monthly
Net 112.50
ACCESSORIES FOR SONYMATIC SO
27 H 6032 BP-10 nicker cadmium battery pack. Wt., 1 lb. Net 12.50 27 H 6023 FS-5 Footswitch. Shog, wt.. 1 tb. Net 6.95 27 H 6033 AC. 4 V AC adapter. Shpg. wt., $1 / 2 \mathrm{lo}$. 99 H 1540 Lafayette 60 minute tape cartridge Net 6.95 99 H 6258 Extra "AA" batteries - 4 req.

Net 1.35


## AMPEX Tandberg, @ Concertone Recorders



New! Ampex 750 Solid State Stereo Tape Deck

- Sound-on-Sound - Sound Monitoring
- 3 Speed- $71 / 2,3 \frac{3}{4}, 17 / 2$ IPS- 3 Heads

Handsome, 4 track stereo tape deck featuring 3 heads and 4 solid state preamps. Long wearing Ampex "deep•gap" head construction is similar to those used in Ampex professional units. The model 750 permits full frequency recording from FM/FM stereo, phono and many other audio sources. Features dual capstan drive, recorder/monitor VU meters, digital counter, tape lifters and safety record lock to prevent accidental erasures. Size: $157 / \mathrm{m}^{\prime \prime} \times 121$ ye" $\times 63 / \mathrm{m}^{\prime \prime} .32 \mathrm{Ibs}$ 27 H $2533 \mathrm{WX} \$ 10$ monthly


Tandberg Model 12 Solid State Stereo Recorder ONLY<br>$498^{00}$<br>NO MONEY DOWN

- Records/Ploys 4-Track Siereo-Mono
- Three Speeds-1 $7 / 4,33 / 4,81 / 2$ ips

Professional, solid state, self-contained stereo recording system with internal ampllfiers and $4 \times 7^{\text {" }}$ wide range speakers. Two heads: record/playback and selective erase head, erases only the desired track. Deluxe features inciude sound-on-sound, 4-digit counter, pause control, dual electronic eye indicators, full monitoring facilitles, FM multiplex filter and external speaker jack. Frequency Response: $40-20,000 \mathrm{cps}$ at $71 / 2.40 \cdot 12,000 \mathrm{cps}$ at $33 / 4$, $40-7,000 \mathrm{cps}$ at $17 / 8 \mathrm{ips}$. With teakwood cabinet, patch cords, take-up reel and black vinyl carrying case. Less.mikes. For 115 v 60 cycle AC. Size: $153 / 8 \times 11{ }^{1} / \mathrm{h}, \times 6 \% \mathrm{~m}$. Imported from Norway. Wt., 25 lbs .


Deluxe Ampex 1150 Solid State Stereo Deck

- Automotic Reverse On Ploybock
- 3 Speeds: $71 / 2,33 / 4,1 \%$ IPS

Completely automatic threading-loads in seconds. Plays a complete 4 -track tape without reel changing or rewinding. Exculsive Ampex deep gap heads and dual capstan drive. Accurate record VU level meters. Automatic tape lifters, monitor switch, automatic cue provision, and digital counter. Overall size: $19^{\prime \prime} \times 131 / 2^{\prime \prime} \times 71 / 2^{\prime \prime}$. 27 H 2514 wx $\$ 15$ monthly Shpg, wt., 42 lbs.


- Recerds/Plays 4.Track Stereo Mano
- 3 Heads, 3 Speeds

A deluxe tape deck with new crossfield 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 hystersis-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 $\mathrm{c} / \mathrm{s}$ at $71 / 2$ ips, $20 \cdot 18,000 \mathrm{c} / \mathrm{s}$ at $33 / 4$ lps, $30 \cdot 12,000 \mathrm{c} / \mathrm{s}$ at $17 / 8$ lps. With teakwood base, pateh cords and take-up reel. Less microphone. For $115 \vee 60$ cycles AC. Size: $153 / 8 \times 111 / 10 \times 61 \% 0^{\circ}$. Imported 27 H $6706 \mathrm{Wx} \$ 29$ Monthly Shpg. wt., 25 lbs


## NEW! CONCERTONE 770 SOLID STATE CORDLESS AND AC OPERATED 4 TRACK STEREO RECORDER

- 4 Trock Stereo Or Monourol Record And Play On 7" Reel - 3 Heads-4 Speeds-71/2, 33/4, 17/, 15/16 IPS

Completely transistorized, cordless and AC operated 4 -speed, 4-track stereo/mono remote control self-contalned capstan drive tape recorder for use with reels up to $7^{\prime \prime}$. Two built $-\ln 51 / 2^{\prime \prime} \times 3^{\prime \prime}$ full range hi-fidelity speakers for excellent sound reproduction. Features three separate heads for improved performance at slow tape speeds, two VU meters, digital tape counter, front panel monitor jack with channel selector, volume and tone controls for each channel, two external speaker jacks and stereo headphone monitor jack. Frequency response 30 to $15,000 \mathrm{c} / \mathrm{s}$ at $71 / 2$ lps. Power Output .8 watts per channel. Signal to Noise Ratio better than 45 db . Precision 4 -speed capstan drive assures for a minimum flutter. Operates on 6 standard "D" size batteries or 117 volts AC $50 / 60$ cycles with builtein AC power unit. Comes complete with 2 stereo microphones, 1 remote microphone and
 27 H 1410 WX $\$ 10$ Monthly

Net 199.95 99 H 6256 "D" batteries for model 770 ( 6 req.) ___ Net ea. . 15 Tape Recorders Are Available on Easy Pay Plan-No Money Down

## - $71 / 2,3 \frac{1}{4}, 1 \% \mathrm{ips}$

- Buill-in Pause Cantrol


## - 2 Calibrated Illuminated VU Meters

Three speed 4 -track tape deck uses only high quality silicon transistors. Features Hyperbolic heads and three 4 -pole motors, two for reel drive and one for capstan shaft. Maximum reel size $7^{\prime \prime}$. Make excellent re. cordings from AM, FM, FM-Stereo, Records, or "ilve" recordings from microphones. Operates in either vertical or horizontal position. Front panel indicators and controls include speed selector, 4 -digit tape counter with reset button, tone control, pause and record button, record indicator light, two illuminated VU' meters and dual concentric Volume/Record controls. Frequency response up to 50 to $15 \mathrm{KHz} \pm 3 \mathrm{do}$ at $71 / 2$ ips. Signal-to-Noise ratio better than 50 db . Record equallzation automatically adjusted with speed selector. Size: $15 \% / 4 \times 12 \% / 8 \quad 13 \% / \mathrm{s}^{\mathrm{m}}$. Operates on $110-120$ VAC 60 cycles. Less Base. Shpg. wI. 40 lbs.
27 H $6804 \mathrm{wx} \$ 11$ Monthly
Net 211.65
Model $423 W$-As above but mounted in walnut base. 27 H 6806wx Shpg. wt., 48 lbs. Net 288.65


Newl Viking 423 Solid State
Newl Viking 423 Solid State
3-Speed Stereo Tape Deck ONIY $211_{\text {Lom }}^{65}$

New! Viking 433 Solid State 3
Head 3 Speed Stereo Tape Deck ONIY
$3144^{45}$


- 3 Hyperboiic Meads
-3,4-Pale Motars
- 2 Calibrated Illuminaled VU Meters

A deluxe, fully transistorized professional tape deck for recording and playback of stereo or monaural tapes at $71 / 2,37 / 4$, and $17 /$ ips. Utilizes 20 silicon planar transistors, 2 silicon, and 2 germanium diodes for hum free, virtually distortionless record and playback. Tape transport powered by 3 sepa. rate motors (two reel drive-one capstan drive), and a 2.16 dynamically balanced flywheel assure constant and accurate speeds in any position. Features 3 quarter-track Hyperbolic playback, record and erase heads, electro dynamic brakes for "instant" tape stop and two Hluminated VU meters. Other features include individual level controls for play, aux, mic, and monitor for each channel, source selectors for tape, normal or echo effect, 8-cosition selector for all modes of tape functions and a 4 -dlgit taoe counter. Less base. For 110 VAC 60 cy . Size: $15 \frac{1 / 4}{x}$ $143 /{ }^{14} \times 834^{* *}$.
27 H 6807wx $\$ 17$ Monthly_n_ Net 314.45 Model $433 W$-As above but mounted in walnut base.
27 H 680awx


Viking 88 RMQ<br>Stereo Compact Tape Deck<br>ONIY<br>28895<br>NO MONEY DOWN

- Playsi Quarter or Half-Track Sterea or Mono
- Recards: Quarter Track Sterea ar Mana
- Separate Hyperbolic Erase, Recard, Playback Heads

A precision made stereo tape deck to complement your stereo high fidelity system. Professional 3 head design and independent playback pre-amps. Speeds: 71/2 or $3 \pm / 4 \mathrm{ips}$. Hi and 10 level inputs, sound on sound, automatic stop, digital counter, independent record and playback volume controls, push button tape counter and automatic cutout switch. 2 VU meters. Response: $30-18,000$ $\mathrm{CDS}(3 \mathrm{db})$ at $71 / 2 \mathrm{ips}$. $\mathrm{S} / \mathrm{N} 55 \mathrm{db}$ at $71 / 2$ lps. Flutter and Wow less than $2 \%$ ips. Bias erase freq. 95 KC . Size: $211 / 2 \mathrm{~W} \times 14340 \mathrm{H} \times$ $91 / 4 " \mathrm{D}$. For $110 \cdot 12060 \mathrm{c}$ AC. Wt., 25 lbs . 27 H 6801wx \$15 monthly.... Net 288.95 Model 1500-Walnut base for Model 88. 27 H 6803W Shog. wt., 10 lbs. Net 18.95

> DELUXE CROWN SOLID STATE FM WIRELESS PORTABLE TAPE RECORDER


With Wireless Mike, Remete Control Mike, Patch Cord, Batteries, Telephone P.U., Earpiece

\author{

- FM Wireless Tape Recording (Meets FCC Specs) <br> - 4 Haurs of Recarding and Hi-Fi Sound an Batteries ar AC <br> - Direct listening/Recarding From Buill-in FM Radio
}


#### Abstract

Advanced solid state, 15 -transistor, 2 -speed capstan drive portable tape recorder. Features "built-in FM radio recelver", "wireless control and recording" and "automatic record level control". 3-transis. tor FM wireless mike remotely operates recorder. Starts and stops recorder and allows you to record from a distance of up to 100 ft . without a microphone cord or extension line. Meets FCC specifi. cations. The exact program material recelved 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 Vernier Tunfng Dial for selecting FM stations or tuning into the transmitter frequency of the wireless mike. Unil also has Auxiliary jack, Remote microphone jack, Earphone jack, Record Level Indicator, AC-on light and a telescoping FM antenna. Specifications: Six "D"' batteries or built.in 117 V ., 60 cycles AC adapter; $5^{\text {". reels, up to } 4 \text { hours } 16}$ minutes recording time; $88-108 \mathrm{MC}$ FM tuning range: $17 / 8$ and $33 / 4$ ips tape speeds; and buill-In $3 \times 5^{\prime \prime}$ wide-range speaker. With wireless mike, start-stop remote mike, earphone, $5^{\circ \prime}$ reel tape, batteries and telephone pickup. $41 \%, 111 \% / 4 \times 1034^{\prime \prime}$. Imported. Wh., 11 lbs. 27 H 7202Wx $\$ 8.00$ Monthly Net 159.95 99 H 6256 Extra " $D$ " ' batteries ( $6 \cdot$-req.) Net .15 ea, 99 H 6258 Extra "AA" batteries (2-req.) for FM mike - Net . 10 ea.


# Quality Wollensak-3m Solid State Tape Recorders 



## MODEL 5740 <br> 4 TRACK STEREO TAPE RECORDER



# NEW DELUXE Model 4200 CORDLESS CARTRIDGE TAPE RECORDER 

- 4 Track Stereo and Mono Record/Playback
- 3 Speeds 71/2, 33/1, 11/6 ips
- Automatic Head Demagnetization
$229^{95}$
No Money Down

All solid-state recorder, operates vertically or horizontally. Front panel features: separate vu meters, tone/volume controls; 4 digit counter; 2 -microphone inputs and stereo headphone jack. Also has self-adjusting brakes, automatic tape lifters, automatic head demagnetization, monitor laclility. 2. detachable wing speakers each containing detachable wing speakers each containing cult breaker. Specifications: Freq. response $40-17.000 \mathrm{cps} @ 71 / 2 \mathrm{ips}$. 40-10.000 cps @ $331 / \mathrm{jps}$; $\mathrm{S} / \mathrm{N}$ ratio - Greater than 48 db @ $71 / 2 \mathrm{ips}, 45 \mathrm{db}$ @ $3 \frac{1}{4}$ ips; Wow/Flutter

- Less than $0.25 \%$ @ $71 / 2 \mathrm{ips}, 0.3 \%$ @ 374, ips; Power output - 3 w EIA, 5 w peah per channel. Unit housed in a vinyl covered case. Comes complete with dynamic mike, speaker cables, $7^{\text {. }}$ reel of tape and self: threading take-up reel. Size open: 41 ' $\mathrm{K}_{\mathbf{\prime}} \mathrm{Wx}$

27 H $5024 \mathrm{wx} \$ 11.50$ Monthly .... Net 229.95
Model 5750 - Same as Model 5740 except housed in walnut stained hardwood cabinetry. Shipg. wt., 37 lbs .
27 H $5025 w x \$ 12.50$ monthly ..... Net 249.95


## MODEL 5730 4 TRACK PORTABLE STEREO RECORDER

onty $199^{95}$
No Money Down

\author{

- 3 speeds $71 / 2,334,17 / 8 \mathrm{ips}$
}

Fully solid state, designed for use in vertical or horizontal position, 4 -trach stereo-monophonic record/playback at $71 / 2$. 33/, and 17/6 ips. Features: Individual tone volume controls; power activated push buttons; two VU meters; pause control; 4 diglt tape counter; automatic shut-off; selfadjusting breaking system; automatic tape lifters and head demagnetization: Monitor facility. Has 2 self-contained $4 \times 6^{\prime \prime}$ elliptical speakers. Freq. Response: $40-17,000$ Hz
soeakers. Freq. Response: $40-17,000 \mathrm{Mz}$ @ $71 / 2$ ips, $40 \cdot 10,000 \mathrm{~Hz} @ 33 / 4$ ips $\mathrm{S} / \mathrm{N}$ greater than 48 db @ $7 / 2,45 \mathrm{db}$ @ $37 /$ ips; Wow/Flutter: less than $.25 \%$ @ $71 / 2$ ips, $3 \%$ @ 374 lps; Power output: 3W EIA, SW peak per channel. Complete with cover lid, dynamic mike, $7^{\prime \prime}$ reel of tape and self-threading take-up reel. $16 \mathrm{~W} \times 10 \mathrm{Hx}$ $7^{\prime \prime} \mathrm{D}$. Shipg. wt., 25 lbs.

27 H 5030wx $\$ 10$ Monthly
Net 199.95
$74^{95}$
With Dynamic Mike, Sixty minute Tape Cartridge, Carrying Case.

No Money Down

- High Efficiency Speaker
- Easy Quick Load Compact Tape Cartridges
Completely translstorized, battery operated cartrlage tape recorder offers complete portabllity. Easy to load with compact tape cartridges. Ideal for business, classroom lecture, interivew or at a party. Easy-touse 4-way position function swltch confrols all operating modes. Records and plays up to 90 minutes al $17 \%$ ips. Features capstan drive for constant speed. VU meter for correct recording level and battery condition; separate record level and volume controls; dynamic microphone with remote start/stop switch; record safety lock button; high efficiency speaker; sturdy construction. Fre. quency Response: $80 \cdot 10,000 \mathrm{~Hz} \pm 3 \mathrm{db}$, Wow/Flutter RMS; $0.3 \%$. S/N: better than -45 db . Tape Speed: $1 \%$ lps. Size: $41 / 2^{-W x}$ $77 / \mathrm{H}^{-L \times 21 / 4}-\mathrm{D}$. Shpg, wt., 4 lbs .
27 H 5034L $\$ 5$ Monthly
Net 74.95


## ACCESSORIES FOR 4200

Lafayette 60 minute Tape Cartridge; $1 / 2 \mathrm{lb}$. 99 H 1540 Net 1.35
27 H 5027 AC Adapler, 1 lb . $\qquad$ Net 19.90 27 H $5028^{\circ}$ Foot Control, 1 ib. Net 17.75
27 H 5029 Patch Cord, $1 / 2$ ib.
Extra "C" Batteries ( 5 req.)
99 H 6257 Net 4.10

RECORDER Only


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

No Money Down
Deluxe solid state, portable tape recorder. Records/. playback at $71 / 2$ and $33 / 4$ lps. Features VU meter; tape counter; automatic tape lifters; pause control, fast forward/rewind. Has provisions for monitoring and P.A. AII metal construction. Includes mike, accessory cords, blank tape, self-threading take-up reel. Freq. Resp.: $40.15,000 \mathrm{~Hz} \pm 3 \mathrm{db}$ at $71 / 2$ lps, $40.8,000 \mathrm{~Hz} \pm 3 \mathrm{db}$ at $33 / 4 \mathrm{lps}$. Wow/Flutter; less than $0.3 \%$. $5 / \mathrm{N}$ greater than 48 db . Inputs for milke, phono-radio outputs for ext. speaker, preamp. 117 V ., 60 Hz , AC. Size: $61 / 2 \mathrm{H}$ 天 $104 / 4 \mathrm{D} \times 113 / 4 \mathrm{~W}$. Shpg. wt., 19 lbs .
27 H $5022 \mathrm{WX} \$ 10$ Monthly Net 184.95

## ACCESSORIES FOR I500SS

27 H 5021 Vinyl Carrying Case. Shpg. Wt., 1 Lb. ................Net 8.95
27 H 5008 TE401 Earphones. Shpg, Wt., 802 . ..................Net 9.95
27 H 5009 TF 404 Foot Control. Shpg. Wt., 2 Lbs.
Net 16.95

## Quality Roberts Stereo Tape Recorders

## NEW ROBERTS 1720 STEREO RECORDER WITH DETACHABLE MATCHING SPEAKERS <br> on $199^{95}$ <br> No Money Down

Breathtaking stereo realism and outstanding versatility are yours with the new Roberts 1720 tape recorder. Boasts a big 10 watts of stereo output per channel and a broad, flat response of $40 \cdot 15,000$ Cps. $2 \cdot$ speed operation, $37 / 4$ 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 flexi. billty. Takes up to 7" reel. With 2 mikes, iwin-detachable speakers.
 27 H 55i5WX Shpg. wt., 26 lbs. $\$ 14.00$ Monthly Net 199.95


# PROFESSIONAL ROBERTS MODEL 770X 4-TRACK STEREO TAPE RECORDER 

- 3 Head-Record/Play, Erase, and Crossfield
- 4 Track Stereo or Mono
- Sound on Sound, Sound with Sound

Deluxe professional stereo recorder teaturing the exclusive Cross. field type recording based on new improved recording bias system. 3 heads-inline 4 track stereo and monaural record/playback. 3 speeds-7122, $37 / 4,17 / \mathrm{ips}$. Records FM Stereo-features sound on sound, sound with sound, automatic shut-off, 4 position digital tape counter, 2 VU meters, dynamically balanced hysteresis synchronous 2 speed motor. Two $4^{\prime \prime}$ wide range speakers offer magnificent sound reproduction. Includes 2 microphones. For $110-120$ VAC. 60 cps . Size: $20 \mathrm{Hx} 13 \mathrm{Wx} 9^{\circ} \mathrm{D}$. Shpg. wt., 48 lbs ,
27 H 55iJWx $\$ 19$ monthly

## Panasonic Solid State Video Tape Recorders

## FOR BUSINESS - INDUSTRY - EDUCATION

## features

- 2-Rotary Head "record and playback" system with Capstan Drive - Tape Counter (with reset) - Pushbutton Controls Record - Playback - Fast Forward - Fast Rewind - Audio Level (meter) - Audio Dubbing - Video Output - Rf Output.

Model NV-8000 - Same as Model NV-8100 but mounted in walnut wood base. Wt., 60 lbs. $16 \% / 8 \times 9 \% 1 \% 16 \cdot 3 / 10^{\prime \prime}$. Imported.
27 H 1209wx
Net 1.050 .00


## ACCESSORIES FOR PANASONIC VIDEO TAPE RECOROERS

WV-7033EN Camera Kit. Includes $1^{\text {º }}$ vidicon camera for use with both standard TV sets and a video monitor, mike, view-finder, cables, and 300 to 75 ohm video monltor. Imported. 27 H 1210 wxy Shpg. wt., 30 lbs.

Net 335.00
Model TR-900V Solid state Television Monitor. All channel operation (VHF and UHF) tor direct off-air taping - single cable connection to video Tape Recorder for reproduction of audio and video Viewing area. 37 sq . inches. Imported. 27 H 1211 wXY Shpg. wt., 16 lbs .

Net 170.00
VP. 2 Camera Tripod with ext. legs, pan-tilt head. Imported.
27 H 1212 WY Shpg. Wt., 10 los. .............................................. 34.95
1 MH 2400 $1 / 2$ inch Polyester Recording Tape ( 40 minutes).
27 H $1213 \%$


PLAYTAPE MODEL 1310 MUSIC-MACHINE

1995 JUST INSERT THE CARTRIDGE PLAYS INSTANTLY ANYWHERE

## DELUXE NEW MODEL 1403 SOLID STATE PLAYTAPE AM/RADIO CARTRIDGE PLAYER

JUST INSERT THE CARTRIDGE PLAYS INSTANTLY ANYWHERE Less Batteries


#### Abstract

Be the "smash hit" of your group with this exclting new portable solid state AM Radio-Tape Player, Listen to your favorite AM radio programs as well as play exciting tapes of your choice. Tape player mechanism is the same as in the Model 1310. Insert a tape cartridge in the side of the radio/ player. Plays instantly anywhere. Radio features a large dynamic speaker, separate volume controls. Tone control. and Selector switch. Operates on 4 " "D" batteries (not in. $^{\text {in }}$. cluded) or AC with optional adapter. Dim.: $91 / 4 \times 81 / 4 \times 31 / 4^{\prime \prime}$. Shpg. wt.. $3^{1 / 2}$ ibs. Imported. 27 H 1802 L Net 29.95 99 H 6256 "D" batteries for Model 14034 req. Net ea. .15 27 H 1804 AC Adapter for Model $1403-6 \mathrm{oz}$..........Net 3.95


ea.

## 39 <br> POPULAR PRE-RECORDED 2-TRACK TAPE CARTRIDGES FOR ABOVE PLAYERS $1^{39}$

## Shpg. wt. 302.

27 H 1805 L Hert Alpert-Lonely Bulls
27 H 18061 Herb Alpert-Whipped Cream and Other Delights
27 H $\mathbf{1 8 0 9 L}$ Herb Alpert-Going Places
27 H 18102 Herb Alpert-SRO
$27^{\mathrm{H}} 1807 \mathrm{~L}$ Hert Alpert-What Now My Love
27 H 1808 L Hert Alpert-South of the Border
27 N 1811 Baja Marimba Band-For Animals Only
27 H $1704 L$ LOVING SPOONFULS- Daydream. There She Is, 2 other selections.
27 H 1705 L LOVING SPOONFULS-Do you Believe in Magic, My Gal, plus 2 others.
27 H 1706 L 8LUES PROJECT - Catch The Wings, The Way My Baby Walks, plus 2 other selections.
27 H 1709 L RIGHTEOUS BROS.-Soul and In. spiration, Hey Girl, plus 2 other selections. 27 H $1726 L$ RIGHTEOUS 8ROTHERS VOL. IIMidnight Hour, He, plus 2 others.
27 H $1746 L$ ANIMALS-Roberta, House Of The Rising Sun, plus 1 other.
27 H $1703 L$ ANIMALS-It's My Life, I'm Cry. ing, plus 2 other selections.
27 H 1747 L OSCAR PETERSON-Night Train, Honey Dipper, pius 2 other selections.
27 H 1710 L SAM THE SHAM And THE PHAR-OHS-Wooly Bully, plus 3 other selections.

27 H $1707 L$ HERMAN'S HERMITS VOL. 1 -Mold On, I Got A Feelling, plus 2 other selections. 27 H $1708 L$ herman's hermits vol. II Leaning On A lampost, plus 3 others.
27 H 1719 HERMAN'S HERMITS Vol. III-I'm Henry vill I am, Can't You Hear My Heartbeat, plus 2 more.
27 सं 1759 L HERMAN'S HERMITS Vol. IVI'm Into Something Good, plus 3 other selections.
27 H $1785 L$ HERMAN'S HERMITS VOI. VShow Me Girl, I Know Why, plus 2 more selections
27 H 1753 CONNIE FRANCIS-Jealous Heart. Everything I Have is Yours, plus 2 others. 27 H 17731 CONNIE FRANCIS - 1 Miss YOU So, Heartaches, I Cried For You, Who's Sorry Now.
27 H 1777 L CONNIE FRANCIS-My Happiness, Among My Souvenirs, plus 2 other selections. 27 H 1714L CONNIE FRANCIS-Everybody's Somebody's Fool, plus 3 other selections. 27 H 17111 fantabulous staings-Thundertall, Goldfinger, What's New Pussycat. 27 H 1712 ELLA FITZGERALD-All the Things You Are, plus 3 other selections.
27 n $1715 L$ david ROSE-The Stripper, Soft Lights and Sweet Music, Night Train.

27 H 17172 HANK WILLIANS Hey Good Looking, Your Cheating Heart, plus 2 other selections.
27 H 17541 LOU CHRISTIE-Always Something There To Remind Me, plus 3 other selections.
27 H 17181 HENRY MANCINI-Moon River. Days of Wine and Roses.
27 h 1720 L Ray Charles SImgers -Septem ber in the Rain, plus 3 more.
27 h 1721 L ASTRUD GILBERTO-Take Me To Armando, Love Theme from Sandpiper, plus 2 more.
27 H 1713 L Bobsy mydell-Wild One, Kissin' Time, Volare, Sway.
27 H 1792 L 80B8Y RYDELL-Twistin' The Night Away, What's Your Name, plus 2 others.
27 H 1834 L THE MAMAS And THE PAPAS Vol. 1-I Call Your Name, plus 3 other selections.
27 H 1835L THE MAMAS And THE PAPAS Vol. II-Got A Feelin', Dlus 3 other selections.
27 H 1765 ST STAM GETZ-Desafinado, One Note Samba
27 H 17722 LOUIS ARMSTRONG-Don't Get Around Much Anymore, plus 3 other selections.

# 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 you are dissatisfied, 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 stand ard red oxide coating provides wide range high fidelity response over the audio spectrumt. Features noise free reproduction, low abrasion and uniform output. in 1 mil and 1 11/2 mil thickness. Average shipg. Wt., 1 lb.

| Stock No. | Feet | Reel | Mils | Wt. Lhs. | Net Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $1-4$ | 5-24 | 25 UP |
| 28 N 0102 | 600 | $5{ }^{\prime \prime}$ | $11 / 2$ | $1 / 2$ | . 99 | . 90 | . 85 |
| 28 H 0103 | 900 | 5* | 1 | 3/4 | 1.20 | 1.10 | . 99 |
| 28 H 0101 | 1200 | 7" | 11/2 | 1 | 1.59 | 1.49 | 1.35 |
| 28 H 0104 | 1800 | $7{ }^{\prime \prime}$ | 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. Super-strong mylar is prestretched and is highly resistant to breakage, moisture heat, cold and humidity. Highly polished, splice-free, quiet, non-abrasive finish. Smooth output throughout the entire audio spectrum. Tensilized mylar 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 maximum amount of footage per reel. Individually boxed.


- For Cassette Type Tape Recorders - Up to 2 Hour Record and Play Time - Quick Change No-Tape-Thread Cartridge
A Dermanently enclosed cassette cartridge for use in Norelco Carry-Corder 150, Norelco 350. Wollensah 4100. Panasonic 3100. Aiwa Snap-O-Matic. Mercury and all other tape recorders using the Norelco-Type cassefte cartridge. Records up to 1 hour per cartridge (2 tracks) at $17 / 4$ ips. Tape automatically moves from one reel to the other. imported. Shpg. wt. 402.
99 स 1540
Net 1.35

90 Minute Cassette. Records and plays up to 90 minutes ( 2 tracks) at $17 / 8 \mathrm{lps}$.

## 28 H 0120

Net 2.20
120 Minute Cassette. Records and plays up 02 hours ( 2 tracks) at $1 \%$ lps.
2 H 0121
Net 2.90

## LAFAYETTE MYLAR** 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. Lbs. | Net Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $1-4$ | 5-24 | 25 Up |
| 28 H 0105 | 1200 | $5{ }^{\prime \prime}$ | 1/2 | 3/4 | 1.75 | 1.58 | 1.42 |
| 28 H 0106 | 1800 | $7^{\prime \prime}$ | 1 | $11 / 4$ | 2.49 | 2.25 | 2.13 |
| 28 H 0107 | 2400 | $7{ }^{\prime \prime}$ | 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 superb 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 .

|  |  |  |  | Net Per Reel |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | ---: |
| Stock No. | Feet Reel | Description | 1.4 | $5-24$ | 25 up |  |
| $28 H 0116$ | 1200 | $5^{\prime \prime}$ | $1 / 2$ mil mylar | 1.99 | 1.84 | 1.67 |
| $28 H 0117$ | 1200 | $7^{\prime \prime}$ | $11 / 2$ mil acetate | 1.84 | 1.73 | 1.62 |
| $28 H 0118$ | 1800 | $7^{\prime \prime}$ | 1 milmylar | 2.69 | 2.54 | 2.39 |
| 28 H 0119 | 2400 | $7^{\prime \prime}$ | $1 / 2$ miltensmylar 3.84 | 3.62 | 3.25 |  |

egistered DuPont trademark for its polyester film.

## LAFAYETTE DYNAMIC 1kc \& 10kc GENERATOR



[^5]An essential transistorized instrument for the serious minded tape recordist who de. mands peak performance of his tape deck or recorder. The 1000 cDs signal adjusts the blas in recorders having such adjustments to provide improved performance, particu. larly with reference to the brand and type of tape used. The 10 kc 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 . cables with phone plus terminations. Self-power by 9V. battery, (Not supolied). $31 / 2 \times 11 / 2 \times 11 / 4^{\prime \prime}$. 99 H 1549 Shpg. wt., 1 to. 99 H 6021 9V. battery for above...

Net 14.95 Net . 21
"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 tenstlized polyester base. Outstanding performance with capstan-drive recorders.
1200 Ft . on $3 \mathrm{~V}_{4}$ " Reel. Greatly extends recording time of $314^{\prime \prime}$ battery operated recorders. Record 4 hours ( 2 -tracks) at $17 / 8$ lps; 2 hours at $33 / 4 \mathrm{ips}$. Shpg. wt., 1202. 28 H 6400

Net 4.25
2300 FL. on $5^{\prime \prime}$ Reel. Records 8 hours ( 2 tracks) at $17 / \mathrm{ids} ; 4$ hours at $33 / 4$ los. Comes on low-torque, large hub $5^{\prime \prime}$ reel and with simllar additional blank reel. Shpg. Wt.. $13 / 2 \mathrm{lbs}$.
28 H 6401
Net 7.95
4800 FL on $7^{\prime \prime}$ Reel. Records 16 hours (2 tracks) at $17 / 8$ ips; 8 hours at $33 / 4$ ips. Comes on low-torque. large hub $7^{\prime \prime}$ reel with similar addItional blank reel. Shog. wt., 2 lbs.
28 H 6402 ........................................... 14.95
Norelco Type Cassefte. Same $1 / 4 \mathrm{mill}$ tape in Cassette. Records 2 hours ( 2 track) at $17 / 8$ ips. In self-mailing box. Shpg. wt.. 4 oz. 28 H 6403 ...................................... Net 4.65

# Scatch RECORDING TAPE AND ACCESSORIES 

## Scoten

TYPE 150 EXTRA-PLAY TAPE-1 MIf extra strong Polyester base high fidelity tapes. Withstands high tension and break resistant. All plastic reels except *NARTB aluminum reel. Avg. shpg. wt., 1202.

TYPE 111 STANOARO TAPE- $11 / 2$ Mil Acetate Coated with red oxide Popularly used for high fidelity all purpose recordings. On plastic reels except "NARTB metal reels. Avg. shpg. wt.. 8 oz . ea.

| Stoch No. | Type No. | Reel | Length Feet | Met Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.11 | 12 Up |
| 26 H 3304 | 111.1.5 | $3{ }^{\prime \prime}$ | 150 | . 47 | 42 |
| 2* H 3305 | 111-3 | $4{ }^{4 *}$ | 300 | 1.07 | . 96 |
| 28 H 3306 | 111.6 | $5{ }^{\prime \prime}$ | 600 | 1.50 | 1.35 |
| 28 H 3307 | 111-12 | $7{ }^{\prime \prime}$ | 1200 | 2.34 | 2.10 |
| 28 H 3308 | 111-25 | Hub | 2500 | 5.23 | 4.71 |
| 28 H 3309 | 111-25R* | 101/2" | 2500 | 7.20 | 6.48 |

TYPE 190 EXTRA-PLAY TAPE- $50 \%$ more playing time on standard size reels. 1 mil acetate base. All on plastic reel except *NARTB aluminum reel. Avg. shpg. wt., 12 oz.

| Stoch No. | Type No. | Reel | Length Feet | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.11 | 12 Up |
| 28.13310 | 190-9 | 5 " | 900 | 2.34 | 2.10 |
| 28 H 3311 | $190-18$ | $7{ }^{\prime \prime}$ | 1800 | 3.67 | 3.30 |
| 2.43312 | 190-36R | 101/2"** | 3600 | 8.53 | 7.68 |

TYPE 282 SANOWICH TAPE-11/2 MII 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 maintenance. Avg. shpg. wt., 10 oz.

|  |  |  | Net Each |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Stock No. | Type No. | Reel | Length Feet | $1-11^{\prime 2}$ | 12 Up |
| $28 H 3313$ | $282-6$ | $5^{\prime \prime}$ | 600 | 2.07 | 1.86 |
| $28 H 3314$ | 282.12 | $7^{\prime \prime}$ | 1200 | 3.30 | 2.97 |

TYPE 201, 202, 203 "OYNARANGE" SERIES. Designed primarily for professionals. but now available for home recording. Permits slower speeds without loss of fidelity. Low noise level, iong wear. Ideal for transcribing. Shpg. wt., 1 lb .

| Stoct No. | Type No. | Base | Reel | Leth. Ft. | $\begin{gathered} \text { Net Each } \\ 1.11 \quad 12 \text { Up } \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28 H3337 | 201.6 | 1.5 Mil Acet. | $5{ }^{\prime \prime}$ | 600 | 1.87 | 1.68 |
| 28 H 3335 | 201.12 | 1.5 Mil Acet. | $7{ }^{\prime \prime}$ | 1200 | 2.93 | 2.64 |
| 28 H 3338 | 202-6 | 1.5 MHP Poly. | $5 \cdot$ | 600 | 1.90 | 1.71 |
| 28 H 3339 | 202.12 | 1.5 Mil Poly. | 7"' | 1200 | 3.40 | 3.06 |
| 28 H 3340 | 203.9 | 1 Mil Poly. | $5{ }^{\prime \prime}$ | 900 | 2.83 | 2.55 |
| $\underline{28 H 3336}$ | 203-18 | 1 Mil Poly. | $7{ }^{\prime \prime}$ | 1800 | 4.90 | 4.41 |

## SCOTCH RECORDING ACCESSORIES



## SPLICING TAPE

Pressure-sensitive tape made especially for splicing and editing magnetic tape. Avg. shpg. wt., 3 oz.
SCOTCH $41-1 / 2 \mathrm{~S} 4 / 2 \times 50^{\prime \prime}$. On dispenser.
28 H 3329 Singly, Ea, 39 SCOTCH $41-\frac{1}{23}$ L $1 / 32 \times 66^{\prime \prime}$. Less dispenser
28 H 3330 ................................Lots of 12, Ea. . 51 Singly, Ea. . 57

## SENSING TAPE

TYPE $51 \mathbf{1 / 3 2 5}$-To actuate automatic stop and reverse on recorders so equipped. $150^{\prime}$ long $x / 3_{2}{ }^{\prime \prime}$ wide. One side foil. other athesive. Shpg. wt., 402. 28 H 3315
...Lots of 12, Ea. 1.70 Singly, Ea. 1.89

## LEADER-TIMER TAPE

TYPE 24.1W-Has 1 second interval markings for $71 / 2^{\prime \prime}$ and 15" $^{\prime \prime}$ per second speeds. 100 ft . $1 / /^{\prime \prime}$ wide roll. Individually boxed. 502. 28 H 3332

Lots of 12, Ea. . 54 Singly, Ea. .60

## 7" SELF-THREADING REEL

TYPE PRST-7-Just lay recording tape inside and start recorder. Threads automatically. Snap-tight collar seals edges against dust. Shpe, wt., 8 oz.
28 H 3331
Lots of 12, Ea. . 90 Singly, Ea. 1.00

|  |  |  | Net Each |  |  |
| :--- | :--- | :--- | :---: | :---: | ---: |
| Stoch No. | Trpe No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 M 3318 | $150-9$ | $5^{\prime \prime}$ | 900 | 2.40 | 2.16 |
| 28 H 3317 | $150-18$ | $7^{\prime \prime}$ | 1800 | 4.13 | 3.72 |
| 28 H 3318 | $150-36 R^{*}$ | $1042^{\prime \prime}$ | 3600 | 3.57 | $\mathbf{1 . 5 2}$ |

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. shpg. wit.. 14 oz

| Stock Mo. | Trpe No. | Reel | Length Feet | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $1-11$ | 12 Up |
| 28 H 3319 | 120.6 | $5{ }^{\prime \prime}$ | 600 | 1.50 | 1.35 |
| 28 M 3320 | $120 \cdot 12$ | $7{ }^{\circ}$ | 1200 | 2.34 | 2.10 |

TYPE 200 TENSILIZED-Tensilized Polyester . 50 mll 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., 1202.

|  |  |  |  | Net Each |  |
| :--- | :--- | :--- | :---: | ---: | ---: |
| Stock No. | Trpe No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 H 3323 | 200.12 | $5^{\prime \prime}$ | 1200 | 3.63 | 3.27 |
| 28 H 3321 | $200-24$ | $7^{\prime \prime}$ | 2400 | 6.33 | 5.70 |
| 28 H 3322 | $200-48 R P S$ | $104 / 2^{\prime \prime}$ | 4800 | 14.67 | 13.20 |

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

|  |  |  | Net Each |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 H 3324 | 290.18 | $5 \%$ | 1800 | 4.63 | 4.17 |
| $28 H 3326$ | $290-36$ | 70 | 3600 | 7.97 | 7.17 |

TYPE 175 TENZAR-1 $1 / 2$ Mil tenzar coated with a high potency pxide, offers 16 times greater tear resistance than acetate baching. for continuous play. fast stops and starts non-drying silicone lubricated to protect recorder heads. Avg. shpr. Wt., 10 oz .

|  |  |  | Net Esch |  |  |
| :--- | :--- | :--- | :---: | :---: | ---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 M 3327 | 175.6 | $5^{\prime \prime}$ | 600 | 1.60 | 1.44 |
| 28 H 3328 | 175.12 | $7^{\prime \prime}$ | 1200 | 2.50 | 2.25 |

## TAPE CARTRIDGES

TVPE 270 ( $\mathrm{M}-2$ ) For Revere self-changing recorders. $560^{\circ}$, plays 45 minutes stereo, 90 minutes mono. TYPE 271 (C-60)-Cassette cartridge for Noreico Carry-Corder 150, Noreico 350 , Wollensak 4100, Panasonic 3100, Alwa Snap-O-Matic, Mercury and all record. ers using the Noreico-type Cassette cartridge. $300^{\circ}$ in plastic mailer. 60 minutes recording at $17 / \mathrm{e}_{\text {I }}$ Ips, monaural. TYPE $8000-$ Quick-load cartridge for other cartridge recorders. 560 , plays 1 hour stereo, 2 hours mono. Avg. shpg. wt., 1202.

|  |  |  | Net Each |  |
| :--- | :---: | :---: | :---: | :---: |
| Stach No. | Type | Lth. Ft. | 1.11 | over 12 |
| 28 H 3333 | 270 | 560 | 4.28 | 3.90 |
| 28 H 3341 | 271 | 300 | 2.88 | 2.56 |
| 28 | $H 334$ | 8000 | 560 | 3.00 |



## "LIVING LETTERS" TAPE IN PLASTIC MAILERS

$3^{\text {n }}$ reels providing $1 / 4,1 / 2$ or 1 hour recording. $150^{\circ}$ of $11 / 2 \mathrm{mif}$ acetate tape per reel. Others are $1 / 2 \mathrm{mll}$ tensilized polyester. All tape sizes are furnished in convenient hinged plastic maliers designed for postal treatment and meeting all post office standards. Shpg. wt., 502.

| Stock No. | Type | Leth. Ft. | 1.11 | Net Each |  | over 12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28 M 3342 | $111-1.5 L L$ | 150 | 60 | .54 |  |  |
| 28 H 3343 | $200.3 L L$ | 300 | 1.23 | 1.11 |  |  |
| 28 H 3325 | $290-6 L L$ | 600 | 1.97 | 1.77 |  |  |

\# 11 AOORESS LABELS FOR 4 MAILING CONTAINERS. Package of 10 additional pressure-sensitlve adhesive address labels for "Liv. ing Letters" plastic mailing boxes. Shpg. wt., 302.
28 If. 3344
Lots of 12, Ea, 29 Singly, Ea. 33
Buy Tapes in Quantity with Lafayette's Easy Pay Plan

## RoBINS ${ }^{\circ}$ recording tapes

## ROBINS BRAND "BALANCED SOUND" RECORDING TAPE



## WITH ACTION PAIRED REELS


(

(a) "SONORAMIC 99" ECONOMY TAPE MULTI-PAKS-ANY PACKAGE OF 2, 3, 4 AND 6 REELS OF TAPE
ing puality, all purpose recording tape. ROBins brand "Balanced Sound" tapes are made under the strictest quality control standards. Low print thru, at high frequency response. "ActionPaired" Reels havethe advantage of playing any selection desired without having to thread and rewind each time, "Cartridge like" convenience, without special equipment. Packaged in a Library designed "Dual Compartment" box. PLUS A BONUS OF...Tape Log Disc, Tape Clips, and Self-Stick Title Labels included in every package. PLUS... Color Coded Leader Tape prespliced to beginning and end of every reel of tape.

ACETATE-STANOARD BASE, LOW PRINT-THRU RECORDING TAPE

| Stock No. | Type | Reel | Feet | MII | Price |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 28 H7161 | 15A5 | $5^{\prime \prime}$ | 600 | $11 / 2$ | 1.42 |
| $28 H 7162$ | $10 A 5$ | $5^{\prime \prime}$ | 900 | 1 | 2.25 |
| 28 H 7163 | $15 A 7$ | 7.1 | 1200 | $11 / 2$ | 2.28 |
| 28 H 7164 | $10 A 7$ | $7 m$ | 1800 | 1 | 3.58 |

POLYESTER BASE-DELUXE RECDRDING TAPE. EXtra strang.

| 28 H 7165 | $10 A 5 M$ | $5^{\prime \prime}$ | 900 | 1 | 2.34 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 28 H 7166 | $5 A 5 M$ | $5^{\prime \prime}$ | 1200 | $1 / 2$ | 2.82 |
| 28 H 7167 | 10A7M | $7^{\prime \prime}$ | 1800 | 1 | 4.03 |
| 28 H 7168 | $5 A 7 M$ | $7^{\prime \prime}$ | 2400 | $1 / 2$ | 4.85 |

POLYESTER, "TENSILIZED", BASE PROFESSIONAL RECORDING TAPE Greater strength. Stretch resistant

| 28 H 7169 | $5 A 5 M T$ | $5^{\prime \prime}$ | 1200 | $1 / 2$ | 3.54 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 28 H 7170 | $5 A 7 M T$ | $7^{\prime \prime}$ | 2400 | $1 / 2$ | 6.18 |

TRIPLE PLAY, POLYESTER "TENSILIZED" RECORDING TAPE

| 28 H 7171 | 5A32MTS | 31/4" | 600 | 1/2 | 1.97 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 H 7172 | 5A5MTS | $5{ }^{\prime}$ | 1800 | 1/2 | 4.90 |
| 28 H 7173 | 5A7MTS | 7* | 3600 | 1/2 | 8.60 |

## cundiotape RECORDING TAPE AND ACCESSORIES



FEATURING C-SLOT THREADING

STANDARD TAPE - $11 / 2 \mathrm{mil}$ acetate base. Low cost with no compromise In quallity. All on plastic reels except - Aluminum t in malling box. Avg. shpg. wt., 8 oz.
$\left.\begin{array}{lllcrr}\hline \text { Stock No. } & \text { Type No. } & \text { Reel } & \text { Inch } & \text { Length } \\ \text { Feet }\end{array}\right)$
'LONGER-RECORDING" TAPE- 1 mil acetate base. $50 \%$ more recording time per reel. All on plastic reels except * Aluminum. Avg. shpg, wt., 802.

| Stock No. | Type No. | Reef Inch | Length Feet | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.9 | 10 up |
| 28 H 1006 | 941 | 5 | 900 | 2.34 | 2.10 |
| 28 H 1007 | 1841 | 7 | 1800 | 3.67 | 3.30 |
| 28 H 1008 | $3641 R^{*}$ | 101/2 | 3600 | 8.53 | 7.68 |

"LONGER-RECORDING" TAPE- 1 mil , strong and durable "Mylar"base. $50 \%$ more recording time per reel. Alf on plastic reels except - Aluminum; $\dagger$ plastic reel in self-mailer carton. Shpg. wt., 12 oz.

| Stock No. | Type No. | Reel Inch | Length Feet | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.9 | 10 up |
| 28.1009 | $261 \dagger$ | 3 | 225 | . 67 | . 60 |
| 28 H 1010 | 961 | 5 | 900 | 2.40 | 2.16 |
| 28 H 1011 | 1861 | 7 | 1800 | 4.13 | 3.72 |
| 28 H 1012 | $3661{ }^{*}$ | 101/2 | 3600 | 9.57 | 8.61 |

## AUDIO 400 HEAD DEMAGNETIZER

Will remove all permanent magnetism from recording head. Operates on $110 \mathrm{~V}, 60 \mathrm{cy} . \mathrm{AC}$ 20 H 1030 Shpg. wt., 1 lb . $\qquad$ Net 6.00

## EMPTY REELS

Five and seven inch reels feature C-slot for easy, fast movement tape threading. Grips tape tightiy on starting and automatically releases.it on rewinding. Each reet individually boxed. STANDARD REELS. All plastic reels except * Aluml. num and $\dagger$ fiberglass reel. Avg. shp. wt., 5 oz.

| Stock No. | Type No. |  | Slize <br> Inch. | Single | Each |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Lots of 10 |  |  |  |  |  |

COLORED PLASTIC REELS. All plastic reels, available in 4 colors; red, yeltow, green and blue. Each reel individually boxed. Specify color destred when ordering. Avg. shpg. wt., 402.
28 H 1023C Type 5PB 5 Inch reel $\qquad$ Net ea. . 43
In lots of 10, ea. . 39
Net ea. 50
In lots of 10 , ea. . 45
auoid no. 3L SELf-timing Leader tape
Strong, white "Mylar" tape with spaced markings for accurate timing of leader intervals. $100 \mathrm{ft} . \mathrm{I}^{1 / 2 \mathrm{~m}}$ wide. Individually boxed. Shpg. wt., 5 oz.
26 H 1025

## AUDIO 200 HEAD ALIGNING TAPE

Pre-recorded at $2,000,10,000$ and $15,000 \cos \left(15^{\circ \prime} / \mathrm{sec}\right)$ for precise head alignment. Base material $11 / 2 \mathrm{mil}$ "Mylar:' With instructions. 28 H 1026 Shpg. wt.. 402 $\qquad$ Net 6.00

## AUDIO MAILING BOXES

Strong, reversible corrugated containers. Avg. shpg. wt., 3 oz.

|  |  |  | Not Each |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Audio No. | Description | 1.9 | 10 up |
| 28 H 1027 | 5 M | For $5^{\prime \prime}$ Reels | . 10 | . 09 |
| 24 H 1020 | 7M | For 7"Reels | . 13 | . 12 |
| 2 H 1029 | 10M | For 104/3" Reels | 20 | . 11 |

# LAFAYETTE Recording Accessories 

# LAFAYETTE BULK TAPE ERASER AND DEMAGNETIZERS 



1175
PROFESSIONAL MODEL

- Completely Erases Tape
- Two Erasing Coils - Erases up to 1" Tapes - Erases $1 / 4^{\prime \prime}$ Tapes in One Operation-No Reversing $22^{95}$

Professional Model

LAFAYETTE TAPE SPLICER


- Two Operations-Cuts \& Trims
- Clean Splices in Seconds
- For Monaural or 2 and 4-Track Stereo
- Splicing Tape Supplied

A sturdy precision instrument for professional use in all splicing and editing applica. tions. Gives clean, quick cuts on all tapes without losing a significant portion of the sound track. Splicing tape fed from below will not foul and waste tape. Sharp lone lasting blades provide trouble.free operation. A must for professionals and demanding audio hobbyists. Imported. Shpg. wt., 3/4 Ib.
99 H 1535
Net 1.98

## TELEPHONE PICKUP FOR RECORDING TELEPHONE CONVERSATIONS



Induction telephone plek-up for cradle or upright phones. Picks up conversations without wire tapping of special circuitry. Simply place phone base on plckup and connect leads to high impedance input of an audio amplifier or directly to a tape necorder. Imported, Shpg, wt., 8 oz .
99 H 1034
Net 1.49
TELEPHONE PICKUP COIL


Designed to feed into the microphone input of a tape recorder or any high gain amplifier. Easily attached to the telephone by rubber suction-type attachment. Imported. Shpg. wt., 6 oz .
95 H 6197 Net 1.19
ELECTRO SCRIBER PICKUP


Electro Scriber telephone pickup. Simply place phone base on phono Scriber and plug Scriber into amplifier or tape recorder input. Amplifies cleanly. Shpg. wt., 1 lb.
For standard cradie phone.
28 H 2501
tton phone
for Push.bu
28 H 2502
Net 7.50 Net 8.70
HUM-BUCKING TELEPHONE PICKUP COIL
Designed with symmetrical hum cancelling plek-up colls to eliminate high stray hum pickup usually encountered with conventional colls. For use with high impedance tape recorders, amplifiers and dictating machines. Double suction cup for easy mounting. $5^{\prime}$ cable with strlpped leads. Shpg. Wt., 3 oz .
20 H 3201
Net 4.95


## Tape Recording Accessories

COUSINO AUDIO VENDOR

- Continuous Repeating Magnetic Magazine Tape

Endiess tape loop magazines provide continuous play. Ideal for sales messages, language study, sleep learning, exhibits, etc. Fit: most standard recorders. Running time in minutes at $3 \frac{1}{4}$ ips Counter
 $5 \%_{0}$ - dia. Shpg. wt., 12 oz.

|  |  | RUNNING | NET |
| :--- | :---: | :---: | ---: |
| STOCXNO. | TYPE | TIME | EACH |
| 28 H 3503 | 151003 | 3 Min | 3.95 |
| 28 H 3504 | 151005 | 5 Min | 8.75 |
| 28 H 3505 | 131008 | 8 Min. | 7.15 |
| 28 H 3506 | 131012 | 12 Min | 8.00 |
| 28 H 3507 | 131015 | 15 Min | 8.95 |
| 28 H 3508 | 131018 | 18 Min. | 9.75 |
| 28 H 3509 | 121024 | 24 Min. | 10.95 |
| 28 H 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 $7^{\circ}$ reels and most $3^{*}$ and $5^{\circ}$ reels. Shpg. wt., 6 lbs. 28 H 6510w

TWIST LOCK CANS OXITY

- Net 4.75

28 N 6511 Lots of 6 ea. . 40 $\qquad$ Single ea. . 45

## METAL STORAGE CANS <br> 18c lots 6



Cans are ribbed for easy storage. Precision fit. Finished in grey. Av. shpt. wt., 8 ors. 24 H $6053^{3 \prime}$ Can $\qquad$ tots of 6, E. . 18 Singly, Ea. . 20 22 H $63065^{\text {º }}$ Can .............. Iots of 6, Ea. . 27 Singly, Ea. 30 21 H $03077^{\prime \prime}$ Can lots of 6. Ea. 38 Singly, Es. 38

## METAL TAPE STORAGE CHEST <br> 



STANDARD CASE: Sturdy all steel carryine case. Holds $127^{\prime \prime}$ or $5^{\circ}$ reels and cans Twin snap locks. Platinum Eray hammerlold finish. Metal separators. Includes Index cards. Shog. wt., 5 lbs.
24 H 1501
Net 2.99

## 7" TAPE CHEST



Ourable chipboard storage cases covered in simulated leather. Holds $57^{\prime \prime}$ reels in sep arate compartments. Size: $8 \times 7 \times 4 / 2^{\prime \prime}$. Shpg. wt. $1 / 2$ to.
23 in 6512
Net . 85

## COLOR-CODED TAPE SPLICING KIT



Everything you need for fast, professional tape editing and repairing. Easy to-use gold anodized aluminum splicing block has special slide-out plastic storage compariment. Complete with blade and full assortment of color coded Quik Splice Mylar splicing and editing strips-will not shrink or become brittle with age. Shpg. wt. 800. 28 H 3601

Net 1.48

Sturdy, non-warp plastic reels for recording tape. All clear except ohigh impact milky plastic. Avg. Shpg. wh., 4 oz., slingly. 24 H2305 $3^{\prime \prime}$.reel. ......... lots of 4, Ea. 09 Singly, Ea. . 10
24 N 2301 314" reel
28 H $23025^{\circ}$ reel
lots of 4, Ea. 14 Singly, Ea, . 17 lots of 4, Ea. . 22 Singly. Ea, 24 28 H $23037^{\text {m" reel }}$
l. Singly, ea.
St

## LOW TORQUE REELS

Professionat type clear plastic reels with large hubs for smooth tape feed and reduced flutter. Shpg. wt., 5 ot. ea. $\mathrm{s}^{\prime \prime}$ Low To-que Reel - Holds $400 \mathrm{ft} 11 / 2$ $\mathrm{mil}, 600 \mathrm{fl}, 1 \mathrm{mil} .800 \mathrm{ft} .1 / 2 \mathrm{mil}$ or 1200 ft . 1/2 mil triple play tape. 28 H 7306
lots of 4. Ea, . 36 Singly. Ea. 39
$7^{\prime \prime}$ Low Torque Reet-Holds 960 ft . $14 / 2$ mil, 1440 ft . $1 \mathrm{mil}, 1920 \mathrm{ft}$. $1 / 2 \mathrm{mil}$ or 2880 ft $1 / 2$ mil triple play tape. 28 H 2304
lots of $4, \mathrm{Ea} . .45$ Singly, Ea. . 49

## REEL LOCKS



Set of Two
Holds tape recorder reel in place by tocking spindle to reel. Especially useful if recorder is in vertical position. Will not interfere with normal operation of reels. Easlly removable. imported. Shpi. wt., 6 at.
99 H 151s Set of two

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). Alt accessorles such as grease pencil, blades splicing tape ( 66 ft . roll of $\mathrm{Kan}^{\mathrm{C}}$ ) supplied. Comes with instruction booklet-in a sman metal case. Shpg. wt., 1 lb.
28 N 3205
Net 9.00
"Getting the Most From Your Tape Recorder". Detailed information about these accessories on this and adjacent accessory pages. Buy the kit and save over regular individual crices. Shpg. Wt., $33 / 4 \mathrm{lbs}$ 21 H 0904 Complete Kit .............. Net 7.25

## CLEAR PLASTIC REELS

as low as
 RECORDER PATCH CORD

## 67 c

Ideal For Making Connections From Radio، Phono or TY To Tape Recorder

Handy 6 t. lead has insulated alligator clips at one end and RCA phono plug at the other Supplled with shielded phono plug adapter to adapt the RCA phono plug to standard pheno plug if necessary. Attach alligato clips to speaker terminais and simply plug other end into tape recorder. Ideal for re cording from Radio, Phono or TV. Imported. Shpr. wt 8 oz.
H 1517
Net .e7

## EDITALL TAPE EDITING KIT

Please Include Your Zip Code with Every Order

(A) TK-S COMPLETE TAPE EDITINC WORKSHOP. Two tape winders and Deluxe Stereo Tape Splicer with Splicing Tape. Handies reels up to $7=$. Sturdy base has Calibrated Tape Iiming and Editing Scale. FREE Editing and Cueing Pencli and Tape Editing Guide Book included. Size of workshop: $7^{\circ} \times 14^{\prime \prime}$ x $51 / 2$ "
28 H 7106 Wt. 2 tbs. $\qquad$ Net 14.40
(B) TS-8D OELUXE "STEREO" SPLICER. FOR stereo and mono tape. Precision diagonal cut and "Gibson Girl" trim at sides of spilces. "See-thru" windows indicate "Cut" and "Irim" positions for easy operation. Tape guide and fingers secure tape. Integral tape dispenser has $100^{\circ}$ roll of $1 / 2^{\prime \prime}$ Splic. ing Tape. Replaceable cutter pad and blades. Blade centering adjustment provided for life. time accuracy. Of super strong Cycolac. Instructions.
28 H 6009 Wt. 1 lb . $\qquad$ Net 7.65
(C) TS.7S STANDARO "STEREO" SPLICER. Precise cut and "Gibson Girl" trim. "See-
positions. Dispenser with $3 / 8^{\prime \prime} \times 100^{\prime \prime}$ Splicing Tape. Made of plated steel and plastic. Instructions.
20 H 7141 Wt. 1202. $\qquad$ Net 5.99
TS.7J JUNIOR STEREO SPLICER. inot illus.) Same as TS.7S, less dispenser and tape. Uses $3 / 8^{\prime \prime}$ splicing tape.
28 H 7142 Wt. 802. $\qquad$ Net 4.7
(0) TS-6 DELUXE "CUT-N-SPLICE" TAPE SPLICER. Cuts tape at $30^{\circ}, 45^{\circ}$ or $90^{\circ}$. Complete with 25 self-stick Splicing Patches included in built-in tray of splicer.
28 H 7086 Wt. 502.
net 2.99
(E) TS-5 CUT-N-SPLICE TAPE SPLICING BLOCK. Metal tape guide. Cutting groove guldes hand held blade. 25 Self-Stick patches supplied in built-in sliding tray of splicer. 28 н 7087 Wt. 502.

Net 1.89
TST. 233 Pkg. of 75 Self-Stlck Patches for TS.6 and TS-5 Splicers. 28 H 7092 $\qquad$ Net .69
TS.3 "SEMI.PRO" LOW COST SPLICER. (Not lllus.) Tape guide has adhesive back for
mounting to recorder, efc. Rand held cutter has blade cover. Produces diagonal cut and "Gibson Girl" trim. With instructions.
28 H 6015 Wt. 3 oz.
Net 1.49
SPLICINE TAPE. "Mylar." Wt. ea. 2 oz. (Not illus.)
Stock No. Type Width Lensth Net
28 H 7088 TST.235 $1 / 4^{\prime \prime} \times 300^{\prime \prime}$ Net. 59
 $\begin{array}{llll}28 \text { H } 7090 & \text { TST-501 } & 1 / 2^{\prime \prime} \times 250^{\circ} & \text { Net. } 59 \\ 28 \text { H } 7091 & \text { TST. } 751 & 3 / 4^{\prime \prime} \times 150^{\circ} & \text { Net. } 69\end{array}$ TT. 240 COLOR-COOE SPLICING PATCHES. (NOI 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 н 7113
Net 99
TSP-50 SENSINE AND CUEINE PATCHES. (Not lllus.) Aluminum foll patches, $1 / 4^{\prime \prime}$ wide $x$ 3/4" lengths. For recorders having automatic stop and reverse control and other electrical sensing devices. Package of 50 .
28 H 7115

- Net 99

(F) TK. BDLX DELUXE TAPE ACCESSORY KIT. Contents: TS-8D Deluxe Splicer, Splicing Tape, Tape Threader, 2 oz. bottle of Head Cleaner, 2 oz. bottie of Head and Guide Lubricant, Tape Jockey Cloth, Tape Clips, Reel Title Labets, Reel Holders, and Tape Editing Gulde Book.
28 H $7044 \ldots$ Wt. $11 / 2$ lbs._._Net 11.49
TK-21 STARTER TAPE EOITING KIT. (Not Illus.) Easy to use Tape Splicer has adhesive backed plastic tape guide to fasten to recorder and unique cutting blades. Includes roll of Splicing Tape and one Editing Pencll.
28 H 7144 Wt. 6 ozs. Net 1.69
(H) TK-19 TAPE EDITORS KIT. Contains: TS-5 "Cut-N.Splice" metal Tape Splicing Biock, 25 self-stick Patches, 3 Editing Pencils, and Tape Editing Guide Book.
28 H 7143
Wt. 502.
Net 2.49

(L) TRP-2 10 COST PHONE PICK-UP. Fastens to phone by suction cup. 5 ft . cable, has stripped ends to attach connector to fit recorder.
28 H 7095 $\qquad$ Wt., 60 $\qquad$ Net 1.89
TAPE STORACE ANO MAILING ACCESSORIES (M) TCP-12 OELUXE MOLDEO INOIVIOUAL TAPE-SAFES. Protects and stores $7{ }^{\prime \prime}$ tapes from dust, dirt, and ageing. Hinge cover. Bottom has dovetail groove to fit metal wall bracket. Set of 12 lape safes with metal mounting bracket. Tape reels not included). 28 H 7122

COLOR-CODING ACCESSORIES. For easy, instant Identilication and indexing of your tape library by category, l.e.: Red-Jazz, Blue-Classical, etc.
(K) TK. 1 COLOR-CODING TAPE LOG KIT. FOR cataloging your entire ilbrary in a uniform and decorative way. Color code for easy indexing by Title, Artist, Category. Kit con. tains: 240 Title Labels, 72 Tape End Tabs, 48 Numbered Cueing and Indexing Spots, 30 Box Ends, all "self-stick" and In six basic assorted colors. Also includes 120 page log Book, color indexed and a simulated Feather Pen. (Tape boxes not Included.)
28 H 7145 Wt. $11 / 4 \mathrm{lb}$._Net 4.98 TT-245 COLOR-COOING ENO TABS. (Not lllus.) Self-stick end tabs for application to ends of tape to secure tape from unwinding on reels and for instant identlfication. 12 each of 6 colors, Red, Blue, Orange, Green, Yellow, and White.
28 н 7146
Net 69
TL.180 REE TITLE Labels: (Not Illus.) 180 white self-stick $\mathbf{2 "}^{\prime \prime} \times 1 / 2^{\prime \prime}$ labels. Write or type on them.
20 H 7151 Pl_ Phg. of $180 \ldots$ Net 79

## ROBINS BOOKS ABOUT TAPE RECORDING



TE- 24 "TAPE EOITING ANO SPLICING GUIOE B00x" by N. M. Haynes. 24 pages. $6^{\prime \prime} \times 9^{\prime \prime}$. Illustrated. Valuable tips on spliceless edit: ing, dubbing, erasure of clicks, etc. $10^{\circ} \mathrm{H} 7501$

Net .27
TE. 48 "VIOEOTAPE RECDROING" by George B. Goodall. Semi-technical book shows how video tape recording is done. 48 pages. $6^{*} x$ $9^{\prime \prime}$. Illustrated.
10 H 7502

TT-246 CDLOR-CODING INDEX ANO CUEING SPOTS. (Not lllus.) Self.stick numbered spots applied to tapes for easy identification of recorded subjects. Numbered 1 to 8. 8 each of 6 colors, Red, Blue, Orange, Green, Yellow, White.
28 H 7147 $\qquad$ Net .99
TL-5 COLOR-COOING TAPE BOX ENDS. (Not lllus.) Box ends code contents, indexes, reinforces lids, and adds decor as well as hinges separate boxes. 5 each Red, Blue, Orange, Green, Yellow and White. Total of 30 self-stick box ends.
28 H 7148
Net 1.49
TT. 16 COLOR-CODING LEADER TAPE. (Not Illus.) Reinforces tape ends. Ends tape waste. Color codes subjects, beginning and end of recordings. 100 ft . each of 5 colors: Red, Blue, Yellow, Green, and White.
28 11 7149 $\qquad$ WL. 1402. $\qquad$ Net 2.39
TL-240 COLOR-CODE TITLE LABELS. (Not IHLus.) 40 each, 6 colors: Red, Blue, Green, Yeliow, and White $2^{\prime \prime} \times 1 / 2^{\prime \prime}$ self-stick labels. Write or type on them.
28 H7150
Pkg. of 240
Net .99
TE.96 "WHAT YOU SHOULO RNOW ABOUT YOUR TAPE RECOROER." 96 pages. Illustrated. $43 / /^{\prime \prime} \times 7^{\prime \prime}$. A valuable guide to care, use, and operation of tape recorders. Trouble shooting guide.
10 H 7603
Net 69
TE-127 "TAPE RECORDING TNE SOUNOS OF YOUR LIFE." 128 pages. Illustrated. 43/4 x $7^{\circ}$. Recording techniques fully explained. learn how to make creatlve sound your hobby.
10 H 7604
Net 89 TE-129 "HOW TO GET THE MOST OUT OF TAPE RECOROING." 128 pages. Illustrated. $43 / 4^{\circ "} \mathrm{x}$ 7". 12 chapters of practical uses for your recorder, for business and pleasure. All about portable recorders, taping, shortwave, recording with transceivers, and adding sound to 8 mm films and slldes. 10 H 7605

MAGNETIC BULK TAPE ERASERS. Erase sound from tape to below normal erase head level. Erase entire reels of tape in seconds without rewinding. Also erase sound from magnetic stripped 8 and 16 mm film. All units $110-120$ v. $50-60$ cycles A.C.
(0) TM-99 PROFESSIONAL BULK ERASER. FOR reels up to $101 / 2^{\prime \prime}$ dia. x $1 / 2^{-\prime}$ wide. Erasure 3 to 6 db below normal erase head level. Size: $51 / 4^{*} \times 63 / 4^{\prime \prime} \times 33 / 4^{=}$.
28 H 6024 UL Listed. Wt. $81 / 2$ lbs. Net 27.59
(P) TM. 77 DELUXE BULK ERASER. For reels to $7^{\prime \prime}$ dia. $\times 1 / 4^{*}$. Erasure 2 to 4 db below normal erase head level. Size: 23 年" $\times 334^{\circ} \mathrm{x}$ $61 / 4{ }^{\prime \prime}$
28 H 6025 $\qquad$ WL. 5 lbs. $\qquad$ Net 15.89
(A) TM.8s STANDARD BULK ERASER. Hand held model. Erase tapes by moving unit over both sides of $1 / 4^{-}$tape, any size reel. Also demagnetize guide posts, capstans, fly. wheels. Size: $4^{\prime \prime} \times 212^{\prime \prime} \times 41 / 4^{\prime \prime}$. 28 H 7152 Wt. 4 lbs . Net 10.49
(S) TM- 2 MAGNETIC TAPE EDITING PEN. Remove single sounds, noise, etc., from small areas of recordings. Fade in and fade out sounds.
28 H 7154 $\qquad$ Wt. 3 oz $\qquad$ Net 1.19
(1) TD-6 DELUXE PROFESSIONAL HEAD DE. MAGNETIZER. For peak recorder perform. ance. Remove signal damaging residual magnetism from heads for optlmum signal to nolse ratio. $110-120$ v., 50.60 cy . A.C. Size: 45/8" $\times 11 / 4^{\prime \prime}$ dia. UL Listed. $\qquad$ Net 6.59
(U) TD-3 DELUXE MEAD DEMAGNETIZER. PIastic encapsulated. $110-120$ v., 60 cy. A.C. Size: $342^{\prime \prime} \times 11 / 4^{\prime \prime}$ dia.
28 H 6027 Wt. 8 oz._ Net 3.90 TG-7 TAPE-CARE PACK. 12 Plastic reuseable Tape Clips and 2 Tape Jockey Cloths to clean and lubricate tapes. (Not Illus.)
28 H 7155 $\qquad$ Wt. 502.
Not illus Net .79 TG-1 TAPE THREADER. (Hot ifius.) Easy threading of tape on any reels.

Wt. 202. $\qquad$ Net .59


PROFESSIDMAL A/V TAPE ACCESSORY KITS. For language lab, recording studio, audiovisual depts., and serious home recordists.
(V) TK-12 PROFESSIDMAL KIT. Contains: TS-80 Splicer, 6 rolls, 1/2* Splicing Tape, Tape Threader, Tape Jockey Cloth, Head Cleaner, Head and Guide Lubricant, $24^{\circ}$ Tape Clips, 150 Reel Titie Labols, Tape Strobe and Light Kit, TM-99 Bulk Tape Eraser, and TO-6 Head Demagnetizer. Shpg. wt. 14 lbs.
28 H $7051 \$ 5$ monthty $\qquad$ Net 49.25
TM. 11 audio-visual KIT. (Mot Illus.) Contains: TS-4S Tape Splicer, TM-77 Bulk Tape Eraser. TD-3 Head Demagnetizer, roll of $3 / 8^{*}$ $x$ 274" Spllcing Tape, TK-6 Head Cleaner and Lubricant Kit. Tape Strobe and Light Kit. Tape Theader, Tape Jockey Cloth, 150 Title Labels, 75 Tape Clips, and 150 "Swabbies" for safe cleaning and olling of equlpment. Shipg-wt. 9 lbs.
28 H 7124
Net 29.00
(W) TK-14 RECORDER MAINTENANCE KIT. Better recorder and tape care. Head Demag. nellzer removes signal damaging resldual magnetism from recorder heads. Two Tape Jockey Cloths to clean and fubricate tapes. $3^{\text {" }}$ reel of "Tape-Clean" to clean heads and guides.
28 H 7159

$$
\text { wt. } 7 \mathrm{oz} .
$$

Net 3.98

## TAPE RECORDER CARE ACCESSORIES

TAT-100 RECORDING HEAD AZIMUTH ALIGM. MENT TAPE. (Not Illus.) Facilltates proper alisnment of tape heads for maximum sound output. $100^{\circ}$ on $3^{\prime \prime}$ reel.
28 H 7118
Wt. $40 z$ $\qquad$ Net .99
(X) Tw-1 PRECISIOM TAPE STROBE. Checks speed accuracy, wow and flutter of $71 / 2$ and 33/4 Ips recorders. Highly accurate, all metal precislon machined, chrome plated strobe. Needle bearings. Instructions.
28 H 7117
Wt. 1 lb .
Net 5.99
THC- 1 HEAD-KLEEM AND POLISHING TAPE. (Not illus.) 3" reel, 225 ft ., Polishing Tape. Removes oxldes and all particles from heads when played.
28 H $7160 \ldots$ Wt. 3 oz._._._Net .99

TAPE-CLEAN. Chemically treated cloth tape cleans and lubricates heads and guldes of recorder when played. Deposits film of Silicone for friction-free tape path. THC-3, ${ }^{\text {n }}$ reel, Tape-Clean
28 H 7116 Net .99 THC-5, 5 $\qquad$ THC-5, $5^{\prime \prime}$ reel, Tape-Clean
28 H 6035 $\qquad$ Net 1.69

TX- 20 TAPE HEAD CLEANER. 2 02. bottie with applicator. (Not lllus.) Wt. 4 oz . 28 H 6031 $\qquad$ Net .59
TK- 6 TAPE head cleaner and tube kit. Two 2 oz. bottles of Head Cleaner and Head and Guide Lubricant. (Not IIlus.) 28 H 7085 $\qquad$ Wt. 602 $\qquad$ Net 1.15
(Y) 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 "Swabbles" included for easy cleaning and oiling in hard to reach places.
28 H $7049 \ldots$ Wt. $11 / 2$ lbs......... Net 2.19
Empty Tape Reels For Every Recording Heed Popular sizes, colors, Key: * Assorted Colors aty. Net Stock Mo. Mrr's Type Size in Pkg. Price
 LOW TORQUE REELS. The targer hub reduces the force (torque) required to wind tape steadlly and eventy to reduce wow and flutter. Low Torque Reels are used by professionals and all the major recording companies.
$\begin{array}{lllll}28 \text { H } 7131 & \text { TR53.2 } & 5^{*} & 2 & .99 \\ 20 \mathrm{H} 7102 & \text { TR74.2 } & 7^{\prime \prime} & 2 & 1.18\end{array}$
TK-2 TAPE KARE KIT. Head Cleaner and Tape Jockey Cloth. Wt. 6 oz .
28 H 7048
Net 1.15

RMC-G PLASTIC MAILING CAMISTER. High impact plastic. Reuseable. For up to $31 / 4^{*}$ reels. Includes 2 -sided address cards. Package of 6. (Not lllus.) Shpg. wt., 5 oz . 28 H 7156

Net .99
TMC-30 DOUBLE-SIDED MAILING CARDS. Package of 6 cards for RMC-6 canisters. (Not lllus.) Shpg. Wta, 30.
28 H 7157
Net 69
TB. 15 CARDBOARD TAPE MAILIMG BOXES. Pachage of 15. For up to $31 / 4^{\prime \prime}$ reels of tape. (Not lllus.) Shpg. wt., 6 oz .

## 24 H 7158

$\qquad$ Net .69

## TPP- 2 SELF-STICK REPLACEMENT RECORDER

 PRESSURE PADS. Assortment of 44 Pre-Cut and 2 "U-Cut-It" self.stick felt pads to flt all recorders. Wt. 2 oz. 28 H 7111_ Net 69
TC. 75 TAPE CLIPS. (Not Illus.) Keeps tapes from unwinding. Fits all reels. 75 plastic reuseable clips in handy plastic contalner. 2t H 7109 Wt . 8 oz .

ROBINS TAPE HEAD MAMUAL
 AND STERED CONVERSIDN GUIDE. Cross reference of replacement and stereo conversion heads. Lists manufacturers, models, and Robins exact replacement head numbers, 16 pages. Illustrated.

## 28 H 7052

$\qquad$ FREE!


## ROBINS STEREO CDNVERSION

 KITS. Converts $90 \%$ of all U.S. made 2 track recorders to 4 track with only a screw. driver and pliers. Kit contalns: 4 track $R / P$ head, head alignment tape, hardware, and Instructions. Wt. each 8 or28 H 70535 K 17 KIT (5QT17 head) Net 12.00 28 H 7054 5K17U KIT (5QT17-35 head) mounts from opposite side

Net 15.60 ROBIMS TAPE RECORDER MEADS. FOr replacement and stereo conversion information see Robins Head Manual. Recording heads with * can be converted to 2 or 4 track stereo. gatE3 Erase head is 4 -track replacement for $5 S 1$ and 5SSI Erase heads. Code under "Use" column indicates type. No. is number of tracks; S for Stereo; $M$ for Mono; R/P for Record/Play; E for Erase.

| Stock No. | Mfr's Mo. | Use | $\begin{aligned} & \text { Met } \\ & \text { Price } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 28 H 7055 | 2FM20-500 | 2SRPE | \$13.20 |
| 28 H 7056 | 3F20-301 | 2SRP | 19.20 |
| 28 H 7058 | 3 M M $20-304$ | 2MRP | 8.70 |
| 28 H 7060 | 3FM20-502 | 2MRPE | 23.10 |
| 28 H 7061 | 3L20-301 | 2MRP | 6.60 |
| 28 H 7062 | 5 AV17 | 4SRPE | 21.30 |
| 28 H 7063 | 5 P 17 | 4SRP | 15.00 |
| 28 H 7064 | 50117 | 4SRP | 10.50 |
| 28 H 7065 | 50117-305 | 4SRP | 14.40 |
| 28 H 7066 | 551 | 2ME | 4.80 |
| 28 H 7067 | 5S1-303 | 2ME | 4.80 |
| 28 H 7068 | 5SS1 | 2SE | 8.70 |
| 28 M 7070 | 6AV17-203 | 4SRPE | 15.90 |
| 28 H 7138 | 6AV17-200 | 4 SRPE | 15.90 |
| 28 H 7071 | 7817 | 2SRP | 9.90 |
| 28 H 7072 | 7EM12A | 2ME | 5.40 |
| 28 H 7073 | 7H17 | 2MRP | 6.60 |
| 28 H 7074 | 7H40 | 2MRP | 5.70 |
| 28 H 7075 | 7H17-302 | 2MRPE | 8.79 |
| 28 H 7076 | 7HV40-301 | 2 MRPE | 8.70 |
| 28 H 7077 | 7L17 | 2MRP | 6.60 |
| 78 H 7078 | 7L17-308 | 2MRP | 6.67 |
| 28 H 7079 | 90TE3 | 4SE | 6.60 |
| 28 H 7139 | 10 H 25 | 2MRP | 6.60 |
| 28 N 7081 | 10L17-304 | 2MRP | $6.6 n$ |
| 28 H 7082 | 40EM12A | 2ME | 5.40 |
| 28 H 7783 | 40E03-301 | 4SE | 5.70 |
| 28 H 7084 | 50ME6-201 | 2ME | 4.80 |
| 26 H 7112 | HRE-1 | 2SRPE | 13.20 |

# Thortronics <br> Tape Heads and Accessories <br> Premium quatify no-mount heads for replacement and conversion <br> Response $40 \cdot 20,000 \mathrm{kHz}$ at $71 / 2$ ips. Crosstalk rejection 55 db . For 

 purposes. Use with mounting kits, below, for easy installation.| Stoch No. | Mfr. No. Type | Imp. | Net Ea. |  |
| :--- | :--- | :--- | :--- | ---: |
| 28 H 5701 | 1000 | 4SRP | Hi | 21.00 |
| 28 H 5715 | 1001 | 4SRP | Med. | 21.00 |
| 28 H 5797 | 3000 | 2MRP | Hi | 8.40 |
| 28 H 5798 | 3001 | 2MRP | Med. | 8.40 |
| 28 H 5709 | $14 C 0$ | 4SE | HI | 12.00 |
| 28 H 5710 | 1401 | 4SE | Med. | 12.00 |
| 20 H 5713 | 3600 | 2ME | HI | 8.00 |
| 28 H 5714 | 3601 | 2ME | Med. | 8.00 |

QUIK-KIT MOUNTING HAROWARE

| Stoch No. | QR No. | Deseription | Not Ea. |
| :---: | :---: | :---: | :---: |
|  |  | SIDE-MOUNT |  |
| 28 H 5735 | 18 | All erase | 1.00 |
| 28 H 5734 | 20 | $30 C 0$ RP series | 1.00 |
| 29 H 5733 | 38 | Other RP | 1.00 |
|  |  | BASE-MOUNT |  |
| 28 H 5738 | 19 | All erase | 1.00 |
| 28 H 5737 | 21 | 3000 RP | 1.00 |
| 28 H 5736 | 66 | Other RP | 1.00 |
|  |  | SPECIALS |  |
| 28 H 5792 | 102 | Sony RP | 1.75 |
| 28 H 5794 | 118 | Webcor RP | 4.00 |
| 2日 H 5799 | 119 | Sony RP | 1.00 |
| 28 H 5795 | 305 | Sony erase | 3.00 |

frequencies to $100 \mathrm{kHz}, \mathrm{Av}$. wL. 6 oz .

AT-100 Alignment tape. Full-track $71 / 2$ lps. For head azimuth alignment \& NAB testing frequency response of any recorder or tape head. Wt., 402
28 H 5758
Net 4.95 chrome-plated brass w/hdwe \& instr. Wt. 302.

28 H 5751
Net 1.00 Osciliator Transformers. For high frequency AC blas to record heads \& erase heads. Pro vides $40-120 \mathrm{~V}$ RMS at $60-100 \mathrm{KHZ}$. Wt., 602 . T-60F type. For tube circuits with high \& med. imp, heads.
2) H 5759 .................................................. 4.50

## AOJUSTABLE MOUNT ASSEMBLIES.

Complete Range of adjustment for height, face and azimuth. Can use with TG-7 quide
 w/0 tabs. Wt. . 4 oz.

T-6012 type. For transistor circuits \& med. imp. heads
28 H 5760
Net 4.50
TG-8 Adjustable Tape Guide Plate. For use with side-mount heads where additional tape ruidance Is needed, Wt., 302.
28 H 5763
Net 50
L-6 Mounting bracket. Right angle universal for side-mount heads. Narrow base, 2/azimuth Dlate. Wt, $30 \mathbf{0}$.
28 H 5796 ................................................... 70
L. 7 Mounting brachet. As above with left angle.
20 H 5801
Net .70


R-Record; P-Play; E-Erase. Mounting hardware where required. (See below). With instructions. Average wt. 1 ib.


# CRITERION $20 A$ "THE MINIATURIZED" 2 SPEAKER 2 WAY SYSTEM 

- 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

POWER HANDLING CAPACITY: 20 WATTS

ONLY $57 / 8 \times 113 / 4 \times 71 / 8^{\prime \prime}$

A brilliant achievement in acoustic design, the Criterion 20A is hardly bigger than a table radio, yet offers astonishing high fidelity reproduction. The rich, deep-down bass delivered by this minlaturesized system must be heard to be belleved - compares with systems many times its size! Music reproduced through the Griterion 20A comes through with complete naturalness... gives you sound that is excitingly real - you get full, wide-range response, from the lowest frequencles all the way up to the limits of the audlo range. Yet this remarkable speaker system measures only $5 \% / 0 \times 11 \%$. x71/:" deep and fits anywhere... on a bookshelf... table .. even on a wall! And, it has the look of fine furniture - comes finislied on all four sides in a rich, hand-rubbed olled walnut veneer, tastefully framed in an ebony and gold picture-frame molding with white gold acoustic grille material.
The Criterion 20A is not an extension speaker but a minlaturized system specially developed to provide high quality reproduction with any fine mono or stereo component amplifier. Its amazing
performance is made possible by the use of specially designed speakers. A powerful 5 -inch woofer equipped with a large magnet structure and voice coil, provides high efficiency and power capability. Special cone suspension results in extremely high compliance and permits large cone excursions to provide efficient, solid bass all the way down to 45 cycles. A 6 db per octave L.C crossover network transfers power at 2800 cycles to a newly developed back loaded mid-range/high frequency unit which provides realistic "presence" and brilliant highs. Enclosure is rigidly constructed and filled (not just lined) with acoustic dampening material to assure freedom from resonances and provide smooth, unlform response. Power Rating: 20 watts program material. Frequency Response: 45 to $20,000 \mathrm{cps}$. Crossover Frequency: 2800 cps . Nominal Impedance: 8 ohms. Imported. Shpg. wt. 8 lbs.
99 H 0168 W
Net 22.95
Set of 2 for Stereo-SAVE $1.40 \$ 5$ Monthly
Net 44.50

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

- $8^{\prime \prime}$ Woofer Plus $4^{\prime \prime}$ Tweeter
- "Tuned" Enclosure with Tube-Type Ducted Port
- Overall Response 35-18,000 Cycles
- 3000 cps Electrical Crossover
- Handsome "Criterion" Styling
- 20-Watts Power Handling Capacity

A true 2-way bookshelf-type speaker system that offers ampressive hi-fi sound, yet measures only $19 \mathrm{~W} \times 8^{5} / 80 \times 10^{3} / 4^{\prime \prime} \mathrm{H}$. Contains two separate speakers. A heavy-duty 8 -inch woofer provides reproduction of the low and mid-range frequencles. A 4 -inch cone-type tweeter provides reproduction of the high frequencies (to beyond audiblity). Electrical crossover at 3000 cycles. The enclosure is a bass-reflex design using a ducted port of the tube type to provide proper acoustic "tuning" of the enclosure with the speaners used. The tube provides a special path for the low frequency sound waves radiated from the rear of the wooter so that they energe "instep" with those radiated from the front of the speaker. This provides substantially greater bass sound power from the system. 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. Rated at 20 watts. Designed for vertical or horizontal placement. Overall response: $35-18,000$ cycles. Nominal impedance: 8 ohms. Imported. Shpg. wt., 28 lbs.
99 H 0128 WX Criterion 50
Net 29.95


## famous lafayette quality AND PERFORMANCE FOR ONLY



# Criterion " "100A" 10 " 2 Speaker 2 Way System 

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



## SYSTEM 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 cycles.


#### Abstract

5 Ybar Suarambas A Lafayette quality product that is guaranteed againat defects in material and work. manship 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 trensportation.


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

An unusually compact speaker system that delivers 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 $211 / 2 \mathrm{~W} \times 113 / 4 / \mathrm{H} \times 10^{1} / 2^{\prime \prime} \mathrm{D}$. Overall frequency response: 20 19,000 cycles; crossover frequency: 2,800 cycles; nominal impedance: 8 ohms; power handling capacity: 30 watts program material. Imported. Shpg. wt., 30 lbs.


## Breathtaking Performance Power Handling Capacity 40-Watts


#### Abstract

5 3toat Suatamkeo A Lafayette quality product that is guaranteed arainst defects in material and workmanship for 5 years. If this unit fails to operate due to such defecta, simply return It prepaid with your original sales slip or order. Lefayette will repair it without charge including return transportation.


- Powerful $12^{\prime \prime}$ Woofer With $21 / 2^{\prime \prime}$ Diameter Voice Coil and 1 LB Magnet
- 3" Dome-Type "Super" Tweeter With 1" Diameter Voice Coil
- 2 Controls: Brilliance \& Presence
- $8^{\prime \prime}$ Closed-Back Midrange Unit
- Acoustically "Tuned" Enclosure
- L-C Crossover At 700 and 5000 cps
- Overall Response 20 to $25,000 \mathrm{cps}$

One of our finest speaker systems - manufactured to rigid specifications and designed to provide full, wide-range response from a low 20 cycles all the way up to 25,000 cycles! 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 $24 \mathrm{~W} \times 14 \mathrm{H} \times 12^{\prime \prime} \mathrm{D}$. Overall Frequency Response: 20 to $25,000 \mathrm{cps}$. Crossover Frequencies: 700 and 5000 cps . Impedance: 8 ohms. Power Handling: 40 watts program material. Imported. Shpg. wt., 35 lbs's.
99 H $0149 W \mathrm{X} \$ 5$ Monthly
Net 69.95


## SYSTEM DESIGN

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 $3 / 4^{\prime \prime}$ wood construction, internally braced, plus the liberal use of sound absorbent material, ensures an extremely rigid enclosure, free of undesieable resonances. A special $12^{\text {" }}$ woofer with 1 lb magnet and a $21 / 2^{\prime \prime}$ diameter voice coil covers the range from 20 to 700 cycles and employs a foam-treated cone for efficient, distortion-free bass reproduction. An $8^{\prime \prime}$ midrange speaker covers the 700 to 5000 cycle 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 cycles to $25,000 \mathrm{cps}$. All three speakers are acoustically matched -and employ an L.C crossover network for crossover at 700 and 5000 cps . System includes brilliance and presence controls.

## SRLAFAYETTE <br> Speaker Systems



## "Criterion $150 " 10$ " 2-Way Acoustic Suspension Speaker System

## 5 Year Guaranloe

A- Lafayette quality product that is guaranteed against defects in material and workmanshin 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


- Power Handling Capacity-40 Watts
- Overall Response-20-20,000 cps.
- Electrical Crossover-2000 cps.
- High Frequency Brilliance Control
- Fine Furniture Oiled Walnut Finish
- Completely Sealed and Damped Enclosure

High quality, excellent performance ${ }_{\text {a }}$ and handsome decorator styl. Ing keynote the exciting Lafayette "Criterion 150" Speaker Sys. tem. 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 highly compliant woofer This woofer is acoustically suspended and is free from the usual mechanical limiting suspension. Instead the wooter actually rides on the air within the sealed enclosure. This alr is used as a spring suspension element. The extremely long cone excursion 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 achleved with the added extra of wide angle sound dispersion. The criterion 150 also features a high frequency "brilliance"" control on the rear of the cabinet. This enables balance of high frequency tones to suit individual tastes and match various room conditions. A built-in inductor and capacItor (LC) electrical crossover network is adjusted for 2000 cps. to assure independent peak-free highs. The enclosure is of solid construction with fiberglass packing to virtually eliminate undamped resonance. All four sides are finished In luxuriant handrubbed olled walnut veneer with gold frame molding and contem. porary beige grille. Imported. Shelf size: $19 \mathrm{~W} \times 11 \mathrm{H} \times 9^{\prime \prime} \mathrm{D}$. Shpg. wt., 17 lbs.
99 H 0181wx $\$ 5$ Monthly
Net 49.95

## SPECIFICATIONS

System Response: $20-20,000$ cps., Woofer: $10^{\circ}$ acoustic suspen sion, high compliance with long excursion cone. Response, 20. 2,000 cps. Tweeter: $31 / 2^{\prime \prime}$ high frequency wide dispersion. Response, $2000 \cdot 25,000$ cps. Crossover Network: Electrical (C-C) en ergy transfer circuit. Crossover Frequency: 2000 cps . Power Capacity: 40 Watts. Impedance: 8 ohms.

## Only <br> $89^{95}$ <br> 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 Ampliflers and Receivers
- Overall Response 20-25,000 CPS
- Separate Midrange and High Frequency Controls
- Fine Furniture Oiled Walnut Finish

Our finest specially developed 3-way speaker system 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 musical enjoyment. Heart of the system is a special $12^{\prime \prime}$ high compliance woofer. Free of the usual mechanical suspension, this woofer actually uses the air within the sealed enclosure as a spring suspension element. This arrangement, used with a speaker capable of extremely long cone excursions, glves bass reproduction that is outstanding In its depth and power. Mldrange frequencies are flawlessly reproduced by a $61 / 2^{\prime \prime}$ cone driver which employs a sealed back to avoid interaction with the woofer and to prevent alr leakage from the enclosure. A $3^{\circ \prime}$ metallic, dome-type 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 listening requirements. Fully air-tight enclosure is solid $3 / 4$ " construction with internal bracing and filled with fiber glass to prevent resonance. Finished on all four sides in rich, hand-rubbed olled 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: $23 \times 131 / 2 \times 113 / 4$ " deep. Imported. Shpg. wt., 32 lbs.
99 H 0176wX $\$ 5.00$ Monthly
Net 89.95

## SPECIFICATIONS

System Responseq 20 to $25,000 \mathrm{cps}$, Woofer: $\mathbf{1 2}^{\prime \prime}$ acoustic sus. pension, high-compliance type with long-throw voice coll. Response, 20-1200 cps. Midrange: $61 / 2^{\prime \prime}$ cone drlver with sealed back. Response, $1200-6000 \mathrm{cps}$. Iweeter: $3^{\circ \prime}$ high frequency metallic dome-type. Response, $6000-25,000$ cps. Crossover: Elec. trical (L-C) network at 1200 and 6000 cps . Power Capacity: 50 watts IHF. Impedance: 8 ohms.

## 5 Year Guarantee

A Lafayette quality product that is guaranteed against defects In material and workmanshin 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 3-Way System Mounted In A Completely Sealed And Damped Enclosure




Specially Hatched Components in a Completely Sealed and Damped 3/4" Wood Enclosure


- Power Handling Capacity-30 Watts
- $6^{\text {" W Woofer plus 3" Tweeter }}$
- Solid $3 / 4$ " Construction
- High Frequency Brilliance Control
- Crossover-Electrical $2,500 \mathrm{cps}$.
only $39_{\text {No }}^{95}$
No Money Down

New, outstanding, compact, 2-way bookshelf speaker system mounted in a completely sealed and damped enclosure. Uses the acoustic suspension principle to extend low fre. quency response down to 30 cps for deep rich bass. Powerful 61/2." woofer features a mass loaded cone especially matched to the enclosure. Closed back, 3" cone type tweeter prevents speaker interaction and provides high frequency coverage to $20,000 \mathrm{cps}$. A 2,500 cycle crossover network is built-in with an external brilliance control to adjust the out. put level of the tweeter for proper balance of volume between the high and low frequencies. Can be connected to amplifiers with a power output as low as 3 watts, or as high as 30 watts per channel. Impedance: 8 ohms. Styled in hand rubbed, oiled walnut finish on four sides. Acoustic grill is set off with contrasting ebony and gold picture frame molding. For vertical or horizontal placement. Size: $15 \times$ $81 / 4 \times 71 / 4$.' Imported. Shpg. wt., $71 / 2 \mathrm{lbs}$. 99 H 0192 WX $\$ 5$ Monthly

Net 39.95


#### Abstract

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 sllp or order. Lafayette will repair it without charge including returning transporta. tion.


## "decor-ette ${ }^{\text {® }}$ " SLIM TYPE 5 SPEAKER SYSTEM <br> ${ }^{\text {onf }} 344^{95}$ <br> 2 FOR 68.95 <br> No Money Down



[^6]- Four Specially Engineered $61 / 2$-inch Low Resonance Speakers-One $2^{1 / 2}$-inch Cone Type Tweeter. Designed to achieve optimum performance in a thin type audio-panel enclosure of only $4^{1 / 4}$-inches in thickness.
- A superblystyled oiled walnut veneer enclosure with magnificent walnut picture frame molding, bordering a fine decorative Cane Grille.
- Freq. response $50 \cdot 18,000 \mathrm{cps}$.
- Power handling Capacity 25 watts.
- Crossover Electrical 2,500 Cycles.
- Impedance-8 ohms.

A dazzling 5 -speaker system - magnificently styled and offered in an ultra-slim enclosure only $41 / "^{"}$ deep. Four $61 / 2^{\prime \prime}$ 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 cps-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 equlpped with decorative cane grill on both sides-makes it perfect for use as a room divider! Supplied complete with matching legs. Dimensions: $213 / 4 \mathrm{H} \times 175 / 8 \mathrm{Wx}$ $41 / 4$ "D. Overall Frequency Response: 50 to $18,000 \mathrm{cps}$. Power Handling Capacity: 25 watts program material. Nominal Impedance: 8 ohms. Imported. Shpg. wt. 17 Ibs. 99 H 0008wx $\$ 5$ Monthly

Net 34.95
2 For 68.95


## SPECIFICATIONS:

- Overall Response: 20-20,000 cps
( $40-16,-000 \mathrm{cps} \pm 3 \mathrm{db}$ ).
- Free air Resonance: $45-65 \mathrm{cps}$.
- Impedance: 8 ohms.
- Power Rating: 20 watts Integrated Progràm Material.
- Crossover: $2,500 \mathrm{cps}$.
 Baffle cutout: $71 / 32^{\prime \prime}$.
- Rugged, vibration-free speaker frame with color-coded screw-type terminals for quick easy connection of amplifier leads.


## SK-98 $8^{\circ \prime}$ DUO-CONE HI-FI SPEAKER

The Lafayette SK-128 $\quad 8^{\circ}$ Biaxial Speaker offers full, even coverage of the entire audible 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-llke 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 resonances. 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 built-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 amplifier 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 H 0032 Shpg..wt., 5 lbs..............................................


- Mechanical 2-Way Design
- Overall Response 40-16,000 Cps.
- Large Magnet Structure

ONLY

- 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 resoonse normally found in true coaxial speakers or multiple speaker systems. The woofer 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 cDs. Magnets are large and heavy, with a flux density of 10.500 gauss and total flux of 56.000 maxwells. Free air resonance is $55-70 \mathrm{cps}$; impedance is 8 ohms. $41 / 2^{\prime \prime}$ deep. Shpg. wt. $51 / 2 \mathrm{lbs}$. Imported.
99 H 0027 8*2-WAY SPEAKER


## a.i) $13^{95}$

NEW! LAFAYETTE COMPACT 8" SPEAKER ENCLOSURE - Ideal For Use With Lafayette SK-128 and SK-98 As Well As All 8" Wide Range Hi-Fi Speakers

- Solid 3/4" Wood Construction

All compact, decorator styled speaker enclosure for bookshelf. table or wall mounting. Finished in oiled walnut veneer to lend a note of elegance to any decor. Features vented port design for improved bass response. Has fiberglass acoustic lining. solid $3 / 4^{\prime \prime}$ wood construction, plus factory mounted prill cloth. Back has two lug terminal strip. $12 \times 15 \times 91 / 4^{\prime \prime}$ deep. Shpg. wt., 11 tbs.
20 H 1314WX
Net 13.95


# Hi-Fi Speakers 



- $11 / 4$ Lb. Magnet Weight
- Response 30-15,000 CPS
- 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, hi- fi enthusiasts and professional experts alike. It provides a truly faithful 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 ultralinear, distortion-free response; heavy rugged cast metal frame for freedom from resonances and for greater rigidity. The coaxially mounted horn-type tweeter provides brilliant, distortion-free reproduction of high frequencies with no back radiation. With the builit-in 3000 cps crossover network it contributes its share to the smooth dellvery of the overall wide range response of $30 \cdot 15,000 \mathrm{cps}$. Woofer resonance in free air is 40 cps . Speaker power handling capacity is 20 watts continuous sine wave, 35 watts peak program material. Impedance of the volce coll 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 H 0014 W
Net 24.95

## $24^{95}$

 SAVE $5.00{ }_{20.95}^{\text {mass }}$1967 Catalog 670

## 5 Yeaぇ Guaranloe FOR MODELS SK-58A AND SK-180

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 transjortation.

- Frequency Response 20 to $20,000 \mathrm{cps}$
( $30-18,000 \mathrm{cps} \pm 3 \mathrm{db}$ )
- Revolutionary Conical "Stiffener"
- Eccentric Baffle Mounting of Midrange \& Tweeter Eliminates Interaction Between Speaker Cones
- Built-in Crossover Network and Brilliance Control
- High Excursion Woofer

The 10" "Trihelix" is a complete three-way speaker system with three mechanically and electronically independent speakers mounted within a single 10 -inch frame. Although they are individual units the 2 -inch tweeter and 5 -inch midrange speakers have been specially designed to comptament the woofer. Specially treated woofer cone employs a "conical stiffener" which enables the woofer to deliver a smooth solid bass that balances naturally against a crystal clear midrange and natural treble. Built-in electrical crossover network allows each speaker to reproduce its portion of the audio spectrum smoothly and efficiently. An adjustable brilliance control permits matching of sound to room acoustics. SPECIFICATIONS - Overall Response: $20 \cdot 20,000$ cps. ( $30 \cdot 18,000 \pm 3 \mathrm{db}$ ). Free Air Resonance: 35-55 cps. Impedance: 16 ohms. Power Rating: 20 watts (average). Crossover Points: 1500 \& 5000 cps. Overall Diameter: $10^{*}$. Overall Depth: 7". Baffle Cut-out: 87/8. Imported. Shpg. wt., 8 lbs.
Depth: 0020 W
Net 24.95
20 H 0109w Adapter Board To Fit Speaker to 12" Enclosure Cut-out.
Shpg. wt.. 1 lbs. 4 oz. Net .99

[^7]
# SK-500 PNEUMATIC AIR SUSPENSION 12" 3-WAY SPEAKER 

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

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


#### Abstract

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 air suspension woofer, precisely balanced mid-range radiator and a powerful "dome lens" compression-type multicellular radial treble hom, 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 sus. pension. Has "Rigidflex" free-edged surround to ellminate standing waves and surround resonances. Frequency response is $25-30,000 \mathrm{cps}$. 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 silkiness and naturalness. A bulit in crossover allows the treble horn to take over at 5000 cps. High frequency L.Pad control is provided with attractive escutcheon and knob. Impedance 8.16 ohms. Overall depth $61 / 2^{\prime \prime}$. Shpg. wt., 18 Jbs 21 H Ol40WX $\$ 5$ Monthly Net 37.95


## 5 Year Grazanlee <br> FOR SK-500

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


## NEW! LAFAYETTE 12" BOOKSHELF SPEAKER ENCLOSURE



- Ideal For Use With Lafayette SK-58A, SK-500, and SK-180* or Any 12" or $10^{\prime \prime}{ }^{*} \mathrm{Hi}$-Fi Speaker
- Solid 3/4" Wood Construction

Beautiful, oiled walnut veneer speaker enclosure, features quality construction plus contemporary styling. Custom designed to accept Lafayette $12^{\prime \prime}$ or $10^{\prime \prime}$ speakers, including 2 and 3 way types. Solid $3 / 4^{n}$ wood construction. Dual vented port design plus fiberglass lining gives improved bass response. Acoustically transparent grill 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. "With $10^{\prime \prime}$ adapter board.
20 H 1315 Wx Shpg. wt., 26 lbs.
Net 22.95
20 H 0109 W Adapter Board for $10^{*}$ speakers
Net .99


## 5 Geat Guavante

A Lafagette quality product that is guaranteed against defects in material and workmanship for 5 years. If this unit fails to onerate due to such defects, simply return it prepaid with your original sales slip 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 DB/Octave Cross-over Network with High Frequency Level Control
- Precision Pressure-Driven Horn-Loaded Tweeter with Aluminum Diaphragm \& Coil
- Massive $5 \cdot \mathrm{lb}$. Ceramic Magnet
- 3-inch Main Voice Coil
- Overall Frequency Response: $20-20,000 \mathrm{cps}$
- Cone Resonance Frequency: 25 cps
- Power Handling Capacity- 50 Warts

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 5 ib super effl. cient double duty cylindrical ceramic magnet. Woofer, mid. range radiator and compression tweeter are axially mounted to achieve outstanding, efficient wide-range speaker per. formance. With a cone resonance of 25 cps , 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 cps to a highly stable mid-range radiator. A 12 db per octave LC crossover network provides smooth transition at 5000 cps from mid-range to a precision pressure.driven horn loaded tweeter employing an aluminum diaphragm and coil in a self-aligning assembly with air 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 cps; Overall Frequency Response. $20.20,000 \mathrm{cps}$; Magnet Weignt, 5 lbs.: Magnetic Flux Density, over 250,000 Maxwells; Crossover Fre quencies, 2000 and 5000 cps; Power Capacity, 50 watts; Woofer Voice Coil Diameter, 3 inches; Tweeter Voice Coil Diameter. I Inch; Impedance, 16 Ohms. Dlmensions: $61 / 2^{-2}$ overall depth: $151 / /^{\prime \prime}$ diameter. Shpg. wt., 30 lbs. 21 H Ol30WX $\$ 5$ Monthly

Net 64.50

## Deluxe Model SK-216 3-Way 12" High Fidelity Speaker

## Our Finest 12" Speaker

ONLY $54{ }^{50}$<br>No Money Down<br>features MASSIVE 5 LB. CERAMIC MAGNET 3-INCH MAIN VOICE COIL

Custom Built in England To LAFAYETTE's Rigid Specifications

- Massive 5 lb . Ceramic Magnet
- Free-Edged Cone Suspension
- 3-inch Dia. Main Voice Coil
- 12 DB/Octave Crossover Network with Migh 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 exclu. sive patented concentric twingap magnetic system with a massive 5 lb . super efficient double duty cylindrical ceramic magnet. The three elements-woofer, mid-range radiator, compression tweeter-are axially mounted to achieve smooth wide-range speaker performance. The woofer section has a cone resonance of 35 cps , is vacuum constructed by an exclusive process, and features a plastic terminated, freeedge cone suspension completely eliminating standing waves and surround resonances. At 5000 cps, a 12 db per octave LC crossover network provides smooth transition from midrange to a precision pressure-driven horn-loaded tweeter which employs an aluminum coil and diaphragm in a selialligning assembly with air chamber and phase equalizer. This crossover is provided with a high frequency constant impedance L.pad level control for matching of sound to room acoustics and individual listening tastes. SPECIFICATIONS: Cone Resonance, 35 cps ; Overall Frequency Response. $20-$ 20,000 cps; Magnet Weight, 5 lbs.; Magnetic Flux Density, over 250,000 Maxwells; Crossover, automatic mechanical at 2000 cps $-12 \mathrm{db} /$ octave LC at 5000 cps; Power Capacity, 50 watts; Woofer Voice Coil Diameter, 3 inches; Tweeter Voice Coil Diameter, 1 inch; Impedance, 16 ohms. Dimensions: 51/2" overall depth; $121 / 4$ " diameter. Shpg. wt., 25 Ibs. $21^{1 / \mathrm{H}} 0129 \mathrm{WX}$ \$5 Monthly

# BEST SELLING "MINUETTE */II" 2 WAY HI-FIDELITY SPEAKER SYSTEM 

## Room Filling Music Everywhere In Your Home

## $14^{95}$ <br> ea.

- Shelf Size$6^{\prime \prime} \mathrm{W} \times 157 / \mathrm{m}^{\prime \prime} \mathrm{H} \times 91 / 8^{\prime \prime} \mathrm{D}$
- Genuine Oiled Walnut Finish on 4 sides
- 2 Speakers-5"x7" Woofer. 21/2" Tweeter


## - Brilliance Level Control

Lafayette "Minuette/ll" Hi-Fi Speaker System will bring beautiful music to any room in your home-and for a remarkably low cost. Designed for use where space is at a premium -ideal for the small apartment or listening area. Expand your stereo system to other areas of your home...easily used in the den, kitchen, patio or bedroom. Employs a specially designed $5 \times 7^{\prime \prime}$ woofer, electrical crossover at 8,000 cps. plus a $21 / 2^{2}$ tweeter in a ducted-port bass reflex type enclosure. Provides an exceptionally fine musical quality yet measures only $6 \mathrm{~W} \times 15 \% / 8 \mathrm{Hx} 91 / \mathrm{m}^{-\mathrm{D}}$. Small enough to fit anywhere. Superb oiled walnut finish on 4 sides, allows placing speaker horizontally or vertically. Frequency response: 80 to $19,500 \mathrm{cps}$. Features adjustable level control for brit liance. Impedance 8 ohms. Rated at 10 watts. Imported. Shpg. wt.i. 8 lbs.
99 H017iw
Set Of Two For Stereo-SAVE 1.40
Net 14.95
Net 28.50

## DELUXE "UNIVERSAL" BASS REFLEX ENCLOSURE



- 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 tow price for a deluxe speaker enclosure of this quality and flexibility. Provides rich, robust, bass. Solidy constructed of $3 / 4^{4}$ woods consisting of genuine veneer and acoustically correct flakecore. 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 $12^{\prime \prime \prime}, 8 \frac{1}{2} 2^{\prime \prime}$, or $8^{-1}$ midrange. Also includes cutouts with adapter boards' for 2 sizes of rectangular and 3 sizes of round compression tweeters.Dimensions: $28 \frac{1}{6} \times 231 /{ }^{\prime \prime} \times 18^{\prime \prime}$. Shpg. wt., 54 los. 20 H 0131 WX Satin Walnut Finish:- Net 59.95 20 H 0145 WX Gil Walnut Finish


## REVERBERATION AMPLIFIER AND SPEAKER SYSTEM

## Enjoy A New Dimension in Sound



- Ideal for Stereo or Mono Systems
- Does Not Affect Fidelity
- Self-Contained Amplifier/Speaker System 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 $6 \frac{1}{2}$ " PM speaker. Inputs provided are stereo/mono high level and stereo/mono low level. For use with 110.117 volts AC, 50-60 cycles per second. Unit is mounted in a deluxe, beautiful oiled walnut cabinet which measures $111 / / 6 W^{W} \times 7 / \mathrm{HH}^{2} \times 5 \%{ }^{\circ} \mathrm{D}$. Imported. Shpg. wt., 7 lbs . 99 H 0146W


# For Single or Multiple 

## 15" HI-FI WOOFER

Featuring 2-Ib. Magnet

## $24^{95}$



## 12" HI-FI WOOFER

Featuring $2-\mathrm{Ib}$. Magnet

## $22^{95}$

- Peak Power 30 Watts
- 20-2500 Cps
- 20 To 5000 Cps.
- Peak Watts-35 Watts
- 2 " Voice Coil Diameter

Efficient 15" low frequency woofer with 2 lb . magnet. For orig. inal equipment or replacement, it provides highly efficient ex tended low-frequency response. Ideal for assembling 2- and 3-way speaker systems. Handles 35 watts of audio power. Frequency response $\pm 2 \mathrm{db} 20 \mathrm{CPS}$ to 1000 CPS , and $\pm 5 \mathrm{db}$ from 20 CPS to 5,000 CPS with proper baffiling. Voice coil dia, $2^{\prime \prime}$ " impedance 8 ohms. Finished in beautiful brown enamel, Cone is seamiess type. permanently bound to voice cofl. Has 4 -way binding posts. Cone Resonance 45 cDs . Shpg, wt., $13 \mathrm{~L} / 4 \mathrm{lbs}$.

\author{

## 21 H 4719W

 <br> $8^{\prime \prime}$ HI-FI WOOFER <br> Featuring $11 / 4-\mathrm{lb}$. Ceramic Magnet}


This $8^{\prime \prime}$ wooter is an ideal choice for use in 2 or 3 way speaker systems where space is of great importance. The $11 / 4 \mathrm{lb}$. ceramic marnet Insures clean, boom-free response in the low end. A free-edge, high compllance cone is utilized for high efficiency. Power handiling capacity is 25 watts peak. Voice coil diameter $11 / 2^{\prime \prime}$. Cone resonance is 50 cps. 8 ohm impedance. Has 4 -way binding posts for simple installation. Shipg. wt.. 6 lbs. 21 H 4721

Net 10.65

- 1500 to 20.000 cps . Response
- Handles 20 Watts of Power
- Phasing Plug for Uniform Sound Dispersion

This unit offers amazing clarlty and brifHance of sound. Built-in phasing plug insures unlform sound output. Low end cut-off 1500 cps.: high range extends to $20,000 \mathrm{cps}$. Handles up to 20 watts of power. Recom. mended crossover frequency 2500 cps . or higher. Dimensions: $51 / 4 *$ long. mounts in $3 \%{ }^{\circ "}$ dia. hole. Impedance 16 ohms. Im. ported. Shpg, wt., 2 lbs.
99 H 6250
Net 9.95

## NEW MIDRANGE DRIVER HORN

This sturdily constructed $12^{\circ \prime}$ woofer is rated at a full 30 watts audio power. Frequency response from 20 to 2500 cps with the speaker resonant frequency at 30 cps . Quality construction tech. niques provide an accordion type, specially treated edging to add to cone life, Rugged cone construction prevents break-up. By using special wire material in the voice coll circuit, the chance of overheating is minlmized. A heavy 2 lb . magnet and $2^{\prime \prime}$ diameter voice coil permit uniform performance over the entire speaker excursion. Plated steel frame finished in brown baked enamei. Has 4 way binding posts. 8 ohm impedance. Shpg. Wt., $101 / 2 \mathrm{lbs}$, 21 H 4720 binding posts. 8 ohm impedance. Shps. Wt., Net 22.95

## 8" HI-FI MID-RANGE SPEAKER

## DOME LENS

 COMPRESSION

- Built-in 2,000 cps Electrical Crossover
- Frequency Range 2,000 to 18,000 cps
- Handles 30 Watts of Power

High-efficiency wide-angle compression horn-type tweeter. Built-in pre-wired electrical crossover at $2,000 \mathrm{cps}$. Low end cut-off $2,000 \mathrm{cps}$.; high range extends to 18,000 cDs. Handies up to 30 watts of power. Constructed of aluminum, die-cast under high pressure for lasting allgnment with baked-on lacquer finish. Volce coll diam. efer, $3 / 4$ "; magnet weight. 1.402. i impedance 8 ohms, $71 / / \mathrm{Lx} 3 \mathrm{~W} \times 6 \mathrm{Kt}$ "D. Shpg. wt., $13 / 4 \mathrm{ibs}$.
121 H 4723.

## COMPRESSION <br> HORN TWEETER



- Frequency Response $3,000-16,000$. Cps
- 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 sealed rear housing. Frequency response $3.000-16,000 \mathrm{cps}$. Diameter $23 / 4$ inches. Depth $13 / 4$ inches. Voice coll impedance 8 ohms. Imported. Shpg. wt. 1 lb .
99 H 0117
Net 2.25

## ECONOMY <br> HI-FI TWEETER



## - Response

350-14,000 cDS

- 10 02. Ceramic Magnet
- 25 Watts Capacity


Capable of reproducing virtually undistorted sound from 350 to $14,000 \mathrm{cps}$, the recommended crossover frequencies are at 350 $\operatorname{cDS}$ and $5,000 \mathrm{cps}$. Power handling capacity: 25 watts. Cone Resonance: 150 cps . Impedance: 8 ohms. 10 oz. ceramic magnet. Voice coil diameter: $1^{\prime \prime}$. Plated steel frame finished in brown baked enamel. Has 4-way binding posts. Shpg. wt., 41/2 lbs.
21 H 4718
Net 6.50

Please Give Your Zip Code Number

## 15" COAXIAL HI-FI SPEAKER



- 30-20,000 CPS- 35 Watts Peak - Large 13 02. Ceramic Magnet - $11 / 2^{\prime \prime}$. Voice Coil

Two-element, full-range high-fidelity speaker offers a superb standard of performance throughout the audlo spectrum: Consists of specially designed $15^{\prime \prime}$ woofer with a full $5^{\prime \prime}$ high-frequency tweeter coaxially mounted with a $11 / 2 "$ voice coil. The large 1302 , ce. ramic magnet provides high efficiency and smooth response. The $15^{\prime \prime}$ woofer section gives the deep, rich, boom. free bass notes. SPECIFICATIONS: Frequency response, $30 \cdot 20,000 \mathrm{cps}$. Crossover frequency, 3500 cps . Cone resonance, 45 cps . Power handling capacity, 20 watts continuous and 35 watts peak. Impedance, 8 ohms. Rugged, lasting seamless cone. Has 4 -way bindIng posts for easy installation. Shpg. wt., 12 lbs.


## 12" COAXIAL HI-FI SPEAKER

 $14^{95}$- Frequency Response: $35-20,000 \mathrm{cps}$
- Large 13 0z. Ceramic Magnet
- Peak Power 25 Watls

Thls excellent sounding economical 12 inch speaker offers outstanding sound reproduc. tion. When properly baffled, its frequency response is from 35 to $20,000 \mathrm{cps}$. Free air cone resonance is 50 cps . Peak power
 capacity is 25 watts. Large 13 ounce ceramic magnet is utilized in faithfully reproducing the low end of the audio spectrum without excessive boom. High frequency $31 / 2$ inch tweeter extends the range to beyond the limits of the human ear. Voice coil diameter is $11 / 2$ inches. Impedance: 8 ohms. Shpg. wt., 10 lbs.
Net $18.50 \quad 21 \mathrm{H} 4713$
Net 14.95

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

## 1495

- $11 / 4 \mathrm{lb}$. Ceramic Magnet
- Rated at 30 Watts
- Response 25-18,000 CPS
This wide-range $12^{4}$ high fldellty speaker is rated at 30 watts and is exceltent for use with any hi-fi system. Heavy $1 \mathrm{l} / \mathrm{I} \mathrm{lb}$. magnet. Voice coil impedance o ohms. Outside di. ameter $12 \mathrm{~K}^{*}{ }^{\circ}$. mounting diameter $11 \mathrm{~K}^{\circ}{ }^{\circ}$ depth $674^{\prime \prime}$. Color-coded 4 -way binding-post terminals. Shpg. wt., 8 lbs. 21 H 4712


## 8" WIDE RANGE HI-FI SPEAKER

## 6 <br> 25



- 10 02. Ceramic Magnet
- 45-14,000 cps
- Voice Coil Diameter $1^{\prime \prime}$

An extremely smooth single cone reproducer. Power handling capacity: $\mathbf{2 5}$ watts peak power; 10 oz . ceramic magnet-frequency response: 45-14,000 CPS when properiy baffled. Rim treatment on cone minimizes pos. siblity of diaphragm distortion. Voice coll diameter $1^{\prime \prime}$. Impedance: 8 ohms. Cone Resonance 85 cycles. Shpg. Wt., $41 / 2$ los.

Net 6.25

## 12" THREE-WAY <br> HI-FI SPEAKER

## 1195

 10 02. Ceramic Magnet- 20 Watts Power Capacity
- Frequency Response 35-17,500 cps
Features a 10 oz . ceramic magnet, and when correctly baffled, will reproduce bass notes down to 35 cps . A special elliptical tweeter extends response to $17,500 \mathrm{cps}$. Voice coil diameter is $11 / \mathrm{m}^{\prime \prime}$. Impedance is 8 ohms. Power Capacity is 20 watts. Plated steel frame finished in brown baked enamel. Has 4 -way binding posts. Shpg. wt., 8 lbs. 21 H 4714

Net 11.95

## ECONOMY 8" COAXIAL HI-FI SPEAKER

## $5^{95}$



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

Features a built-in electrical crossover to distribute the high and low frequencies to the two elements. Rated at 10 watts with a frequency response of $45-13,000 \mathrm{cps}$. Utillizes 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 coil diameter, $3 / 4^{* \prime}$. Impedance: 8 ohms. Shpg. wt., 3 lbs.
21 H 4717
Net 5.95

## ECONOMY 12" COAXIAL SPEAKER

- Frequency Response 40-15.000 cps
- $1^{\text {n }}$ Voice Coil Diameter
An economical 12" hi-fi coaxial speaker to improve the sound of existing inexpensive hi.fl consoles or portables or can be used as the main speaker system of a budret priced high.fidellity 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. Shog. wt., $51 / 2$ Ibs.
21 H 4715
Net 8.75


## 8" EXTENDED RANGE SPEAKER

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

Ideally suited for low and medium level-mor. aural or stereo sound reproduction. The one inch, 8 ohm impedance voice coll 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 . $8 \%_{2}{ }^{\mathrm{HI}}$; mtg. hole dimensions $7{ }^{\prime \prime} \mathrm{K}_{4}{ }^{\prime \prime}$; $3^{\prime} \mathrm{K}_{2}{ }^{\prime \prime}$ deep. Brown enamel over heaviy plated steel. 4-way binding posts. Shpg. wt., 2 lbs.
21 H 4708
Net 5.50

SPECIAL shallow frame Hi-Fi speakers for APPLICATIONS WHERE SPACE IS LIMITED. Can be mounted in virtually any "thin-type" cabinet, ready-made console or music systems with custom wall or ceiling installations.


## DELUXE 3-WAY $12^{\prime \prime}$ HI-FI SPEAKER



- Only $31 / 2^{n}$ depth
- Independent horn type super tweeter
- Frequency response $30-18,000$ cps Engineered to reproduce the complete audio spectrum from 30 to 18,000 cps. Only $31 / 2^{\prime \prime}$ in depth. Therefore it can be mounted In virtually any thin-type cabinet or enclosure. Incorporates a special low-resonance woofer cone, for clean natural bass response without boom. mechanical mid-range, and independent horn-type tweeter for wide dispersion of highs. Full-bodled 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. Bult-in mechanical crossover at 1.800 cps and electrical crossover at $5,000 \mathrm{cps}$. Power handing capacity 20 watts. peak 40 watts Brilliance level control. Impedance 8 ohms. Imported. Shpg. wt., 10 Jbs .

2-WAY 12 " SPEAKER


Low priced 12 " dual-cone speaker featuring outstanding sound reproduction. 12" high compllance woofer delivers plenty of solid bass while separate high frequency whizzer cone handies the middle and high frequencies clearly to the upper audio ${ }^{\circ}$ spectrum. $2^{\prime \prime}$ edgewound voice coll assembly; built-in mechanical crossover at 1800 cps. Heavy duty die-cast frame. Frea. Resp.: $40-16,000$ cps. Impedance: 8 ohms. Cone resonance: 45 cps . Size: $121 / 4 /$ dia. $\times$ $31 / 2^{\prime 2} \mathrm{D}$. Imported. Wt., 7 lbs. 99 H 0030

## 61/2" THINLINE SPEAKER <br>  <br> Only 2" Deep <br> 

- Ideal for Music System with Wall or Ceiling Installations

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 variety of space-saving applications, including back. ground music systems with wall or ceiling installation. Frequency response, 75-12,000 cps. Power handling capacity, 3 watts of program material. Impedance 8 ohms. Binding post terminals. Imported. Shpg, wt., $21 / 2 \mathrm{lbs}$. 99 H 0031

2-WAY $8^{\prime \prime}$ SPEAKER


- 10 oz. Ceramic Magnet
- Freq. Response 50-13,000 cps

Especially 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. Molsture resistant flber parts. Frequency response $50-13,000$ cDs 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 H 4710

Net 5.95

61/2" COAXIAL SPEAKER

$61 / 2$ " woofer equipped with large, heavy magnet for maximum efficiency and low oistor. tion. 2" tweeter is a separate speaker coaxlally mounted in a housing which completely seals off back radiation; a mesh dispersion screen provides smooth wide-angle high frequency propagation. Ideal for use in pairs for stereo music systems of up to 8-10 watts. Frequency range, 50-16,000 cps. Woofer free-air resonance, 70 cps . Voice coll impedance, 8 ohms. Bulit-in electrical crossover network. Requires $51 / 2^{\prime \prime}$ diam. cutout. 61/2" diam., $3 \neq 4^{\prime \prime}$ deep. Imported.
99 M 0028 Shpg. wt., 31/2 lbs........ Net 6.95

6x9" WIDE RANGE SPEAKER


- 55 to $14,000 \mathrm{cps}$
- Space Saver Construction
- 1" Voice Coil

Hi-Fi wide range speaker for add.on stereo application. Speaker consists of a spectal skiver rolled cone with a $1^{17}$ voice 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
 $6 K_{4}{ }^{\circ}$ : Depth is $37 / \mathrm{c}^{\circ \prime}$. Has 4 -way binding posts.
21 M 4709 Shpg. wt., 2 lbs.

CONE TYPE METAL-CASED HI-FI TWEETER


- Handles 20 Watts
- Frequency Response 2000-20,000 CPS

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 95 . Diameter $3^{\circ}$. Depthi $21 / 0^{* *}$. Voice coll impedance 8.16 ohms. Imported. Shpg. wi., 4 lbs. 99 H 0049

# 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) LAFAYETE 21/2" TWEETER Remarkable compact tweeter handles 3 watts input music power. Frequency response of 1,200 to 20,000 cycles. Magnet weighs 1.3 oz . Depth $13 \mathrm{~m}^{\mathrm{c}}$. Impedancet 8 ohms. imported. Shpg. wt., $14 / 4$ lbs.
99 H 0145
Net 1.49
(B) LAFAYETTE $3^{3}$ TWEETER Fresh sounding foam-mounted cone tweeter dellivers 3,000 to 15,000 cps. frequency response. Resonant frequency: 1,200 cDS. Power handing capability 8 watts peak. Depth $13{ }^{3 /}$ ". Impedance: 8 ohms. Imported. ShDg. wt.. 1 lb . 99 H 0156

Net 2.95
(C) LAFAYETTE $41 / 2^{2}$ w wofer Resonant frequency: 80 cycles. Handles up to 8 watts music power. Frequency response: 80 to $12,000 \mathrm{cDS}$. Magnet weighs $8.6 \mathbf{0 2}$. Rugged steel frame construction. Depth $34 / \mathbf{c}^{\prime \prime}$ Impedance: $\mathbf{8}$ ohms. Imported Shpg. wt., 3 lbs. 99 H 0144

Net 3.95
(D) LaFAYETTE 4" FULL RANGE HI FI SPEAKER FIne performance from a speaker only $2^{\prime \prime}$ in depth. Frequency response 50 to 16,000 cps. Power handling capacity 8 watts. Resonant frequency 50 cps . Rugged steel frame construction. Heavy 8.11 oz. magnet. Impedance 8 ohms. Imported. Shpg. wt., 3 lbs. 99 H 0172

Net 4.95
(E) oeluxe lafayette $5^{\prime \prime}$ WOOFER Superb bass response is achieved through carefui matching of large $11 / 2$ pound magnet. $1^{\text {" }}$ voice coll, and specially treated cioth surrounded cone. Frequency response: 40 to 12,000 cps. Resonant frequency: 40 cps . Will handle 15 watt peak power. Depth 41/8". Imported. Shpg. wt., 5 LDs.
99 H 0155
Net 8.95
(E) Lafayette $5^{\circ}$ full rance mi.FI Speaker Outstanding 50 to 18.000 cps . audio reproduction. Resonant frequency: 52 cPs . Magnet weighs 3.6 oz. Power capacity 8 watts ( 16 peak). Impedance:
 99 H 0151

Net 4.95
(C) LAFAYETTE 5" COAXIAL HI FI SPEAKER. Super miniature speaker handles up to 25 watt power. Frequency range 38 to 19,000 cps. Magnilicent sound reproduction. Heavy magnet weight 1.1 lb . Rugged steel frame construction. Impedance 8 ohms. Only $23 / 4$ " in depth. Imported shpg. wh., 5 lbs.
99 H 0170
Net 11.95
(H) LAFAYETTE $61 / 2^{*}$ DUAL-CONE HI FI SPEAKER POWerful 61/2" speaker only $21 / 2$ ". in depth. Large 1 ib . magnet. Frequency response $40-18,000$ cps. Power handling capacity- 15 watts. Rugged steel frame construction. Impedance 8 ohms. Imported. Shpg. wt., 6 lbs . 99 H 0173

Net 6.95


## LAFAYETTE CROSSOVER NETWORKS

## (J) ECONOMY 3000 CPS 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 cycles. Easily accessible lug terminals. Rugged metallic case $31 / 2 \times 17 / 6 \times 11 / 4{ }^{\prime \prime}$. Fibre mounting reducing extraneous pickup. Mount on inside of speaker cabinet. Complete with simplified tnstructions. Imported. Shos. wt., $1 / 4 \mathrm{lb}$.
99 H 0140
Net 1.49
(K) 2-WAY CROSSOVER NETWORK

A carefully designed capacitive-inductive 2-way crossover network with crossover frequency easily set to either 2500 or 5000 cycles; Has a built-in continuously variable high.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 panels. Has an attractive brushed-gold finish escutcheon plate. For use with 8.16 ohm speakers. Easily accessible screw terminals. Metal case $57 / 8 L \times 25 / 8 \mathrm{H} \times 25 / \mathrm{s}^{\prime \prime \mathrm{D}}$. Complete with simpliffed instructions. Imported. Shpg. wt. 5 ibs. 99 H 0021

Net 7.95

## (L) DELUXE 2 and 3-WAY L/C NETWORK

Can be used elther as a 2 -way or 3 -way 6 db per octave network. six crossover combinations are available - 2 -way crossover with $2000 \cdot 3000$ cycle or 5000 cycle crossover, and 3 way with crossover frequencles of 350 and 5000,350 and $2000-3000,700$ and $2000 \cdot 3000$ or 700 and 5000 cycles for $8-16 \mathrm{ohm}$ speakers. Brillitance and presence controls - are mounted on the front panel. Level controls may be pemoved. Escutcheon plate, for external mounting; 3 ff . leads. 99 H 0022 Imported. Shpg. wt., 6 lbs. ............................. Net 14.95 Make Lafayette Your One Dependable Source for Everything in Electronics
(J) ECONOMY 3000 CPS
$\square$
(K) 2-WAY CROSSOVER NETWORK

- For 8-Ohm Woofers And Tweeters - Low Insertion Loss - Easy To Mount



## Acoustic Suspension Speaker Systems by

## AR'S 5-YR. SPEAKER GUARANTEE

AR speakers are sold under the manufacturer's 5 -year guarantee eovering parts, labor, freight both ways, and packaging if necessary.


## AR-4X 2.WAY ACOUSTIC SUSPENSION SYSTEM

- Famous AR Quality At Low Cost
- For Use With Amplitiers Of 15 Watts Or More

The AR-4X is an excellent sow cost acoustic suspension speaker system. Designed to glve a superbly clean, realistic bass response and clear, crisp highs by utillzing the famous acoustic suspension principle. It incorporates an 8 inch woofer and a $21 / 2$ inch direct padiator iweeter with level control to compensate for different acoustic conditions of your listening room. Electrical crossover frequency is 1200 cps . A compact ( $19 \mathrm{~W} \times 10 \mathrm{Hx} 9^{\circ} \mathrm{D}$ ) unit for floor or shelf-mounting. Sultable for use with amplifiers of 15 watts or more der channel. Shpg, wt., 20 lbs.

21 H 1250 Wx Unfinished Pine
$\$ 5$ Monthly
Net 5 L.00


## AR-2X 2-WAY ACOUSTIC SUSPENSION SYSTEM

- Excellent Bass Response, Low Distortion
- For Shelf Or Floor Placement

The AR- $2 X$ is designed for use with any high quality amplifier sup. plying 20 watts or more over the entire audio range. Incorporates a $10^{\circ}$ acoustic-suspension woofer (with crossover at $2,000 \mathrm{cps}$ ) plus a $31 / 2^{\prime \prime}$ direct radiator tweeter assembly. Frequency response $42 \cdot 15,000 \mathrm{cps} \pm 2 \frac{1}{2} \mathrm{db}$; Jown 10 db . at 30 and $17,000 \mathrm{cps}$. Har. monic Distortion: under 2\% down to 60 cps .; under $3 \%$ down to 50 cps. at 10 watts input when mounted in corner. tmpedance 8 ohms. Finished on 4 sides. $24 \times 111 / 2 \times 131 / 2^{*}$. Shpg. wt., 35 lbs.
21 H $7245 W x$ oiled Walnut ……... $\$ 6$ Monthly ........... Net 102.00
21 H 7247wx Mahogany ….............. \$5 Monthly …...............Net 96.00
21 H 7248wX Walnut 21 M 7246WX Unfinished

| $\$ 5$ Monthly |
| :--- |
| $\$ 6$ Monthly |
| $\$ 5$ M....................... Net 102.00 |
| 6.00 | $\$ 5$ Monthly .............. Net 8.00



As low as
$109^{00}$
NO MONEY DOWN

## AR-2AX 3-WAY ACOUSTIC SUSPENSION SYSTEM

- Impressive Bass, Down to 42 CPS
- Super Tweeter Extends Response To 20,000 CPS
- 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; $342^{\prime \prime}$ direct radiator mid-range for realism and a $1 H^{"}$ dome type super tweeter providing highs out to the limits of audibility. Flequency response, $42 \cdot 20,000 \mathrm{cps} \pm 21 / 2 \mathrm{db}$. Less than 2\% harmonic distortion down to 60 cycles. Has 2 level controls. Designed for use with amplifiers rated at 20 watts or more. Finished on 4 sides. $24 \times 111 / 2 \times 131 / 2^{\prime \prime}$. Shpg. wt., 35 lbs .

21 h 7207wx Oiled Walnut
21 H 7206 Wx Walnot
21 H 7204Wx Mahogany 21 H 7205wX Unfinished Pine
\$7.00 Monthly ........... Net 128.00
$\$ 7.00$ Monthly 128.00
$\$ 7.00$ Monthly $\ldots . . . . .$. Net 122.00
$\$ 6.00$ Monthly....... Net 109.00

AR SPEAKER 8ASE-for floor mounting. Dim. $11 \times 141 / 2 \times 13^{\circ}$. Shpg, wt., 5 lbs.

21 H 7241 Oil Walnut
21 M 7240 Unfinished birch
7.50
7.50

AR Speaker Stand-for horizontal mounting of any AR speaker sys-tem-complete with wrought iron legs and hardware. $0 \mathrm{im}, 29 \times 304 / 2 \mathrm{x}$ 15**". Shpg. wt., 28 Ibs.

| 21 H 7244W | \$5 Monthiy ................... $\mathbf{3 0 . 0 0}$ |
| :---: | :---: |
| 21 H 7243W Walnut | \$5 Monthly .................... 30,00 |
| 21 H 7242w Mahogan | \$5 Monthly ................... 30.00 |

$\$ 5$ Monthiy
$\$ 5$ Monthly
30.00

21 H 7242W Mahogany ....................... \$5 Monthly

A deluxe, space-saving 3 -way speaker system. AR's finest. Has 12 " woofer $2^{\prime \prime}$ mid-range dome radiator with 3.3 lb . magnet and $13 /{ }^{\circ}$ " dome tweeter with 1.1 lb . Alnico $v$ magnet. Response from 38 to $20,000 \mathrm{cps}( \pm 2 \mathrm{db})$. LC network crossover at 1,000 and 7.500 cps with individual level controls. Requires 25 watts (each channel) to drive. Impedance 4 ohms. Finished on 4 sides. Dimensions 14 Hx 25Wx113*"D. Shpg, wt., 60 lbs.

| 21 M 7229wx | Oiled Walnut | \$11.50 Monthly | Net 225.00 |
| :---: | :---: | :---: | :---: |
| 21 H 7230WX | Walnut | \$11.50 Monthly | Net 225.00 |
| 21 H 7231wX | Mahogany | \$ 11.00 Monthly | Net 216.00 |
| 21 M 7232wx | Unfinished Pine | \$11.00 Monthly | Net 203.00 |

## AR-3 3 WAY ACOUSTIC SUSPENSION SYSTEM

- Features Famous AR 12 inch Acoustic Suspension Woofer with $31 / 4 \mathrm{Ib}$. Magnet
- Frequency Response 38-20,000 cps.


## Famous Achromatic Speakers by <br> Whartedale

## NEW! Model W60D 3-WAY SHELF/FLOOR SPEAKER SYSTEM

Powerful $121 / 2^{\prime \prime}$ woofer with massive $91 / 2 \mathrm{lb}$. magnet assembly provides deep rich bass and excellent translent response. Newly de veloped $5^{\prime \prime}$ midrange speaker is acoustically isolated and has climatically Impervious special cloth suspension. Pressure dome tweeter gives extended and uniformly smooth treble response. Separate variable controls for mid and treble ranges. Response: 30 20,000 Hz. Imp.: 4-8 ohms. Power capacity: 40 -watts. Dim. $141 / 4 " \mathrm{Hx}$ $24^{\prime \prime} W \times 13^{\circ} \mathrm{D}$. Shpg. Wt., 42 lbs. Imported.
21 H 7546 Wx Oif Walnut Finish. $\$ 6.50$ Monthly...... Nel 114.95
21 M 7547 WX Unfinished Sanded Birch. $\$ 6$ Monthly ....... Net 104.55



## NEW DELUXE W7OD 4-WAY FLOOR MODEL

 SPEAKER SYSTEMMagnificent looking speaker uses a unique acoustic design with superb performing speaker components. Life-llike bass from a massive $121 / 2^{\prime \prime}$ tong throw acoustic suspension woofer with $91 / 2 \mathrm{lb}$. magnet assembly. Heavy duty $8^{\prime \prime}$ untt serves as a "passive" radiator for upper bass and as energized driver for lower midrange, and advance design pressure dome tweeter contributes distortion-free, wide-angle treble. Individual midrange and trebie controls. Employs exclusive sand-filled construction. Use in vertical or horizontal position. Grille is removable. Response: $25-20,000 \mathrm{~Hz}$. Imp.: $4-8$ ohms. Power capacity: 40 watts. Finished oil walnut model, with table tops. Dimensions: $24 \times 22 \frac{1}{4} \times 13^{5 / 4}{ }^{\prime \prime}$. Unfinished model, no tops, flat moldings, $24 \times 20 \% \times 12 \frac{3 / 2}{}$ "D. Shpg. wt., 74 lbs. 21 H 7544wx Olled Walnut Finish. $\$ 8$ Monthly

Net 159.80 21 H 7545wx Unfinished Sanded Birch. $\$ 8$ Monthly

Net 148.75

${ }^{\text {Model }} 4049^{95}$
No Money Down

$\underset{303 A}{\text { Model }}<50$
No Money Down

Model 404 Compact Loudspeaker System. Space saving speaker sys. tem with extended bass response, and smooth high frequency re. sponse. Wide-range response: 45 to $20,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. High compliance $\sigma^{\prime \prime}$ linear-travel piston cone wooter. Mi-flux rylar dome tweeter with wide dispersion. Impedance: 8 ohms. Power 6 watts
 wt. $104 / 4 \mathrm{lbs}$.
21 H 1316 WX $\$ 5$ Monthly
Net 49.95
Model 3032 -Way Bookshef System. Velvet smooth frequency re. sponse throughout full range. Features frequency discriminating decoupling which results in considerable reduction in distortion plus smooth response free of phase shift. Response: $35-20,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Speciai $8^{-}$linear-travel piston cone woofer; hi-flux mylar dome tweeter. Impedance: 8 ohms. Power: 6 watts min. to 60 watts max. Oiled walnut finish. $22 \% \times 13 \times 1174^{\prime \prime}$. Shpg. wt., 35 lbs. 21 H 1313wx $\$ 5$ Monthly

Only
$164^{95}$

## MEY/ Model DLS-629N SHELF SYSTEM

Unique bookshelf system features $131 / 2 \times 81 / 8^{\prime \prime}$ wooler with massive ceramic magnet for deep bass. Two heavily damped $31 / 2^{\prime \prime}$ tweeters provide brilliant high frequegcy response. $3 / /^{\prime \prime}$ hardwood cabinet Is damped. Frequency Response- $\mathbf{3 5 - 2 0 , 0 0 0 ~ H z ; ~ C r o s s o v e r - 4 , 5 0 0 ~}$ $\mathrm{Hz}_{i} 3$-position brillance control $\mathrm{I}_{\mathrm{i}}$ Impedance- 8 ohms. Dim. $24 \mathrm{H} \times 131 / 2 \mathrm{~W} \times 12 \mathrm{y} \mathrm{C}^{\prime \prime} \mathrm{D}$. 21 H S924WX Oiled Walnut. Shpg. wt., 45 lbs. Net 154.95

## NEW! Model 62

High-compliance, high efficiency speaker system featuring big $103 / 86 \$ 6^{\circ}$ woofer with aluminum center cone for exceptionally flat, smooth midrange. Specially damped 33/0" (weeter reproduces sharply detailed high frequencies. Cabinet is highly damped and fea. tures $7 / g^{\prime \prime}$ thick walls to assure ex. celient acoustical quallities. Inciudes 3 -position brilliance control to adjust the output level of the tweeter. Frequency Response: 60 $20,000 \mathrm{~Hz}$. Impedance: 8 ohms. Size: $101 / 2 \mathrm{H} \times 111 / 2 \mathrm{~W} \times 10^{\circ} 0$. Oiled walnut finish. Shpg. wi., 26 lbs. 21 H 5921wx .............. Net 79.95


# Fisher Speaker Systems <br> high efficiency, high compliance sound reproducers for the home 



- $21 / 2^{m}$ Upper Mid-Range Driver


## NEW! Model XP-6B 2-WAY SYSTEM

Quality, 2-way bookshelf speaker system. Features a newly designed $21 / 2^{* \prime}$ upper mid-range high frequency speaker, and a $10^{-1}$ wooter with - newly designed high mass "copper" voice coil. Bass response extends down to 32 cps. The acoustically isolated upper mid-range driver produces peak-free response out to $19,000 \mathrm{cps}$. High internal viscous damping assures excellent transient response. Crossover network at 1,000 cps. Impedance: 8 ohms. Power: 10 watts $\mathrm{m} / \mathrm{n}$., 50 watts max. Oiled walnut finish. Size: $13 \times 23 \times 11^{\prime \prime}$. Shpg. wt., 35 lbs.
21 H $3315 w x$ \$5 Monthly
Net 76.46

${ }^{0.018} 212^{08}$ No Money Down

## CONSETTE MOdeI XP- 10 SPEAKER SYSTEM

A perfect blend of audio balance and fine furniture styling. Speaker components consist of a powerful $15^{\prime \prime}$ woofer, $8^{\prime \prime}$ midrange, soft dome hemispherical tweeter and a 3-way crossover network. The woofer features a 6 lb . magnet structure and $2^{\prime \prime}$ voice coil. Mid-range fea. tures a $51 / 2 \mathrm{lb}$ magnet structure and $14 / 2^{\prime \prime}$ voice coil. The tweeter has a $2^{\text {n}}$ diaphragm and a $51 / 2 \mathrm{Ib}$. magnet structure. Crossover network accurately separates frequencies at 200 and $2,500 \mathrm{cps}$. Acoustigiaspacked, non-resonant, sealed enclosure. Response: 28-28,000 cps. Impedance: 8 ohms. Power: $10-60$ watts. Scandinavian walnut finish. $301 / 2 \times 241 / 8 \times 141 / 4$ "D. Shpg. wt., 80 lbs.
21 H $3678 \mathrm{WK} \$ 11$ Monthly-


## Model XP-7 4-Speaker 3-Way System

Highly efficient four component speaker system. Finely styied unlt Inciudes 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 $11 / 2$ " soft dome tweeter. Includes 3 way LC crossover network at 300 Cps and 2500 cps .Response from $\mathbf{3 0 - 2 5 , 0 0 0} \mathrm{cps} .8$ ohm impedance. Scandinavian walnuf finish cabinet $14 \times 24 \frac{1}{2} \times 1 Z^{\text {. }}$. For vertical or horizon. tal mounting. Shog. wt.. 50 lbs.
21 H 3656 WX $\$ 7$ Monthly
Net 127.07


## NEW! Model XP-9B 4-SPEAKER 4-WAY SYSTEM

- $12^{* \prime}$ 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 size. $12^{\prime \prime}$ woofer has 6.1 b , magnet structure, reproduces bass frequencies from 28 to 300 cps . Two mid-range speakers divide the mid-frequencles: $6^{\prime \prime}$ lower midrange with $2 \cdot 1 \mathrm{~b}$, magnet is assigned frequencies of 300 to $1,000 \mathrm{cDs}$; $5^{\prime \prime}$ upper mid-range handles critical frequencies of 1,000 to $2,500 \mathrm{cps}$. $11 / 2^{\prime \prime}$ treble speaker features a hemispherical soft dome with $120^{\circ}$ dispersion. Three-position treble balance control can be used to contro the texture of the upper frequencies- 2,500 to $22,000 \mathrm{cps}$. Impedance: 8 ohms. Power: 10 to 60 watts. Olled walnut finish. $14 \times 243,2 \times 12^{\prime \prime} \mathrm{D}$. Shpg. wt., 60 lbs.
21 H 3816WX $\$ 9$ Monthly
Net 169.58
LE-1 LeE Assembly For XP-68, XP.7, XP-98 Systems
4 brass legs fasten to XP-6B, XP-7, XP-98 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., 4 Ibs. 21 H 3317 W

# 罾EMPIRE Divergent Lens Speaker Systen. 

Three Acoustic Lenses allow you to enjoy phenomenal Stereo
anywhere in the room...Speaker Placement is Non-Critical.


## MODEL 4000 M "CAVALIER"

Clear, crisp sound reproduction combined with appealing classic styling. System con. sists of $10^{\prime \prime}$ high compliance woofer with $2^{2 \prime}$ voice coil for smooth, dowerful bass response, high efficiency mid-range speaker, and direct radiator tweeter with wide angle dispersion for superb high frequency cover. age. Result is a clean frequency response of $30 \cdot 18.000 \mathrm{cDS}$. Constructed of hand rubbed satin walnut with a durable marble top. Mu. sic Power Capacity: 60 watts max. undistorted. Nominal Impedance: 8 -ohms. $25^{\text {" }} \mathrm{Hx}$ $18^{-01 a}$. Shpg. wt. 75 Ibs.
21 M 3458wx $\$ 8$ Monthly
Net 159.95
Model 4000. Same as above but with hand rubbed satin top instead of marble.
21 H $3459 \mathrm{wx} \$ 8$ Monthly

## MODEL 8400 GRENADIER SYSTEM

High quality 3-way Speaker System in handsome walnut enclosure compliments both your stereo hi-fi components and room decor. Incorporates direct radiator midrange speaker and ultrasenic tweeter with special acoustic lens for excellent high frequency dispersion. Large $12^{\prime \prime}$ woofer offers boom-free bass response to 25 cycles. UtiHizes 3 -position treble control for adjusting to individual room acousties and tastes. Impedance: 8 ohms. Satin walnut finish. Oimensions: $25 \mathrm{Wx} 131 / 4 \mathrm{Hx} 12 y / 4{ }^{-0}$. Shpg. wt., 70 lb s.
21 H 3439 Wx \$11 monthlv
Net 219.95
Dptional Bench for Model 8400 . Height $12^{\prime \prime}$. Beautiful eatin walnut finish. Shpg. wt., 6 ibs .
21 H 3468 W
Net 22.45



## MODEL 8000P "GRENADIER"

An excellent combination of realistic sound reproduction and smart styling, the 80COP features a direct-radiator mid-range speaker and uttra-sonic tweeter both coupled to an acoustic lens for wide angle dispersion. Heavy magnet $12^{\prime \prime}$ woofer provides smooth bass responise down to 25 cycles. Speaker placement is not critical for wide frequency response and correct stereo separation. Response: 25-20,0c0 cps. Beautifully styled in satin walnut with imported marble top. Impedance 8 -ohms. Overall dimensions: 29 high $\times 16^{\circ}$ dia. Shpg, wt. 85 lbs. 21 H $3437^{\circ} \mathrm{Wx} \$ 12.50$ Monthly Net 249.95

Model 8000 PW . Same as 8000 P but with hand rubbed walnut top instead of marble. 21 H 343awx $\$ 12.50$ Monthly ... Net 249.95


MODEL 9OOOM - "ROYAL GRENADIER"
A deluxe version of the Model 8000P. Largep diameter column houses a mass loaded. high-compliance $15^{\circ \prime}$ woofer with a $4^{\prime \prime}$ volce coil and magnetic power of over one million lines of force. This enables the model 9000 M to achieve a smooth frequency response of $20-20,000$ cycles. High efficiency enables this deluxe system to be driven by any modern amplifier. Full preserce direct radiator and domed iweeter coupled to die. cast acoustle lenses achieve broad dispersion. Handes up to 100 watts music power. Impedance 8 ohms. 29 high $\times 22^{\prime \prime}$ dia. Satin walnut finish and durable marble top. Shpr. wt.. 87 lbs.
21 H 3435wx $\$ 15.00$ Monthly ...Net 299.95 Model 9000-Same as above, but with hand rubbed walnut top instead of marble. 21 H 3421wx $\$ 15.00$ Monthly .... Net 299.95

Hi-Fi Speaker Systems Are Availahle on Easy Pay Plan-No Money Down


## Premier Series 200 Extended Range Speakers

MODEL 312 12" 3.WAY DIFFAXIAL SPEAKER-Features an unusually rigid die-cast basket, heavy magnet, Diffusicone midrange and Spher. icon super-tweeter. Woofer response down to 28 cps . Multlelement midrange operates over the frequency range of $1000-3000$ cps. Super-tweeter disperses highs over $120^{\circ}$. Tweeter has reflector baffle to prevent interaction and possible intermodulation distortion. Cross-over network bulit-in, with brilliance control. Overall frequency response extends from 28 to $40,000 \mathrm{cps}$. Power rating 35 watts. Impedance $8-16 \mathrm{ohms} .13^{\prime \prime}$ diam., $65 \%^{\prime \prime}$ deep. Shpg. wt., 104/4 lbs.
21 H $6751 \$ 5$ monthly $\qquad$ Net 76.05 DIFFUSICONE - 8. EXTENDED RANGE DIFFIXIAL—Speaker designed for quallity performance in very small enclosures. Frequency response $30-15,000$ cps. Rated at 35 watts. Impedance $8-16$ ohms. $9 \mathrm{~K}_{0}{ }^{*}$ diam., 4K." deep. Shpg. wt., 43/4 lbs.
21 H 5753 $\qquad$ Net 29.25 DIFFUSICONE-12 $12^{\prime \prime}$ FULL RANGE DIFFAXIAL-Speaker uses the patented multielement Diffusicone midrange and a quality woofer cone. Dual horn-loading at cone apex cross-over at 1000 cps. Frequency response $28-15,000$ cps. Power rating 35 watts. Impedance $8-16$ ohms. $13^{\prime \prime}$ diam.. $6 \% \%^{\circ "}$ deep. Shog. wt.. 9 los.
21 H 6754 \$5 monthiy

MODEL $3088^{\circ \prime}$ 3-WAY DIFFAXIAL SPEAKER-Employs an extra large voice coil for $8^{\prime \prime}$ woofer, a patented Multielement Diffusicone midrange, and a compression type tweeter, Bulit-in electrical cross-over at 5000 cps. Frequency response $30-17,000 \mathrm{cps}$. Power rating 35 watts. Impedance 8.16 ohms, 9 \%os $^{\prime \prime}$ diam., $61 / 8^{\prime \prime}$ deep. Shpg. wt., 5 lbs, 21 H $6752 \$ 5$ monthly $\qquad$ Net 42.75

MODEL $62011^{\prime \prime}$ 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 cps with brilliance control. Frequency response from $28-18,500 \mathrm{cps}$. Power rating 35 watts. Impedance $8-16$ ohms. $13^{\prime \prime \prime}, 6 \%{ }^{\prime \prime \prime}$ deep. Shpg. Wt., 10 lbs.
21 H $6750 \$ 5$ monthly $\qquad$ Net $\mathbf{6 2 . 5 5}$ MODEL 315C SUPER 15" 3-WAY DIFFAXIAL—Woofer has double spired, antl-breakup diaphragm. Patented Diffusicone mldrange operates between 1000 and 5000 cps. T. 50 Hypersonic driver is centered in a "reclprocating flare," wide angle super-iweeter horn. Separate balance controls. Frequency response ranges from 25 cps to inaudibility. Power capacity 50 watts. Impedance $8-16$ ohms. Built-In LC crossover. $151 / 2^{\prime \prime}$ diam. $12^{\prime \prime}$ deep. Shog. Wt.. $341 / 2$ lbs. 21 H $6770 \mathrm{WX} \$ 8$ monthly $\qquad$ Net 157.50

## WOOFERS, MID-RANGE SPEAKERS, TWEETERS, DRIVERS AND CROSSOVER NETWORKS



## WOOFERS

MODEL C-8W 8" WODFER. Budget-priced. Freq. response, $50 \cdot 5,000$ cps. Impedance, 8 ohms, 25 -watt rating, Alnico $V$ Gold Dot magnet. Depth, $414^{\prime \prime}$. Shpg. wt., 3 lbs 21 H 6755 $\qquad$ Net 18.90
MODEL C-12HC 12' MIGH COMPLIANCE WOOFER. Impedance, $4-20$ ohms. Freq. response $20-3,000$ cps. Rated at 50 watts. Cone resonance $20 \mathrm{cps}, 670^{\prime \prime}$ deep. Shpg. wt., 9 lbs.
21 H $6756 \$ 5$ monthly $\qquad$ Net 48.60
MODEL C-15MC 15" HICH COMPLIANCE WOOFER. Response to 800 cps . Has dual voice coil. Impedance, $\mathbf{4 - 2 0}$ ohms. 60 watt rating, Depth, $84 / \mathrm{s}^{\prime \prime}$. Shpg. wt., 237/4 lbs.
21 H 6771 WX $\$ 5$ monthly ___ Net 85.50
MODEL C-15W 15" DVC WOOFER. 6 lb . AInico $V$ magnet. Rated at 50 watts. Response from below 25 to 1500 cps . Impedance, $4-20$ ohms, $101 / z^{\prime \prime}$ deep. Shog. wt. $261 / 4$ lbs.
21 H 6772Wx $\qquad$

Net 09.55

## DRIVERS \& CROSSOVER NETWORKS



## TWEETERS

MDDEL T- 202 SPHERICON SUPER TWEETER. $3,000-40,000 \mathrm{cps}$. ( $\pm 2 \mathrm{db}$ to 22,000 $\mathrm{cps})$. Domed phenolic diaphragm with spherical diffractor. Built-in network and brilliance control. 8 ohms, 30 watts. Shpg. wt., 3 lbs. 21 H 6757 $\qquad$ Net 24.30

## MODEL HF-206 HYPERSONIC TWEETER.

 High frequency response to beyond audibllity. N-28 network for 5,000 cps cross. over recommended. 8 ohms. 25-50 watts. $6 \times 3 \mathrm{~K}_{4} \times 6 \mathrm{~K}_{\mathrm{c}}^{\prime \prime}$. Shpg. wt., $31 / 2 \mathrm{lbs}$. 21 H 6758 \$5 monthlyNet 35.55
MODEL UXT-5 SUPER TWEETER, COMpression driver has Alnico $V$ magnet. For use with N-28 network. Response, $5.000 \cdot 17,500$ cDs, 50 watts, 8 ohms. Size: $41 / 4 \times 21 / 2 \times 4^{\prime \prime}$. ShDd. Wt.. $13 / 4 \mathrm{lbs}$. 21 H 6759 $\qquad$ Net 26.55
MDDEL 4401 TWEETER. "Reciprocatingflare" horn. Response, 2,500-15,000 cDs. N-2B dividing network recommended. Power rating, 25 watts. Impedance, 8 ohms. Dimensions: $6 \times 2 \% / 4 \times 6 \%{ }^{\prime \prime}$. Shpg. wt., 2 lbs.
21 H 6760
. Net 20.25


## MDDEL T. 30 MID-RANGE AND HIGH FREQUENCY DRIVER. For use with H-600 horns,

 Response, $350-15,000$ cps. Capacity, 50 watts, 8 ohms. $17 /$ a $^{\prime \prime}-18$ throat. $31 / 2 \times 3 \frac{1}{4} 4^{\prime \prime}$ hom. Shps. wt., $23 / 4$ lbs 21 H 6761MODEL N-2A CROSSOVER NETWDRK. Crossover: 350 or $700 \mathrm{cps} @ 8$ or 16 ohms; 700 cps@ 4 ohms. $34 / 8 \times 31 / 4 \times 3^{\prime \prime}$. Shog. wt., $21 / 4$ lbs.
21 W 6763 MODEL N-2B CROSSOVER NETWORK. Similar to N-2A except crossover: 1250, 2500
or 5000 cps @ $8 \mathrm{ohms} ; 2500$ or $5000 \mathrm{cps} @ 16 \mathrm{ohms} ; 2500 \mathrm{cps} @ 4$ ohms. 3\% $34 / 4 \mathrm{x}$ or 5000 cps @ 8 ohms; 2500 or $5000 \mathrm{cps} @ 16 \mathrm{ohms} ; 2500 \mathrm{cps} @ 4$ ohms. $3 \% \times 34 / 4 \mathrm{x}$ 3". Shog wt.. 21/4 lbs. Net 13.50 MDDEL AP. 8 BALANCE CDNTROL. Ideal for use with $\mathrm{N}-2 \mathrm{~A}$ and $\mathrm{N} \cdot 2 \mathrm{~B}$ networks. Suits $8-16$ ohms sustems, Fits panels uo to $3 / 4^{\prime \prime}$ thick. Shor. wt. 7 oz . 21 H 6765

## Famous ElectroVoice



Wolverine Components
MODEL LSE-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 coll; Low silhouette design. 45-14,000 cps. 20 watts. Resonance: 75 cps .8 ohms. Mech. crossover 4500 cps . Size: $8 \geqslant{ }^{1 / 2}$ diam, $31 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt. 5 lbs. 21 H 3055

## Net 18.00

MODEL LSI2A-Famous $12^{*}$ coaxial provides unusually clean fre. quency response ( 40 to $14,000 \mathrm{cps}$.) Heavy.duty frame, precisionground internal parts. 20 watts. Resonance: 65 cps .8 ohms. Mech. crossover: 4500 cps. Sire: $121 / 4 "$ dia. * $3 \%_{4} " D$. Shpg. wt., 6 Pbs. 21 H 3054

Net 19.80
MODEL LS15-Wolverine's popular 15" speaker features a heavy. duty die.cast frame, a treble cone plus double wound voice coll. Frequency response: $35-14,000$ cycles. Power capacity: 20 watts. Resonance: 53 cycles. impedance 8 ohms. Mechanical crossover at 4500 cps . Size: $151 / \mathrm{g}^{\prime \prime}$ diameter. $6^{1} / \mathrm{K}^{\prime \prime}$ depth. Shpg. Wt., 13 lbs. 21 M 3053

Net 18.88
MODEL LT-8-.-Features three separate radiating elements, including a unique ring-diaphragm tweeter. Eliminates HF breakup distortion common in many dome diaphragm units. Response: $45-18,000 \mathrm{cps}$ Resonance: 65 cps . Crossovers: Mech. 2000 cps ., Elect 5000 cps . $81 / 4^{\prime \prime}$ diameter, $7^{\prime \prime}$ baffle opening. $3^{\prime \prime} \mathrm{K}_{0}$ " depth behind panel.
2143028 (Mot llias.) Shpg. wt, 7 lbs...
MODEL LT.12-Combines design features of Wolverine full-range speakers, plus "Deep-Dish" cone and HF tweeter. Response: 40-18.000 cps. Power capacity: 20 watts. Resonance 60 cDs . ElA sensitivity 45 db . Impedance: 8 ohms. Crossovers: Mech. 2000 cps; Elect. 3500 cps. Adjustable level control provides HF tone balance. Size: $121 /{ }^{*}{ }^{*}$ diameter, $51 / 4^{\prime \prime}$ deep. Shpg. wt., 12 lbs .
21 N $3051 \$ 5$ monthly
Net 35.10
MDDEL HFI STEP-UP KIT-Complete VHF tweeter hit. Adds sparkling brililance to LS8, LS12A or LS15. Extends response to 18,000 cps, improves dispersion for stereo. Complete with driver, combined cross-over-level control, wiring mounting hardware and instructions. Requires $11 / 4 \times 41 / 4^{\prime \prime}$ baffie opening. Shps. wt., 3 lbs.
21 H 3056
Net 25.20
MODEL MFI STEP-UP KIT-Mid-range hit to complete Wolverine 3-way system. Improves presence and dispersion from 1,000 to $3,500 \mathrm{cps}$. Complete with horn, driver, crossover-level control, wiring and instructions. Requires $91 / 2 \times 3^{\circ}$ baffle opening. Shig. wt., 5 lbs. 21 H 3057

Net 26.55

## DELUXE ELECTRO-VOICE SPEAKERS

MODEL SPBB RADAX SUPER EIGMT- $8^{\circ \prime}$ speaker, Resonance 60 cDS . 20 watts. Response $35-15,000 \mathrm{cps}$. 16 ohms impedance. Sens. Rtg. 47 db . Crossover 4500 cps .1 lb .6 oz . ceramic magnet. $87 \mathrm{~m}^{\prime \prime}$ diam. 7" baffie opening. $47 / 4^{\prime \prime}$ depth behind panel. Shpg. wt., 9 lbs. 21 H 30 S9

Net 29.25 MODEL SP12B RADAX TWELVE- $12^{\circ \prime}$ speaker. Resonance: 50 cps . 30 watts. Response: $30 \cdot 15,000 \mathrm{cps} .16$ ohms impedance. Sens. Rtg., 49 db . Crossover: 4500 cps. 1 lb .6 oz. ceramic magnet. $12 \psi^{\prime \prime}$ djameter, $11^{\prime \prime}$ baffle opening. $674^{\prime \prime}$ depth behind panel. Shpg. wt., 12 lbs. 21 H $3060 \$ 5$ monthly

Net 35.10
MODEL I2TRXB-3-Way assembly completely wired with HF control. Overall diam. $121 / 4^{\prime \prime}$. Resonance: $50 \mathrm{cps} ; 30$ watts. Magnet wt., 1 lb . 6 oz. Frequency response: $35-20.000 \mathrm{cps}$-Mech. crossover 2000 cps elect. 3500 cps. Depth behind panel $7^{\prime \prime}$. Imp. 16 ohms. Sens. Rtg. 52 db . 5 hpg . wt., 17 lbs .
21 in $3058 \mathrm{wx} \$ 5$ monthly
Net 42.10

## ALTEC LANSING SPEAKER SYSTEMS <br> 846A VALENCIA SYSTEM <br> 847A SEVILLE SYSTEM



## onty $299^{70}$

Altec has bsought the sound of the famous A7 "Voice of the Theater" system into the home! Deluxe speaser components are mounted in a new, beautiful handfinished waluut cabinet with fretwort wood arill. Features a 416A-massive $15^{\prime \prime}$ low frequency driv. er: 806A-hign frequency driver: 8113 high frequency horn; plus N800Gl/C crossover network. Frequency Response: $35-22.000 \mathrm{~Hz}$. Crossover: 800 Hz . Cap, 30 watts. 8-16 Ohms. $231 / 4 \mathrm{Hx} 271 / 2 \mathrm{~W}$ $\times 19^{\prime \prime} \mathrm{O}$ Shpg. wt. 100 lbs. 21 H 7626WX Net 299.70

## Only 21330

Magnificently styled, two. way speaker system in a hand-rubbed. olled wal nut finished floor model cabinet with 16 th century Spanish style fretwork wood arill. Fea. tures a $414 A^{-}$powerful $12^{\text {" }}$ low frequency driv. er: 3000 H high frequency driver; cast zinc multicellular horn; and N . 3000E- two section crossover network. Frequency Response: $40-22.000 \mathrm{~Hz}$. Crossover: 3000 Hz . Power Rating: 20 watts. Impedance: 8 ohms. 26 Hx 19 W K14"O. Shpg. wt. 60 ibs. \$11 Monthly 21 M 7627wx Net 213.30


DELUXE MODEL F-770


## FAMOUS MODEL F-767 STEREOPHONIC HEADPHONES

## Widely Acclaimed by Hi-Fi Critics

 For All Audio EnthusiastsOnly $11^{88}$

- Air-Cushioned Headband
- Soft Foam Rubber Ear Cushions for Maximum Comfort and Bass Response
- High Sensitivity

Our famous best selling quality stereo headphones, widely acclaimed by Mi-Fl critics, offer outstanding stereo sound reproduc. tion to the listener. Extremely comfortable headband is covered with an air-fllied vinyl bag which serves as a gentle cushion. Soft foam rubber ear pads keep out external noise and provide 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 $21 / 2 \cdot$ speakers 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. Shps. wt., $21 / 2 \mathrm{lbs}$ 99 H 0035

## STEREO HEADPHONES

- Frequency Response 25 to 15,000
- Actually 2 2 $2 / 2^{\prime \prime}$ Hi-Fi Speakers
- Soft Rubber Air-Cushioned Ear Pads

For discriminating music lovers. Brings to your ears the full audio frequency range. Comfort-oriented design makes music listening a real pleasure. The F-770 stereo headphones are actually two 21/2" high fidelity dynamic speakers with a frequency response range of 25 to 15,000 cycles and are rated at $1 / 2$ watt maximum input; impedance, 8 ohms per phone. The soft rubber air-cushioned ear pads provide extremely comfortable listening, help to keep out noise and malntain an excellent bass response. With 5 ft . cord and standard $1 / 4^{\prime \prime \prime}$ phone plug. Imported. Shog. wt. 2 ibs. 99 H 0034

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 glorious stereo sound with the best "seat" in the house. You needn't sit in one special place to achieve the best stereo effect. Wonder. fully comfortable too. Soft rubber cushion earcups block out most external noise. Lightweight vinyl covered headband adjusts to fit easily... Iets 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 fldellty sound and complete stereo separation. The headset weighs only 11 oz . Frequency response: 35 to $15,000 \mathrm{cps}$. Output: 100 mw . Matches 8 or 16 -ohm impedance. Supplied complete with $5 \cdot \mathrm{ft}$. cord and standard $4 / 4^{\prime \prime}$ phone plug. Imported. Shpg. wt., $11 / / \mathrm{lbs}$. 99 H 0180

Net 7.95

## ACCESSORIES FOR LAFAYETTE STEREO HEADPHONES


(A) Remote Control Box


10 Ft. Stereo Headphone Extension Cord
$1^{49}$
a STEREO HEADPHONE REMOTE CONTROL BOX. Designed to connect I or 2 stereo headphones $t 0$ an existing system without the need of continualiy 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: $4.16 \mathrm{ohm} .43 / 4 \mathrm{WxIK} \mathrm{Hx}$ $13 / 4 " 0$. Imported. Shpg. wt., $12 / 4 \mathrm{lbs}$.
99 H 0036
Net 4.95
B. 25 FT. UNIVERSAL STEAEO MEAOPHONE EXTENSION CORO. Listen to stereo through your favorite stereo headphone 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-circult jack on the other end. 99 H 0116 Imported. Shpr. wt., 1 lb.

Net 2.29C. IO-FT. STEREO HEADPHONE EXTENSION CORD. 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., $1 / 2 \mathrm{lb}$.

# Famous Name Stereo Headphones 



For discriminating music lovers. A separate dynamic wooter, ceramic tweeter and crossover network with external tweeter controls buill into each phone, give you concert hall sound. The reproducers are mounted in smartly styled hi-impact cycolac plastic shells. A tight but soft seal to the ear is provided by removable and washable vinyl covered urethane foam cushions plus a fully adjustable vimyl covered spring steel headband. Impedance $4-16$ ohms. Frequency response: $\mathbf{2 0 - 2 0 , 0 0 0} \mathrm{cps}$ with less than $1 \%$ distortion. Complete with 7 fool four conductor cable terminated with a standard stereo plug. 21 H 8001 Shpg. wt., $31 / 2 \mathrm{lbs}$.


Professional quality stereo headphones for high fidelity stereo, FM, records and tapes on a frequency response of 18 to 22,000 cps. Dynamic woofer for low frequency and ceramic tweeter for high frequency are mounted co-axialiy In a high Impact case. Luxuriously soft vinyl urethane foam filled cushions make tight ear seal. Adjustable, spring steel headband. $4-16$ ohm impedance. Nominal power 30 mw ., maximum power, 2 watts. Comes with 7 ft ., four conductor cord, standard stereo plug. Shpg. wt., $34 / 2 \mathrm{lbs}$. 21 H $8005 \$ 5$ monthly

## TELEX "ADJUSTONE"



Enjoy realistic stereo, from rich bass to clean treble with $31 / 2^{\prime \prime}$ speakers, 7 sq.-Inches of cone area, $10-15,000 \mathrm{cps}$ frequency response. Distortion less than $1 \%$. Lightweight. comfortable, adjustable foam cushions. Rugged case. Impedance 3-16 ohms. 8 ft . cord. Shpg wt., 182 lbs.
21 H 6305

Net 15.95

TELEX "SERANATA"


Professional performance and tone control on a 20-20,000 cps frequency response with distortion less than $11 / 2 \%$. Controlied comfort knob adjusts ear cup. Impedance 3-16 ohms. Electronic tone control; detachable cord. Light, adjustable headband. Shpg. wt., 2 lbs.
21 H $6306 \$ 5$ monthly $\qquad$ Net 59.95

KOSS MODEL SP-3XC


Low cost SP-3xC Stereophones are a specially constructed headset that provide a wide frequency range of $10 \cdot 15,000$ cps by means of unusual $34 / 2$ " dynamic reproducers incorpor. ated 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. Shipg. wt. 2 tbs.
21 in 4513
21 H 4513 Net 24.45

KOSS MODEL PRO-4A


No Money Down

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 quality drivers mounted in acoustically designed enclosures provide smooth frequency response from 30 to $20,000 \mathrm{cps}$. Removable cushions can be cleaned with soap and water. With 10 ft . colled cord and plug, 4 ohms impedance. Shpg. wt., 3 lbs. 21 H $4514 \$ 5$ monthly ${ }^{\circ}$ Net 49.00

FISHER Model HP-50


Achieve supert sound with maximum com fort. Soft, full foam-cushioned earcups seal out external noise. Fully-adjustable vinyl. covered headband adjusis to fit anyone; easily washed when soiled. Frequency response: $\mathbf{3 0 - 1 7 , 0 0 0} \mathrm{cps}$. Impedance: 12 ohms. With cord and stereo plug. Shipg. wt., 2 lbs. 21 H 3314

KOSS MODEL KO727


No Money Down
Enjoy full dimensional stereo music with maximum comfort. Sensitlve reproducers accept up to 60 watts per channel. Use in any system with 4,8 , or 16 ohms output. Removable foam cushions. Less than $1 \%$ distortion at maximum output of 143 db .10 ft . coll cord and plug. Shpg. wt., 3 lbs. 21 H $4507 \$ 5$ monthly

Net $\mathbf{3 4 . 2 5}$

## ACCESSORIES FOR KOSS PHONES

MOOEL T-1 HOON UP BOX contains matching transformers for monitoring 600 to 10,000 ohm oulputs Shpg. wt., $11 / 2$ lbs.
21 H 4503
Net 7.79
MOOEL T-5 MEAOSET CONTROL BOX. FOR CORnecting stereophones to ex!sting stereo or monaural system. Impedance $4-16$ ohms. Has 2 output jacks for stereo or monaural use. Equipped with speaker on-off switch for personalized listening, Shpg wt., $11 / 4$ los. 21 H 4504

Net 8.77

## All New LAFAYYITE "1968 Mode"" Automatic Record Changers



Deluxe New Lafayette $4.5 p e e d$ automatic record changer with a balanced heavy 4 pole motor, heavy 11" turntable platter, professional type tubular tone arm with adjustable counterweight. Elegantly styled with gold plated overarm. Plays $162 / 3,331 / 3$, 45, and 78 RPM records. both stereo and monaural, either automatically or manualiy. Spindie prevents double record drops. Ribbed rubber turntable mat cushions records, and absorbs vibration thus reducing rumble. Changer automatically turns of

ACCESSORIES FOR MOOELS
200 and 400
Olled Wainut Recessed Bases. Shpg. wt. 2 lbs
21.0201W-For Model 200 ... Net 4.50 21.0203 W -For Model 400 .... Net 4.50

45 RPM Spindles. Shpr. wt. 6 ox.
21-0202-For Model 200...... Net . 99
$21-0105$. For Model 400 .........Net 1.65

New Model 200 is a quality 4 -spaed changer providing outstanding performance at a low, low price. Heavy duty $10^{\prime \prime}$ turntable platter delivers no noticeable hum, rumble or wow. Plays 162/3, 331/3, 45, 78 RPM records automatically or manually. An extra added 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 $7 m, 30^{\prime \prime}$, or $12^{\prime \prime}$ records of the same speed by manually

NEW 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


## Miracord Automatic Turntable and Cartridge Packages

OELUXE MOOEL 5OH AUTOMATIC STEREO TURNTABLE WITH CHOICE OF ELLIPTICAL STEREO CARTRIDGE


With Purchase of 50 H

Superb. 4-speed automatic turntable-Pushbutton controls. papst hysteresis motor, dynamically balanced tone arm with vernier counterweight and calibrated direct dialing stylus force selector. Built-in anti-skating, cueing. For 78, 45, 33, and 16 RPM records. Size: $14 \frac{1}{2} \mathrm{~W}$ K $12 \frac{1}{2} \mathrm{D}^{\circ}$; requires $5 \%^{\circ}$ " above plate, $3 \frac{1}{4}$ " below, 110 V 60 cycle AC. Imported from West Germany. Less base. Shor. wt., 24 lbs.
21 H 1635wx 50H Less Cartridge .................................... 149.50 21 H 1640 WXM 50 H Plus Plckering V15ATE-3 21 H 1638 wxm 50H Plus Empire 888 E

ACCESSORIES FOR MOOEL 50 H 21 H 1621 W DC. 2 Plastic Dust Cover. Shpg. wt., 1 lb......... Net 5.95
$119^{50}$
Less Cartridge And Base 11951

With Cartridge Less Base

## With Purchase Of 630

Deluxe chrome trim automatic turntable featuring feather-touch push button operation in four modes; $1 / 2$ gram tracking force: heavy cast-iron 10" turntable; finger-tip cueing; adjustable antiskating dial, adjustable cartioge positioning: four-Dole motor; calibrated counterweight, For $1623,331 / 3,45$, and 78 RPM records, Size: $133 \mathrm{~d} \mathrm{Wk} 11 \% \mathrm{C}^{-}$. For 110 volt AC 60 cycies.
Imported from west Germany. Shof. wt., 20 lbs
21 H 1641 WX 330 less cartridize
Net 119.50
21 H 1642 WXM 630 plus Pickering V15/ATE-3 ........................ 119.51
21 H 1643 WXM 630 plus Empire $888 E$
Net 119.51

## ACCESSORIES FOR MODEL 630

21 H 1636W Deluxe CWB-1 Walnut Wood Base, wt., 6 lbs. Net 11.95 21 H 1621 W DC.2 Plastic Dust Cover. Shpg. wt., 1 lb......... Net 5.95

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| Only |
| $=50$ | <br> No Money Down <br> With Walnut Wood Base <br> Plastic Dust Cover <br> Shure M-44-7 Stereo Cartridge}

oil $89^{50}$
No Money Down Shure M-44E Stereo Elliptical Cartridge

MODEL 500A AUTOMATIC TURNTABLE ENSEMBLE

4-speed automatic turntable ensemble with low mass tutular tone arm, and micrometer stylus pressure adjustment permit tracking as low as 1 gram . Features a varlably adjustable dynamic anti-skate control, automatic shut-off, interchangeable center spind e, cueing and pause control, and hum-shielded 4 -pole motor. Autonatic lock secures tone arm when unit is in OFF position. Manual or automatic selection of $7^{\prime \prime}, 10^{\prime \prime}$, or $12^{\prime \prime}$ records at $16,33,45$, or 78 RPM. Styled in satin black and brushed aluminum finish. Overall dmensions: $131 / s^{\prime \prime} \times 111 / 44^{" 4} 4^{\prime \prime}$ above, $21 / 2^{\prime \prime}$ below top surface of mounting board For 110 volt AC 60 cycles. Imported. Shpg. wt., $91 / 2 \mathrm{lbs}$. 21 H $5201 w x$ Model S00AEnsemble ......... $\$ 5$ Monthly .... Net 69.50

Deluxe automatic 4 -speed turntable ensemble with professional features, "lam-proof" ball-bearing tubular tone arm is perfectly balanced. Automatic lock secures tone arm in off position. Micrometer stylus pressure adjustment permits $1 / 3 \mathrm{gram}$ settings from 0 to 6 grams. Heavy cast, non-magnetic specially balanced and machined turntable. Cueing and pause control, variable adjustable dynamic antl-skating control, stereo muting switch, automatic shut-off, interchangeable center spindie, and dynamically balanced 4 -pole motor. Overall dimensions: $131 /{ }^{\prime \prime} \times 11 \mathrm{~L} / \mathrm{A}^{\prime \prime}, 4$ " $4^{\prime \prime}$ above, $21 / 2^{\prime \prime}$ below. Satin black, and brushed aluminum finish. For 110 voit AC 60 cycies. Imported. Shpg. wt., 11 Ibs.
21 H 5202WX Model 600 Ensemble ...... $\$ 5$ Monthly


SL-95
Less Cartridge and Base

## $129^{50}$

SL-95 with
Choice of
Eliliptical Cartridge,
Less Base

## $129^{51}$

Garrard's finest 3-speed Automatic Stereo Transcription Turntable for flawless reproduction of 3345,45 , and 78 RPM records. Professional features: Advanced ultra-low mass one piece tonearm of lightweight aluminum with Afrormosla wood insert for low resonance damping; Interchangeable cartridge cllps; gyroscopic gimballed pivots for minimal friction; adjustable counterweight: and stylus force adjustment dial with $1 / 4$ gram audible/visible settings from 0.5 grams. Adjustable movable weight anti-skating control calibrated In $1 / 2$ grams. Full $12^{\prime \prime}$ turntable has anti-static mat with 7", 10", 12" safety grooves for stylus protection. Combined manual and cueing control. Auto-Rise record safety platform for automatic play. Telescopes into unit plate when not in use. Automatic spindle and manual rotating spindle. All connecting cables. For $110-130 \mathrm{~V} 60$ cycles AC. Dim.: $1511 / 1^{\prime \prime} \mathrm{w}^{2}$ $14 \%$ " L, above Motor board $43 / \%^{\circ}$, below $3^{*}$. Shpg. wt., 13 lbs. Less base. Imported from England.
21 H 3788wX SL-95 only Net 129.50
21 H 4001WXM SL. 95 plus Pickering V15/ATE-3 21 H 4002WXM SL. 95 plus Empire 888E $\qquad$ Net 129.5 mpire 888 Net 129.51 Net 129.51
21 H 4003 WXM SL. 95 plus Shure M44E

LOWERPUSH DOWN

LIFTPRESS DOWN

SINGLE CONTROL CUEING


TO RAISE ARM TO LOWER ARM

## SL-75 AUTOMATIC TRANSCRIPTION TURNTABLE with choice of Stereo Elliptical Cartridge

Brilliant new 3-speed automatic stereo transcription turntable with professional features: low mass iwin-braced extruded aluminum tone arm for freedom from resonance. Stylus pressure set with precision "optical" knob, clearly marked 0 to 5 grams in $1 / 4$ gram increments. Adjustable counterweight. Interchangeable cartridge clips. Adjustable antl-skating control calibrated $\ln 1 / 2$ grams. Patented automatic spindle. Anti-static mat with safety grooves. Combined manual and cueing controls. Auto-Rise refractable record safety platform. Automatic and rotating manual spindle. Connecting cables. For $110-130 \mathrm{~V} 60$ cycles AC. Dim.: $151 \%{ }^{\circ}$. $\mathrm{W} \times 145 /{ }^{\circ}{ }^{-L}$, above motor board 431/", below 3". Shpg. wt., 13 lbs. less base. Imported from England.
21 H 3789 WX SL-75 only $\qquad$ Net 109.50
21 H 4004WXM SL-75 plus Pickering V15/ATE-3 $\qquad$ Net 109.51 21 H 4005 WXM SL. 75 plus Empire 888 E Net 109.51 21 H 4006 WXM SL- 75 plus Shure M44E Net 109.51


# All Garrard Synchro-Lab Models built around brilliant new 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
NEW
SL-65 SYNCHRO with choice of Elliptical Cartridges

$79^{50}$

Garrand NEW
SL-55 SYNCHRO with choice of Elliptical Cartridges

SL. 55 with choice of elliptical cartridge less base

$$
59^{50}
$$

Exciting automatic turntable with tubular, dynamically balanced, counterweight-adjusted tonearm. Stytus pressure set with precision knurled optical type knob, Cast, balanced oversized turntable. Cueing and pause lever control. Automatic antl-skating assembly. Plays $162 / \mathrm{h}, 334 \mathrm{~s}, 45$, and 78 RPM records. Intermix operation, Automatic and manual spindles. Connecting cables, For $110-130 \mathrm{~V}$ 60 cycles AC. Dim.: $153 / 4 W \times 1342=1$, above motor board $43 / 4$ ", below 27/8". Shpg. wt., 13 lbs, less base, Imported from England. 21 H 3790 Wx
21 H 4007 WXM SL-65 pius Pickering V15/ACE-3
21 H 4008WXM SL-65 plus Empire 808 E
21 H 4009wxM SL-65 plus Shure M32E

Net 79.50 Net 79.51 Net 79.51 Net 79.51

Excellent compact model, featuring lightweight tubular tone-arm, with fixed counter balance weight, stylus pressure indicator with gram markings. 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 $110-130 \mathrm{~V} 60$ cycles AC. Dim.: $147 / 2 W^{x} \times 133 / 4{ }^{" L}$, above motor board $47 / 4{ }^{\prime \prime}$, below $27 / \mathrm{a}^{\prime \prime}$. Shpg. wt., 11 Ibs, less base, Imported from England.
21 H 3791wx SL. 55 only $\qquad$ Net 59.50
21 H 4010WXM SL-55 plus Pickering V15/ACE-3 $\qquad$ Net 59.50
21 H 4011 WXM SL-55 plus Emplre $808 E$ $\qquad$ Net 59.51
Net 59.51 21 H 4012 WXM SL-55 plus Shure M32E

Your Choice of Stereo Elliptical Cartridges for only C more - See Listing under each turntable. (See Page 111 for each cartridge.)


# Gamand 

## AUTOMATIC TURNTABLES \& ACCESSORIES

Model 40/II Alone less cartridge and base

## $44^{50}$

See turntable - cartridge listing below (See Page 111 for cartridge description.) 4 speed automatic intermix stereo turntable- $162 / 3,45$, and 78 RPM. Counterweighted cast aluminum tone arm. Automatic intermix operation when desired. Handsomely styled unitized control panel with separate positions for manual and automatic play. Simple, convenient stylus pressure adjustment. Oversized furntable with decorative mat. Garrard 4-pole shaded "Induction Surge" motor, with dynamically balanced rotor, shielded from hum. Size: $141 / 4$ L $x$ $121 / 2^{\prime \prime} 0$. Requires $47 \mathrm{~m}^{\prime \prime}$ above and $27 /$ a " below motor board. Comp $^{2}$ plete with alt connecting cables. Less base. For $110-130$ volts, 60 cycles AC. Shpg, wt., 11 Ibs.imported from England.
21 H 3756W Model 40/MK-II only \$5 MonthlyNet 44.50 21 H 4013WM Model 40/MK-1I plus Pickering V15/AC-3 Net 44.5 21 H 3767 WM Model 40/MK-11 plus Empire 888 $\qquad$ Net 44.51
21 H 3768 WM Model 40 /MK.II plus Shure M-44-7 Net 44.51
21 H 4014WM Model 40/MK-II plus Pickering V1S/ACE-3 - Net 49.50 21 H 4015WM Model 40/MK-II plus Empire 808E $\qquad$ Net 49.50 21 H 4016WM Model 40/MK-II plus Shure M32E Net 49.50


- Full Size Weighted Turntable - Automatic Return of Arm To Rest, and Shut Off After Play

Less Base $\$ 5$ Monthly
$40 / 11$ with choice of Conical Cartridge less base $44^{51}$

Modla 40/II with choice of Elliptical Cartridge less base $49^{50}$

No Money Down

Gaarard mooet 30

## AUTOMATIC TURNTABLE

$39^{50}$
Complete with Ceramic Diamond Stylus Stereo Cartridge

- Fine Garrard Built Motor
- Automatic Intermix Operation

New Garrard 4 -speed automatic stereo turntable designed especiallyfor use in low priced hiffi systems, and perfect for replacement in consoles and phonographs. Features oversized, weighted turntable, one plece cast aluminum tone arm, ultra compact size. Plays $162 / 3$, 331/s, 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.: $14 \%{ }^{\prime \prime} \times 123 / 4^{\prime \prime}$. above motor board $43 / 4^{\prime \prime}$, below $21 / 4^{\prime \prime}$. Shpg. wt., $101 / 4$ lbs. For $110-130 \mathrm{VAC}, 60 \mathrm{cps}$. Shipg. wt., 11 lbs . less base. Imported from England.
21 H 3792W

An excellent, compact, 4 -speed manual record player for basic music systems and quality audio visual applications. Plays 162/3, 331/3, 45, and 78 RPM. Features full size weighted turntable, specially destgned Garrard Motor, semi-counter balanced Tone arm with adjustable stylus pressure, interchangeable plug in head, automatic return of tone arm to rest and shut-off after play. Size: $143 / 8 \mathrm{~L} \times 121 / 2 \mathrm{~W} \times$ $31 / 2^{\prime \prime}$ above and $21 / 8^{\prime \prime}$ below motor board. Imported from England. (Less base) for $110-130 \mathrm{~V}, 60 \mathrm{CPS}$. Shpg. wt., 9 lbs.
21 H 3752W Model 20. \$5 Monthly Net 37.50
21 H 3753WM Model 20 with P/AT-1 Net 37.51
21 H 4017 WM Model 20 with V15/ACE- 3 $\square$ Net 37.51
Net 47.50

## ACCESORIES FOR GARRARD AUT <br> ACCESSORIES FOR GARRARD AUTOMATIC TURNTABLES AND PLAYERS



Garrard Simulated Ebony and Walnut Base with Silver Trim, 21 H 3793 W For SL75 and SL95. Shpg. wt., 2 lbs. Net 5.95 21 H 3761W For SL5S, SL65, 60 series, 50 series, 40, 20 ... Net 4.95 Power-Matic Bases: Automatically turns off amplifier when last record has played. Swltch permits use of amplifier without changer. For 110 VAC 60 cps . Shpg. wt., 6 lbs.
21 H 3794 W for SL65, SL55, 40,30 and 20 series $\qquad$ Net 14.95 21 H 3795W For SL75, and SL95 Net 15.95

Garrard Crystal Clear Styrene Dust Covers. Can be used in place while playing a stack of records. Shpg. wt., $11 / 2 \mathrm{lbs}$.
21 H 3765 W for SL75, SL95, Lab 80,70 Series $\qquad$ Net 5.95 21 H 3764 W For SL55, SL65, 60, 50, 40, 20 Series
 Net 4.95
Lafayette Wood Mounting Boards-Unfinished, Shpg. wt., $11 / 2 \mathrm{lbs}$. 24 H 1216 W For SL75, and SL95. Net 1.30 24 H 1209W For SL55, SL65, 60, 50, 40, 20 Series _.......Net 1.30
Extra-plug in Shells with all mounting accessories. Wt., 6 oz . 21 H 3728 For SL55, SL65, 40 and 20 Series ____ Net 1.75 21 H 3798 For SL75 21 H 3796 For SL95 Net 1.75
45 RPM Splndles. Shpg. wt., 10 oz .
21 H 3787 For SL5S, SL $65,60,50,40$ Series

# Professional Automatic Turrtables By united 

YOUR CHOICE OF 1 OF 3 famous make elliptical STEREO CARTRIDGES WITH THE PURCHASE OF DUAL 1019, 1009SK, OR NEW 1015 AUTOMATIC TURNTABLE.

# Pickering V15/ATE-3 EMPIRE 888E SHURE M44E 

## DELUXE DUAL 1019 DELUXE 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 $162 / 3,331 / 3,45,78$ RPM. Elevator-actlon changer spindle holds up to 10 records. Dynamically balanced tonearm tracks and trips with as low as $1 / 2$ gram stylus force, permitting use of the finest high compliance cartridges at their lowest recommend tracking forces. Arm is completely free floating during play. Slip clutch prevents jamming. Direct reading stylus force adjusiment 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 $6 \%$ vernier variable speed control. Magnesium tone arm head. Cartridge holder has adjustment for stylus overhang. Automatic shut-off after last record has been played. Trim is of cast metal. Size: $121 / 4^{\prime \prime} \times 11^{1 / 2^{\prime \prime}}, 6^{\prime \prime}$ clearance above and $3^{\prime \prime}$ below mounting board. $1 / 2^{\prime \prime}$ clearance at rear and right for cabinet installation. 110/220V. 60 cycte AC. Imported. Shpg. wt., 24 lbs.
21 H 6533 WX 1019 Less Cartridge
Net 129.50 21 H 6556 WxM 1019 Plus Pickering V15/ATE-3 Ellip. Cart. Net 129.51 21 H 6539wxm 1019 Plus Empire 888E Ellip. Cart. Net 129.51 21 H 6540 wxM 1019 Plus Shure M-44E Ellip. Cart.

Net 129.51

## DUAL 1009SK STEREO AUTO/PROFESSIONAL TURNTABLE with Choice of Elliptical Stereo Cartridge

Same deluxe features as Model 1019 except dynamically balanced turntable platter of non-ferrous alloy. weighs 4 pounds and does not include variable speed adiustment. Plastlc trim. Operates on 110/220 volts 60 cycles AC. Size $12^{3 / 4} \times 10^{2} / 2^{\prime \prime}$. Imported. Shpg. wt., 21 lbs . 21 H 6541wx 1009Sk Less Cartridge Net 109.50 21 H 6557wxM 1009Sk Plus Pick. V15/ATE-3 Ellip. Cart.... Net 109.51 21 H 6543wxM 1009SK Plus Empire 888E Ellip. Cart. Net 109.51 21 H 6544wxM 1009Sk Plus Shure M-44E Ellip. Cart. Net 109.51

## NEW DUAL 1015 STEREO AUTOMATIC TURNTABLE <br> with Choice of Elliptical Stereo Cartridge

New popular-priced 4 -speed automatic turntable with many of the new features of the more expensive Dual Models. Dynamically bal. anced tone arm, tracks as low as $1 / 2$ gram, direct-dial anti-shating control, manual and automatic cueing control. 4 pound turntable platter. $12 \frac{1}{2} \times 1034^{m}$. Imported. Shpr. wt., 21 lbs.
21 H $6552 \mathrm{wX} \$ 5$ Monthly
Net 89.50 21 H 6553 WXM 1015 plus Pickering V15/ATE. 3 Ellip. Cart. Net 89.51 21 H 6554WXM 1015 plus Empire 888E Ellid. Cart. Net 89.51 21 H 6555 WXM 1015 plus Shure M44E Ellip. Cart. Net 89.51

## - ACCESSORIES FOR DUAL TURNTABLES

Lafayefte recessed $0 i l$ Walnut Wood Base. Shpg. wt.. 4 lbs. 24 H 1211w

Net 4.95 Deluxe Dual WB-93 oil walnut wood base with tapered sides. Shpg. wt.. 6 lbs.

Net 11.95 21 H 6558W
Deluxe Dual DC-3 Plastic-Tinted Dust Cover. For use with Dual WB-93 base only. Shpe. wt., 2 lbs.

Net 8.95
21 H 6549w
Lafayette dust cover. For use with Lafayette recessed base only. 24 H 0247W Deluxe Dual DCB-3 integrated oiled walnut base and tinted plexiglass cover. Size $161 / 2 \mathrm{~W} \times 141 / 2 \mathrm{D} \times 81 / 2^{\prime \prime} \mathrm{H}$.
 Model AS-9 45 RPM Spindle. Shpg. wt.. $1 / 2 \mathrm{lb}$. 21 H 6525

Net 5.95
CH-19 Extra cartridge holder. Shpg. wt., 302. 21 H 6551

Net 3.95


## Famous Precision Made Manual Turntables MODEL XA STEREO TURNTABLE With Choice of Elliptical Stereo Cartridge

$\Delta R$


## SAVE up to $29^{95}$ fominafidual

Outstanding turntable featuring a rugged 3.3 lb , balanced aluminum platter belt driven from synchronous motors operating at $331 / 3$ and 45 RPM. Turntable and arm are shock-mounted from the top plate eliminating vibration. Meets NAB specifications for broadcast equipment on wow, flutter and speed accuracy. Inciudes cables, overhang adjustment device and needle force gauge. Size with cover- $123 / 4 \times$ $163 / 4 \times 51 / 4 *$, Shpg. wt., 18 lbs.

21 H 7258 WXM XA plus Pickering V15/ACE-3 _ . $\quad$ Net 78.01
21 H 7259 WXM XA plus Empire 808E Net 78.01
21 H 7260WXM XA plus Shure M32E, Net 78.01
Model XA/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 lbs.
21 H 7261 WX XA/U less cartridge Net 87.00 21 H 7262 WXM XAU plus Pickering V15/ACE 3 Net 87.01


Extra cartridge shell for AR turntables. Wt., 102.
Net 1.99

With Cartridge
No Money Down
No Money Down

Tuntable Comes Complete With Tone Arm, Walnut Wood Base And Plastic Dust Cover
$\begin{array}{ll}21 & \mathbf{7 2 5 7}\end{array}$
BOGEN B- 62 STEREO TURNTABLE With Choice of Elliptical Stereo Cartridge

with
wartridge

## PICKERING V15/ACE-3 29.95


29.95


EMPIRE 808E 29.95


SHURE M32E 25.00

Bogen 862-Deluxe turntable, completely wired for stereophonic and monaural high fidelity systems. Four pole, heavy duty, constant-veloclty motor and nonferrous $73 / 4 \mathrm{lb}$. turntable providing no measurable hum or flutter. Four speeds: $162 / 3,331 / 3,45$ and 78 rpm , continuously varlable from 29 to 86 rpm . Profes sional style arm has plug-in head. Arm is raised and lowered by the flip-switch and features micrometer-type, easy to read weight adjustment gauge. Less than $0.2 \%$ wow and flutter. For $95-125$ volts 60 cDS. AC. Imported from Switzerland. Less base. Shpg. wt., 20 lbs.

21 H 1721 WX B-62 Less Cartridge $\$ 5$ Monthiy
21 H 1765 WXM B-62 Plus Pickering V15/ACE-3
21 H 1766 WXM B. 62 Plus Empire 808 E 21 H 1767 WXM B-62 Plus Shure M32E ACCESSORIES FOR B-62
21 H 1754 W Walnut Wood Base. Wt., 5 lbs. 21 H 1756 W Plastic Dust Cover. Wt., 1 io

Net 67.95
Net 67.96
Net 67.96 Net 67.96

Net 5.25
Net 5.50

## DELUXE EMPIRE TROUBADOUR 398 STEREO TURNTABLE

Empire 888 TE Elliptical Stereo Cartridge Only $1 \notin$ More With Purchase of 398.

Save 49.94 From Individual Catalog Prices

| ${ }^{398}$ Lesse $164{ }^{95}$ | 398 with $164{ }^{96}$ |
| :---: | :---: |

Emplre Troubadour 398-A deluxe three-speed transcripfion turntable. Speeds: $331 / 3,45,78$ RPM, Vibration free belt drive and dynamically balanced hysteresis synchronous motor. Precision machined heavy aluminum base plate and balanced 6 -pound aluminum turntable. 980 tone arm features free suspension and perfect dynamic balance in alf planes. Tracks at less than 1 gram. Satin gold finlsh. Includes ailed wainut wood base. Size: $17 \mathrm{~W} \times 150 \times$ $81 / 4$ "H. Shpg. wt. 28 Ibs.
21 H 3451 Wx 398 less cartridge $\$ 9$ monthly _.... Net 164.95 21 H 3474WXM 398 plus Empire 888 TE $\$ 9$ mo.... Net 164.96

# PickeringeviMPIRE：Sールーe Stereo Cartridges 



PICKERING MAGNETIC STEREO CARTRIDGES
（A）NEW OELUXE XV－15 D．C．F：SE日IES－Engineered so that each type cartridge in the series is specially indexed with a DCF＊num－ ber for use with specific playpack equipment．Provides maximum stylus performance．Includes＂Dustamatic Brush＂which auto－ matically cleans the grooves in advance of the stylus．Specifica－ tions：Channel separation 350b；Nominal output， 6.0 mv except XV－15／AME 4.0 mv ．Frequency response 10 to $25,000 \mathrm{cDs}$ ．Except XV－15／AME 10 to $30,000 \mathrm{cps}$ ．Sty us type：XV－15／AME ．0002＂x $.0009^{\prime \prime}$ elliptical；XV－15／ATE $.0004^{\prime \prime} \times .0009^{\prime \prime}$ elliptical；XV－15／AC .0007 conical．Tracking force：XV－15／AME $1 / 4$ to $11 / 2$ grams；XV． 15／ATE 1 to 4 grams；XV－15／AC 2 to 6 grams．Shpr．wt．． 6 oz．

| Stock No． | Model | DCF＊ | For | Net |
| :--- | :---: | :---: | :---: | ---: |
| 21 H 5375L | XV－15／AME | 400 | Manual turntables | 49.95 |
| 21 H 5378L | XV－15／ATE | 250 | Automatic turntables | 44.95 |
| 21 H 5379 L | XV．15／AC | 100 | Automatic changers | 29.95 |

－Dynamic Coupling Factor．
［B DELUXE＂MICRO－MAGNETIG＂CUSTAMATIC IT SERIES．DUSTA－ matic stylus will protect your records from dust and preserve their natural sound．Integrated with the stylus assembly，the Oustamatic brush automatically cleans the grocves in advance of the stylus－ without interfering with the tracking force．Improves stability by preventing your tone arm from skating．SPECIFICATION：Frequency Response 10 to $25,000 \mathrm{cDs}$ except V15／ACE－3 and V15／AC－3 20 to 20,000 cps，channel separatior 35 db ．Nominal output：V15／AME－ 3 and V15／AM－3：5．0 mv．V15／ATE－3 and V15／AT－3：6．0，mv V15 ACE－ 3 and V15／AC－3：6．9 mv foutput with reference to $5.5 \mathrm{~cm} / \mathrm{sec}$ ．stand－ ard record velocity）．Tracking Forces V15／AME－3 $3 / 4$ to $1 / 2 \mathrm{gr}$ ．V15／ ATE－3 2 to $5 \mathrm{gr}, \mathrm{V} 15 / \mathrm{AM}-33$ to 3 gr ．V15／AT－3 1 to 5 gr V15／ ACE－ 33 to 5 gr ．V15／AC－3 3 to 7 gr ．Avg．shpg．wt．， 5 Oz
21 H $5370 L$ V15／AME－3 Elliptical $\$ 5$ monthly
Net 44.95 21 H 5374L V15／ATE－3 Elliptical $\$ 5$ monthly Net 39.95 21 H 5377 L V15／ACE－3 Elliptical 21 H $5372 L$ V15／AM－3 Conical $\$ 5$ monthly 21 H $5373 L$ V15／AT－3 Conical Net 29.95 21 H 5376 L V15／AC－3 Conical

Net 34.95
Net 29.95
［C］P SERIES STERED CARTRIDGE－Frequency Response 20－15：000 cps．Nominal output P／AT－1 85 mv ．P／AC－1 9.0 mv ．Channel sep－ aration $20-25 \mathrm{db}$ ．Tracking Force：P／AT－1 2 to $5 \mathrm{grams} ;$ P／AC－ 13 to 7 grams with .7 mil diamond stylus．Shpg．wt．， $40 z$.
21 H 5356 L P／AT－1 for manual turrtable
NeI 17.95
21 M $5357 L$ P／AC－ 1 for record changer
Net 15.95

## EMPIRE MAGNETIC STEREO CARTRIDGES

D 088 SERIES．Deluxe stereo cartridges with patented＂Magne． tic Cone Stylus．＂Frequency response：888－12 to 25.000 cps， $888 \mathrm{E}-10$ to $30,000 \mathrm{cps}, 888 \mathrm{TE}-5$ to $32,000 \mathrm{cps}$ ．Channel sed－ aration for each cartridge exceeds 30 db ．Tracking force： 888 － $1 / 4$ to 6 grams． $888 \mathrm{E}-1 / 4$ to 6 zrams， $888 \mathrm{TE}-1 / 2$ to 2 grams． Tracking angle $15^{\circ}$ on all cartridges．Stylus： 888.7 mil conical diamond， $888 \mathrm{E}-.4 \times .9 \mathrm{mil}$ ellipical diamond． $888 \mathrm{TE}-2 \times .7$ mll，elliptical hand polished diamond．Shpg．wt．， 7 oz. 21 H 341 日L 888 Conical－for automatic turntable．．． 21 H 3457 L 888E Elliptical－for antomatic turntable

Net 24.95 21 H 3469 L 888TE Elliptical ．．tor manual furntable

Nel 39.95


## EMPIRE MAGNETIC STEREO CARTRIDGES

［E］NEW EMPIRE PRDFESSIONAL 999VE，SUPER QUALITY STEREO EL． LIPTICAL CARTRIOGE－for high performance record playback sys－ tems only．WIII track $30 \mathrm{~cm} / \mathrm{sec}$ at less than 1 gram．Patented 4 － pole， 4 －coil， 3 －magnet design．Frequency Response： 6 to $35,000 \mathrm{cps}$ ． Output voltage： 5.0 millivolt per－channel．Channel separation：more than 30 db ．Tracking force $1 / 2$ to $11 / 2$ grams．Tracking angle $15^{\circ}$ ． Stylus： $2 \times .7 \mathrm{mil}$ elliptical hand polished diamond．
21 H 3471L Shpg．wt．． 7 0z．\＄5 Monthly
Net 74.95
［F］EMPIRE 8ORE，STEREO－MDNO ELLIPTICAL CARTRIDGE．Recom－ mended for use with automatic turntables or changers．Tracking force： 1 to 4 grams．Channel separation more than 30 db ．Output voltage： 8.0 millivoits per channel．Frequency response： 10 to 25,000 cos．Tracking angle $15^{\circ}$ ．Stylus $.4 \times .9 \mathrm{mil}$ elliptical dla． mond．Shpg．wt． 6 oz． 21 H 3470 L

Net 29.95

## SHURE MAGNETIC STEREO CARTRIDGES

（C）NEW MDDEL M32E ELLIPTICAL STEREO CARTRIDGE－DEsigned for use in automatic turntables，and changers．Recommended tracking force $21 / 2$ to 5 grams．Frequency Response： 20 to 17，500 cps．Channef separation： 20 db at $1,000 \mathrm{cps}$ ．Output voltage： 9.0 mv per channel at $1,000 \mathrm{cps}$ ．Elliptical stylus $.0004^{\prime \prime} \times .0007^{\prime \prime}$ ． Shpg．wt．， 6 oz ．
21 H 6239L
Net 25.00
［］］M．44－7 CONICAL CARTRIOGE－Utilizes professional $15^{\circ}$ track． ing angle．Ideal for use with automatic record changers．Frequency Response： $20-20,000$ cps．Channel separation 25 db ．Compliance $20 \times 10 \mathrm{~cm} /$ dyne．Tracking range at $11 / 2$ to 3 grams ．Output volt－ age： 9 Millivolts，with $.0007^{\prime \prime}$ diamond stylus．
21 H 6216L

## Net 19.95

1 MODEL M44E ELLIPTICAL STEREO CARTRIDGE feafures an elliptical stylus（ $0004^{4 \prime} x .0007^{\prime \prime}$ ）designed for automatic turntables requlring a cartridge that will track in the $11 / 4$ to 4 gram range．
Specifications：Frequency response： $20-20,000 \mathrm{cps}$ ，channel separa－ tion： 25 db ，Output voltage： 9.3 mv ．Compliance： $15.0 \times 10 . \mathrm{cm} /$ ． dyne．Shpg．wt．， 602.
21 H $6236 \mathrm{~L} \$ 5$ monthly
Net 34．50
1］V15 TYPE II SUPER TRACK $15^{\circ}$ STERED OYNETIC ELLIPTICAL
CARTRIDGE．Shure＇s premiere cartridge featuring high frequency trackablity．Recreates music with transcendent purity．Retractable elliptical $.0007^{\prime \prime} \times .0002^{\prime \prime} 15^{\circ}$ diamond stylus．Specification：Frequency response： 20 to $20,000 \mathrm{cps}$ ．Channel separation： 25 db ，Output voltage： $\mathbf{3 . 5} \mathrm{mv}$ ．，Compliance： $25 \times 10-\mathrm{cm} /$ dyne．Tracking force： $1 / 4$ to $1 \frac{1}{2}$ grams．Shpg．wt．， 602.
21 H 6238L $\$ 5$ monthly
Net 67.50
［ K ］MODEL M7／N21－0 STERED CARTRIDGE．A deluxe moving magnet stereo cartridge with tubular stereo stylus assembly for $9.0 \times 10$－ $\mathrm{cm} /$ dyne compliance and .7 mil diamond stylus．Frequency response： 20 to $20,000 \mathrm{cps}$ ．Channel Separation：More than 20 db at 1000 cps ． Output voltage： 4 mv per channel at 1000 cps ．Recommended load impedance is 47,000 ohms．Tracking force； 2 to 5 grams．Tracks perfectly in all record changer arms．Shpg．wt．， 5 oz
21 H6206L
Net 17.95
L PICKERING VI5AME－1－OUR LOWEST PRICED ELLIPTICAL STEREO CARTRIDGE．Patented＂V－Guard＂stylus assembly．Fsea． resp．： 20 to $20,000 \mathrm{cps}$ ．Nominal output 5.5 mv ．Shpg．wt．， 3 oz ． 21 H 53441

# Famous Name Stereo Cartridges and Replacement Diamond Needles 



## GE MAGNETIC STEREO CARTRIDGE

MODEL YR-1000-3 ELLIPTICAL DIAMONO NEEDLE STEREO CARTRIDGE. For any quality changer or professional tone arm that tracks from 3.7 grams vertical force. Frequency response 20 to $20,000 \mathrm{cps}$ $\pm 2 \mathrm{db}$. Recommend load resistance-each channel for flat response 47 K ohms. Output: 1 mv per $\mathrm{cm} / \mathrm{sec}$. Minimum Tracking angle $15^{\circ}$. Separation over 25 db at 1 kc -channel balance at 1000 cycles 2 db or better. Shpg. wt., 502.
21 H 3849 L
shpg. wt., 502.
Net 18.75
MODEL VR-1000-5 FOR TURNTABLES. Complete with .5 mil diamond stylus for use with automatic turntables or professional tone arms requiring less than 4 grams tracking force. Freq. response $\pm 3 \mathrm{db}$ from 20 to 20,000 cycles. Output is 1 millivolt per $\mathrm{cm} / \mathrm{sec}$. of stylus velocity, balance within 2 db or better at 1000 cycles. Recommended tracking force $1-3$ grams. Lateral compliance $60 \times 10-\infty \mathrm{cm} / \mathrm{dyne}$. Vertical compliance $9 \times 10^{-4} \mathrm{~cm}-\mathrm{dyne} .1 / 2$ inch mounting centers. Shpg. wt. 6 oz. $\qquad$ Net 12.58
MODEL VR-1000.7 FOR CHANGERS. Essentially the same as the VR-1000-5 but is designed for the greater tracking force of 3.7 grams required by most record changers. Separation is 25 db . Lateral compliance is $4.5 \times-0.6 \mathrm{~cm} /$ dyne. Vertical Compliance, $4.0 \times 10-9 \mathrm{~cm} / \mathrm{dyne}$. Shpg. Wi, 602.
21 H 3803 L
Net 10.50

## GRADO STEREO CARTRIDGES

Widely acclaimed solld state stereo ceramic cartridges compatible with all component high fidelity systems. Insensitive to magnetic hum pick-up. Frequency response $10-50,000 \mathrm{cps}$, output voltage5.5 millivolts at 3.54 CMV . Channel separation -average 20 db .full range, Input Load 47,000 ohms per channel, compliance $25 \times 10 \%$, Tracking force 1.5 to 5 grams. DC resistance 12,000 ohms. Wt, 5 oz. Stock Mo. $\qquad$ Model Stylus Nê Ea.
21 H 4131 L BTR
BTE 6 m Diamond Spherical $.6 \times .3$ Diamond Elliptical


## ADC MAGNETIC STEREO CARTRIDGE

MODEL 10/E-MKII ELLIPTICAL STEREO CARTRIOGE. Deluxe induced magnet low mass design stereo cartridge with .0003" x.0007" Elliptical diamond stylus. Vertical tracking angle $15^{\circ}$, tracking force range- $1 / 2 \mathrm{gram}$ to $11 / 2$ grams, channel separation 30 db , frequency response 10 to $20,000 \mathrm{cps}$. Sensitivity 4 mv at $5.5 \mathrm{cms} / \mathrm{sec}$. recorded velocity. Shpg. wt., 6 oz .
21 H 1319L $\$ 5$ monthly
Net 49.50
660/E ELLIPTICAL STEREO CARTRIDGE-Induced magnet low mass design. Frequency response $10-20,000 \mathrm{cps} \pm 3 \mathrm{db}$. Channel Separation $30 \mathrm{db}, 50$ to $8,000 \mathrm{cps}$. Vertical Tracking angle $15^{\circ}$. Elliptical Diamond stylus-contact radlus $.0002^{\text {" }}$. Lateral radius $.0008^{\prime \prime}$. Tracking force 1 to 3 grams . Wt. 502.
21 H 1314 L
Net 29.50
770 STEREO CARTRIDGE-Induced-magnet low mass design. For high quality record changers. Tracking force: $2-6$ grams. Separation 30 db . Response $10-20,000 \mathrm{cps} \pm 3 \mathrm{db}$. Sensitivity 8 mv at $5.5 \mathrm{~cm} / \mathrm{sec}$. Wt. 802.

Net 17.95
220 STEREO CARTRIDGE-Induced-magnet low mass design. Tracking force $2-5$ grams. Separation 20 db . Response 10 to $18,000 \mathrm{cps}$. Shps, wt., 402.
21 H 1323 L
Net 9.95

## NEW ORTOFON S-15/T ELLIPTICAL STEREO CARTRIDGE

## - Rugged, Super Sensitive Moving Coil Cartridge

 Professional stereo carridge features, unique printed circuit, retractable elliptical stylus, uitrahigh sensitive compliance. Hydrogen annealed magnetic shield. Frequency response 20-22,000 cps, recommended stylus pressure 1 to 2 grams, tracking angle $15^{\circ}$, channel separation 20 to 30 db . Shpg. wi., 402. $21 \mathrm{H}_{2108}$Net 80.00

## DIAMOND REPLACEMENT NEEDLES FOR FAMOUS Hi-Fi CARTRIDGES

Exact Styli Replacements for Pickering, Shure, Empire, GE and ADC

| Stock No. | MFR. | Type | Stylus | For | Net | Stock No. | MFR. | Type | Stylus | For | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21 H 5345L | Plck. | D1500AME | ELLIP. | V15/AME-1, AME-2 | 12.95 | 21 H 3441 L | Empire | S888P-6RD | 6 MIL | $888 \mathrm{P}$ | 14.95 |
| 21 H 5346 L | Plck. | D1507AM | . 7 MIL | V15/AM-1, AM-2 | 12.25 | 21 H 3445 L | Empire | S888.7RD | . 7 MIL |  |  |
| 21 H 5347L | Pick. | D1507AT | 7 MIL | V15/AT-1, V15/AT-2 | 10.95 | 21 H 3461 L | Empire | S888E-ERD | ELLIP. | 888 E | 16.95 |
| 21 H 5348L | Pick. | D1507AC | 7 MIL | V15/AC-1, V15/AC-2 | 9.95 | 21 H 3462L | Empire | S888SE-ERD | ELIIP. | 888SE | 22.95 |
| 21 H 5349L | Pick. | D1510 | 1 MIL | V15 Series | 11.90 | 21 H 3472 L | Empire | S999VE-ERD | ELLIP. | 999VE | 36.95 |
| 21 H 5350L | Pick. | D1527 | 2.7 MIL | V15 Series | 9.90 | 21 H 3473 L | Empire | S888TE-ERD | ELLIP. | 8887E | 24.95 |
| 21 H 535 gL | Pick. | P/007-T | . 7 MIL | P/AT-1 | 9.90 | 21 H 6202 L | Shure | N3D | . 7 MIL | M3D, M70 | 7.95 |
| 21 H 5360L | Pick. | P/007-C | . 7 MIL | P/AC-1 | 9.15 | 21 H 62071 | Shure | N21D | . 7 MIIL | M7D, M3D | 12.50 |
| 21 H 5302 L | Plek. | D3807AT | 7 MIL | U38AT | 9.90 | 21 H6217L | Shure | N44-5 | . 5 MIL | M-44.5 | 11.35 |
| 21 H 5307L | Pick. | D3807A | . 7 MIL | 380A | 12.00 | 21 H6218L | Shure | N44-7 | . 7 MIL | M-44-7 | 9.75 |
| 21 H 5306L | Plick. | D3807C | . 7 MIL | 380C | 10.90 | 21 H 6220L | Shure | VN2E | ELLIP. | V15 | 25.00 |
| 21 H 5353L | Pick. | D3810C | 1 MIL | U38AT, 380C | 9.90 | 21 H 6224L | Shure | N55E | ELLIP. | M80, M55 | 20.00 |
| 21 H 5313L | Pick. | D3827C | 2.7 MIL | U38AT, 380C | 10.90 | 21 H 6225L | Shure | N99 | 7 MIL | M99 | 12.95 |
| 21 H 5311 L | Pick. | D9007 | . 7 MHL | MARK/II | 9.90 | 21 H 6237L | Shure | N44E | ELLIP. | M44E | 18.00 |
| 21 H 5363L | Pick. | D1500ATE-2 | ELLIP. | V15/ATE-2 | 17.90 | 21 H 6240 L | Shure | N32E | ELLIP. | M32E | 13.50 |
| 21 H 5364L | Pick. | D1500AME -3 | ELIP. | V15/AME-3 | 24.95 | 21 H 1309 L | ADC | R-4 | . 7 MIL | P/FOUR | 12.00 |
| 21 H 53E5L | Pick. | D1507ATE-3 | ELLIP. | V15/ATE-3 | 22.50 | 21 H 1310 L | ADC | R-4E | ELIP. | P/4-E | 18.00 |
| 21 H 5367L | Plick. | D1507AT-3 | . 7 MIL | V15/AT3 | 13.75 | 21 H 1311 L | ADC | R. 660 | . 7 MIL | 660 | 10.00 |
| 21 H 5381L | Pick. | 4500AME | ELIIP. | $X V$-15AME | 26.95 | 21 H 1312 L | ADC | R.770 | . 7 MIL | 770 | 9.00 |
| 21 H 5382L | Pick. | 4500ATE | ELLIP. | XV-15ATE | 24.95 | 21 H 1315 L | ADC | R.660/E | ELLIP. | 660/E | 18.00 |
| 21 H 5380L | Pick. | 4507AC | ELLIP. | XV.15AC | 12.40 | 21 H 1320L | ADC | R/11-E | ELIP. | 10/E-11 | 22.50 |
| 21 H 5368 L | Pick. | D1510-3 | 2.7 MIL | V15-3 Series | 14.40 | 21 H 3802L | GE | DR-5D | . 5 MIL | V1000-5 | 753 |
| 21 H 5369L | Pick. | D1527-3 | 1 MIL | V15-3 Series | 12.40 | 21 H 3804L | GE | DR-70 | . 7 MIL | V1000-7 | 6.27 |
| 21 H 5383L | Plick. | D1507AC-3 | . 7 MIL | V15AC-3 | 10.90 | 21 H 3806L | GE | VR222 | . 7 MIL | VR-22 | 4.87 |
| 21 H 5384L | Pick. | D1500ACE3 | ELLIP. | V15ACE-3 | 20.40 | 21 H 3808L | GE | VR221 | . 5 MIL | VR-225 | 5.01 |
| 21 H 3404L | Empire | S880P-6RD | . 6 MIL | 880P | 12.95 | 21 H 3850L | GE | DR3D | ELLIP. | VR. 10003 | 11.95 |
| 21 H 3413 L | Empire | S880PE.ERD | ELLIP. | 880PE | 18.95 | 21 H 4133L | Grado | BTR/S | . 7 MIL | BTR | 7.50 |
| 21 H 3440 L | Emolr | S888PE-ERD | ELLIP. | 888PE | 20.95 | 21 H 4134 L | Grado | BTE/S | ELLIP. | BTE | 12.50 |

# Phono Preamps - Stereo Tone Arms - Turntables LAFAYETTE PHONO PREAMPLIFIERS 



MONAURAL PHONO PREAMP<br>$5^{95}$

A self powered monaural pre-amplifier for use with any Hi-fi ampli fier that does not have a low level input for magnetic cartridges, tape head, or microphone. Response: $\pm 2$ db $30-20,000$ cps, Gain (Phono): $40 \mathrm{db}, 5 \mathrm{mv}$ input tor 1 volt output, Gain-Mike 60 db , 1 mv input for 1 volt output. Output impedance: 100,000 ohms. Phono. Tape Equalization switch, 2 input jacks, 16 inch output lead with RCA phono plug, Power supply: $105-125$ VAC, $50 / 60$ cycles, 4 watts, Size: $37 / 4 \times 35 \times 31 \%{ }^{\prime \prime}$, Polished chrome chassis. Less 12AX7A tube. Imported. Shpg. Wt., $21 / 2$ tos.
99 H 0138
Het 5.95
12ax7A tube for above. Shpg. wt., 402.
Net ea, 1.13

## LAFAYETTE SOLID STATE STEREO MIXER/PREAMP

$14^{95}$

"All-Transistor" stereo-mixer/preamp! For use with any power amplifier not incorporating low-level linputs for magnetic castridges, tape heads and low-impedance microphones. 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 tor left/ right channel; equalization switch; power off/on switch; mode switch; built-in 9V DC power supply, or, operates off 117 i $50 / 60$ cycles $A C$. Input impedance: 50 K ohms. output impedance 5 K ohms at max. vol. Size: $21 / 2 \mathrm{H} \times 7 \mathrm{~W} \times 51 / 2^{\prime \prime} \mathrm{O}$. With battery. Imported, Shpg. wt. $11 / 4 \mathrm{lbs}$.
99 H 0178
Net 14.95
99 H 6021 Replacement battery Net 21

## DELUXE SHURE AND EMPIRE STEREO TONE ARMS



Shure M232
SHURE PROFESSIOMAL MOOEL M232 TONE ARM. A quality 12" tone arm that ACCEPTS PRACTICALLY ALL CARTRIDGES and permits them to operate at their maximum potential performance. Features precision ball dearings at all pivot joints. pug in head with positlve alignment lock and variable height a djustment. Positive visual control over balance without alterlng overall arm length. Tracking force 0.8 grams. Comes wilh arm rest, mounting template, mounting hardware. Shpg, wt., 2 lbs. Model M232 12" Tone Arm
21 H 6251 L Net 29.95 Model M236 Same as Model M232, but for $16^{*}$ Records. Shpg. wt., $2 \frac{1}{2}$ lbs.
21 H 6252L $\$ 5$ Monthly
Net 31.95
Shure A23H Extra Plug In Head
21 H 6253 L Shpg. wt., 2 oz. Net 2.40 EMPIRE 980 ARM. Features free suspension and perfect dynamic balance in all planes. Maximum compliance, tracks at less than $1 / 2 \mathrm{gram}$. Fundamental resonance 8 cycles. Calibrated knob "diais" stylus force up to 8 grams, 5 -wire circult eliminates ground loops. 4 ft . shielded cable assembly plugs in. Satin gold finish. Overall length $12 \%{ }^{*}{ }^{*}$. Height adjustable 15/\%". Shpg. wt., 2 lbs.
$21 \mathrm{H} 3431 \mathrm{~L} \$ 5$ monthiy
Net 39.9S
LAFAYETTE OFFERS A COMPLETE SELECTION OF FAMDUS NAME STEREO CARTRIDGES AT LOW, LOW PRICES ON PAGES 111 AND 112.

STEREO PHONO PREAMP 995 A self powered stereo preamplifier for use with any stereo amplifier that does not have low level inputs for magnetic cartridge, tape head, or microphone, Response: $\pm 2 \mathrm{db} 30-20,000 \mathrm{cps}$. Galn (Phonograph): 40 db .5 mv input for 1 volt output. Gaín (Nicrophone): $60 \mathrm{db}, 1 \mathrm{mv}$ 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. Easily mounted on amplifier chassis. Power supply: $105-125$ VAC, $5 \mathrm{D} / 60 \mathrm{cps}, 8$ watts. Size: $53 / 8 \times 35 / 8 \mathrm{x}$ $41 / \mathrm{B}^{\prime \prime}$. Polished chrome chassis. Less 2 12AX7A tubes. Imported. Shpg. wt., $31 / 2$ lbs.
99 स 0139
Net 9.95
12AX7A Tube for above (2 required)
Net ea. 1.13

## (g) UPX O03C MONAURAL Only 195

 Self-powered preamp for use with GE or similar magnetic cartridges and low level mikes. Has 7025 tube in equalizing circuit, plus rectifier. Input jack, mike-phono switch $14^{\prime \prime}$ output lead with phono plug. 18 db bass boost a 50 cps on "Phono." Flat on "Mike." For 117 volts, 60 cycles AC. $35 / 8 \times 35 / 8 \times 3 y 4^{\prime \prime}$. Complete with tube. Shpg, wt., 2 lbs.21 H $3900 \ldots \ldots . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . ~ 11.95$


- Includes Specially Designed Low Mass Stereo Cartridge with Diamond Elliptical Stylus and Beautiful Walnut Wood Base
Deluxe professional 2 speed stereo turntable system features patented new stralght-line tracking arm, 10 lb , rim driven turntable, specially made low mass cartridge with ultra-high compliance, and walnut base. Whole turntable and arm mechanism floats on separate shock mounted cast aluminum sub-chassis. Positive cueing control sets stylus in desired groove eliminating need to handle lightweight arm. Maintalns tangency to groove radius within .05 degrees, Virtually no tracking error. Has smooth push button operation-ON, OFF, 33 RPM, 45 RPM, and hysteresis synchronous motor. Tracking pressure i gram or less. Compli. ance: $30 \times 10.6 \mathrm{~cm} /$ dyne. Elliptical diamond styius. Output: 6 mv . Rumble: -100 db . Base dimensions: $18 \mathrm{~W} \times 140 \times 642^{\prime \prime} \mathrm{H} .27 \mathrm{lbs}$. 21 H 5008wx $\$ 15$ monthly Handsome plastic dust cover for Model SLT-12. Shpg. wt. 1 lb. 21 H 5012 Wx


# Stereo-Mono and Cartridge-Styli Units 

## SONOTONE CERAMIC STEREO/MONO CARTRIDGES FEATURING SONO-FLEX "F" STYLUS

The new Sono-Flex "F" needle featured in the series 9TAF, 16TAF, 18T, 21 T and 24 T listed below is an accident-proof drop-proof needle. Can be flicked, knocked, twisted in a $360^{\circ}$ circle and it will spring back. Styli code for all below: $\mathrm{D}=$ Dlamond; $\mathrm{S}=$ Synthetic Sapphire.

## SERIES 21T

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 $5.5 \times 100^{\circ} \mathrm{cm} /$ dyne; channel separation 21 db ; tracking force 4.7 grams. With standard mounting bracket. Shpg. wi., 502.

| Stock No. | Mfg. No. | Styli | Net |
| :---: | :---: | :---: | :---: |
| 24 M 7950 | 21 T -S | S.7.53 | 4.90 |
| 24 H 7951 | 217-577 | S.7-5.7 | 4.90 |
| 24 H 7952 | 21T-SD | D.7.S3 | 6.98 |
| Replacement Styli for Above |  |  |  |
| 24 H 7941 | N21T-S | \$.7-53 | 1.88 |
| 24 M 7938 | N21T-S77 | \$.7-5. 7 | 1.88 |
| 24 H 7939 | N21T-SD | 0.7-53 | 2.64 |

SERIES 9TAF


Response $\pm 1 \mathrm{db} 20$. $17,000 \mathrm{cps}$, with rall off to 20,000 cps: output .35 volts; Compliance $5.5 \times 10^{-4}$ cm ./dyne. Separation 30 db ; tracking force $2-5 \mathrm{gms}$. Weight 3.2 gms . Turnover with dual styli. Shpg. wt., 6 oz .

| Stock No. | Mig. No. | Styli | Net |
| :---: | :---: | :---: | :---: |
| 24 H 7917 | 9TAF-S | S.7.53 | 6.67 |
| 24 H 7918 | 9TAF-S77 | S.7.5. 7 | 6.67 |
| 24 H 7919 | 9TAF-SD | 0.7.53 | 8.74 |
| 24 H 7920 | 9TAF-D77 | D.7-D. 7 | 9.50 |

SERIES 16TAF and 18T CERAMIC STEREO/MONO CARTRIDGE

Response $\pm 1 \mathrm{db} 20.10$. 000 cps , with roll off to 12,000 cDS; output .63 volf; Compliance 2.4 $\times 10^{-6} \mathrm{~cm} /$ dyne. Separation 22 db ; Tracking force 5.7 grams. wt. 2.75 grams. Tumover with dual styll. Shpg. wt., 6 oz .

| Stock No. | Mf:. No. | Styll | Net |
| :--- | :--- | ---: | ---: |
| 24 H 7921 | 16TAF-S | S.7-S3 | 4.90 |
| 24 M 7922 | 16TAF.S77 | S.7-S.7 | 4.90 |
| 24 H 7923 | 16TAF.SD | 0.7 .53 | 6.98 |

Series 18T-same speclfications as above except output is 1.0 volts.

| Stock No. | Mfr. No. | Styll | Net |
| :--- | :--- | :--- | ---: |
| 24 H 7924 | 18TAS | S.7.S3 | 4.52 |
| 24 H 7925 | 18TA.S77 | S.7.S.7 | 4.52 |
| 24 H 7926 | 18TA.SO | $0.7-S 3$ | 6.60 |



## SERIES 24T CERAMIC CARTRIDGES FOR TRANSISTOR AMPLIFIERS

Rugged stereo cartridge specially made for use with transistorized amplifiers. Supplied with standard mounting bracket for easy Installation. Response is smooth over entire audio hearing range. Output .25 volts. Compliance $4 \times 10^{\circ} \mathrm{CM} /$ Dyne, Separation 21 db .
Tracking Force 4 to 7 grams. Capacitance 4500 PF. Shpg. wt. 6 oz

| Stock No. | Mfg. No. | Styll | Net |
| :--- | :--- | :--- | :--- |
| 24 H 7942 | 24 TS | S.7.S3 | 6.30 |
| 24 H 7943 | 24 TS77 | S.7.S.7 | 6.30 |
| 24 H 7940 | $24 T S D$ | 0.7 .53 | 8.37 |

REPLACEMENT STYLI FOR ABOVE

| 24 H 7941 | N21T-S | S.7-S3 | 1.88 |
| :--- | :--- | :--- | :--- |
| 24 H 7938 | N21T-S77 | S.7-S.7 | 1.88 |
| 24 H 7939 | N21T-SD | $0.7 . S 3$ | 2.64 |

## SERIES 10T2 UNITIZED

 CERAMIC STEREO/MONO CARTRIDGEThis fully compatible ceramic combination cartridge-styll with turnover mount can be installed in practically any tone arm in a few minutes. Terminal soldering has been ellminated by a unique plug socket design. Covers the complete hirh fidelity range $20.15,000$ cycles flat RIAA. 0.5 V output, $6-8 \mathrm{gms}$. tracking force. Shpg. wt., 6 oz .

| Stock No. | Mlg. No. | Styll | Net |
| :--- | :--- | :---: | ---: |
| 24 H 7534 | 10T2.S | S.7.S3 | 5.24 |
| 24 H 7935 | 1012SD | $0.7 \cdot S 3$ | 7.32 |
| 24 H 7936 | $1072 . S 77$ | S.7.S.7 | 5.24 |
| 24 H 7937 | 1072. SD 77 | $0.7-S .7$ | 7.32 |

## SERIES BTA CERAMIC STEREO- <br> MONO <br> CARTRIDGE

Serles 8TA incorporate rumble suppression and have standard $1 / 2^{\prime \prime}$ mounting centers. Response is $20-15,000 \mathrm{cps}$ with gradual rolloff to $20,000 \mathrm{cps}$; output is 0.3 volts; compliance is $3 \times 10^{-6} \mathrm{~cm} /$ dyne for each channel. Separation is 20 db ; tracking force is 3.6 gm .: weight $71 / 2 \mathrm{gms}$. All models are turnover types with .7 mil and 3 mil styll for all mono and stereo records except has two .7 mll for LP and stereo. Avg. shpg. wt., 402.

SONOTONE STEREO CARTRIOGES

| 24 H 7907 | 8TA.4S | S.7.S3 | 6.60 |
| :--- | :--- | :--- | :--- |
| 24 H 7908 | 8TA.4SD | D.7.S3 | 8.68 |
| 24 H 7909 | 8TA-4S77 | S.7.S. 7 | 6.60 |

## Replacement Styli

Styll code; $D=$ Diamond, $S=$ Synthetic Sapphire. "=sonoflex "F" Stylus.

| Stoch No . | For Cartridge |  | Net |
| :---: | :---: | :---: | :---: |
| 24 H 7927* | 9T, 9TA, 16T, 16TA | \$.7.53 | 2.08 |
| 24 H 7928* | 97, 9TA, 16T, 16TA | S.7-5. 7 | 2.08 |
| 24 H 7929* | 9T, 9TA, 16T. 16TA | 0.7-53 | 2.83 |
| 24 H 7930** | 97. 9TA. 16T, 16TA | D.7-0.7 | 3.58 |
| 24 H 7931 | 18 T Series | \$.7.53 | 1.88 |
| 24 H 7932 | 18 T Series | \$.7.5. 7 | 1.88 |
| 24 H 7933 | 187 Series | 0.7-53 | 2.64 |
| 24 H 7912 | N-8TA | S.7-53 | 1.88 |
| 24 H 7913 | N-8TA | D.7-53 | 2.64 |
| 24 H 7914 | N-8TA | \$.7.57 | 1.88 |



## 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., 602.
Replacement for Astatic 137X, Electrovoice 130 , and Jensen A-44XSD. Has diamond .7 mil and synthetic sapphire 3 mil styli. 24 H 3703

Net 3.95
Replacement for Astatic 13T, Electrovoice 13. and Jensen A-44X. Same as above but both tios synthetic sapphire.
24 H 3702
Net 2.95
Replacement for Astatic 81T, Electrovoice 81, and Jensen A-41. Has 1 mil and 3 mil styli-both synthetic sapphire.
24 H 3701
Net 1.73

## ELECTRO-VOICE FEATHERIDE WIDE-RANGE CERAMIC

## - Absolutely Scratch Proof

 - Plays Stereo or MonauralProtect 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.fl quality and will fit all standard arms with $\%_{0}{ }^{\circ \prime}$ or $1 / 2^{\prime \prime}$ mig. centers. Excellent separation and low distortion. Equipped with .7 mil diamond and 3 mll synthetic sapphire styli. Shpg. wt., 5 oz .
TYPE 1490F Tracking pressure 2.4 grams. 24 H 3016

Net 10.50 TYPE 150 DF Tracking pressure 4.6 grams. 24 H 3017 ....................................... Net 10.50

BSR SPINDLES

Fig. A


Fig. $\mathbf{C}$


For automatic operation of a stack of 45 R.P.M. records on BSR Changers. Shpg. wt. 601.

Fig. A. For use with BSR Model UA-15
24 H 4005
Net 1.65
Fig. B. For use with BSR Models UA-12, UA-14, UA-16, UA-24.
24 H 4006
Net 1.65
Fig. C. Flat spindle for use with UA-15SS. UA-25, UA-40.
24 H 0220 Net 1.49
Fig. C. For use with Minl-Changer UA-50.
24 H 0256 ...................................... Net 1.49
Fig. C. For use with McDonald 500.
24 H 4008
Net 1.95


## LAFAYETTE SPINDLES

For automatic 45 RPM operation. Shpg. wt., 6 oz.
21 H 0202 For Lafayette Model 200 Net .99 For Lafayette Models 400 , AC-10. AC-33. 21 H 0105

# Popular Replacement Cartridges 

## REPLACEMENT CARTRIDGES FOR VACO and RONNETTE



Replacements for thousands of changers and players both imported and domestic. All types equipped with synthetic sapphire styli and turnover mechanism. im ported. Shpg. wt., 602 .

Stereo/monaural with .7 mil and 3 mil styli, mtg . bracket and knob. Output , 7 volts. Re: places VACO ST-2. ST 2 X , 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 H 1016

## REPLACEMENT STYLI

99 H 1017.7 mil for stereo ............ 69 99 H 10183 mil for 78
Diamond .7 mil for stereo

## 24 H 0158

Net . 69

Stereo/monaural Same as above but output is 2 volts. Replaces VACO ST4, STAX, ST40, ST40X, ST200. ST200X and Ronnette 106 series, 208 series, Astatic 76TSB, 70TS and E.V. 96 and 98.
24 H 7910
Net 2.84

## BSR STEREO AND MONAURAL TURNOVER CARTRIDGES



The BSR TC8S/SXIH stereo and TC8H/X1HE output monaural cartridges are designed for quality performance. Both are tumover types. STEREO CARTRIDGE: sensitivity. $250 \mathrm{mv} /$ $\mathrm{cm} / \mathrm{sec}$; compliance, $1.4 \times 10-\mathrm{o}^{\circ} \mathrm{cm} /$ dyne; 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 $500 \mathrm{mv} /$ $\mathrm{cm} / \mathrm{sec}$; compllance, $8 \times 10.0 \mathrm{~cm} /$ 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 styil, mtg. bracket. 24 H 4001

STEREO/MONAURAL (FIg. I) Replaces BSR. TC8S, TC8SM and SXIH, With .7 and 3 mil styli, mtg, bracket. 24 H 4002

Net 2.15

## MAGNAVOX CARTRIDGES



Genuine Magnavox cartridges for exact replacement. Each corrplete with two styli; a dlamond and a synthetic sapphire. Shpg.

| Wt., 1202. |  |  |  |
| :--- | :---: | :---: | :---: |
| STOCKNO. | MAF. NO. | FIf. | Net |
| 24 H 3310 | $560158-2$ | C | 12.96 |
| 24 H 3311 | $560169-1$ | 0 | 11.83 |

## MONAURAL PHONO CARTRIDGES

### 3.5 VOLT OUTPUT



Migh quality high output cartridges for direct replacement of all standard cartridges such as L70. L82, L92, W60B, N10, and many others. Pin plug connectors for all 78 r.p.m. Imported. Shpg. wt., 1202.
99 H 1003 ..................................... Net 1.29

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 com. pliance.

## 24 H 4003

Net 2.15
Monaural with 1 mil and 3 mil styli, mtg. bracket and knob. Output: $2-3$ volts, Replaces VACO types $145, \mathrm{TO45}, \mathrm{TO45X}$. Ronnette types 15, 18, 21. 24, 7825, DC395. DC395S, DC 400 , DC-400-222. OC-400-222S, DC 500. TO-284 serles, T0285T, T0287 series, TO-395 series, TO-400.200, TO-400-222; Astatic 420, 120 and E.V. 80, 88. 99 H 1022

Net 1.20
Monaural. Same as above but to replace Ronnette cartridges with wider frequency response and lower output. Output: . 7 volt. 99 H 1021 ............. Net 1.20

## RCA CARTRIDGES



Genuine RCA exact replacement cartridges complete with indicated styil. Fig. E with 1 Mil stylus for mono LP records. Fig. F is turnover type with 1 mil and 3 mil styll for LP mono and 78 records. Shpg. wt., 1202.
 24 H 7213 年 $77779^{3.11}$

REPLACEMENT CARTRIDGES FOR RCA


- Replacement for cartridges in many thousands of RC@45 and many LP record chang. ers - 1 mil Synthetic Sapphire Stylus - 2.3 volt output - High Impedance Crystal
 ing 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 H 1008

Net 1.25
Synthetic Sapphire replacement stylus for above.
24 H 0205
Net 69

## SONOTONE 2TA-S CERAMIC CARTRIDGES



This high fidelity turnover cartridge is equipped with oual 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 serles, 9980 series which were used in thousands of record changers and players. Frequency response: 20-20,000 cps flat to $12,000 \mathrm{cDs}$; output 1 -volt; compliance $2.0 \times 10^{\prime \prime} \mathrm{cm} / \mathrm{d}$ vne: tracking force 6 grams. Ceramic element highly immune to heat and humidity.
24 H 7911
Net 3.59

## GENERAL ELECTRIC MODELS C100A and C200 Stereo Ceramic CARTRIDGES



C100A
C200
MODEL CLOOA - A quality stereo ceramic replacement cartridge for thousands of phonographs and changers in use today. Freq. response 20 thru 12,000 cycles, output 450 millivolts. Channel balance at 1000 cycles: 3 db or better. Tracking force 5-6 grams. Exclusive captivator clip which prevents accidental displacement of stylus. Dim. $.595^{\prime}$ Wx. $490^{\prime} \mathrm{H} \times 1.305^{\prime \prime} \mathrm{L}$. With .0007 dia. and .003 synthetic sapphire stylus. 21 H 3846 L Shpg. wt., 6 oz. ........ Net 8.07 MODEL C200-Essentially same as Model C100A except frequency response 20 thru 17,000 cycles, output 300 millivolts. Dimensions: $.550^{\circ} \mathrm{W} \times .485^{\prime \prime} \mathrm{H} \times 1.275^{\prime \prime} \mathrm{L}$. With .0007 dia. and .003 synthetic sapphire stylus.
21 H 384 L
Net 8.07
TA- 2 Replacement stylus for C100A and C200-.0007" dia. and $.003^{\circ}$ synthetic sapphire.
21 H $3848 \mathrm{~L} \quad$ Net 4.17

## G.E. MONAURAL <br> SERIES VRII VARIABLE RELUCTANCE CARTRIDGES



TRIPLE.PLAY
SINGLE.PLAY Will fit wherever old RPX cartridges were used. All require the use of a preamplifter, Frequency response: $\mathbf{2 0 - 2 0 , 0 0 0}$ cps; Track. ing Pressure-(with tone arms) 4 grams; -(with record changers) $6-8$ grams: mount-Ing-either $1 / 2^{\prime \prime}$ standard or Ka" Terminals: Plug-in design. Independently replaceable Clip-In-Tip styil. Mu-Metal shielding and spe. clal anti-hum colls.
"TRIPLE-PLAY" CARTRIOGES - Convenient dual stylus - a twist of the knob brings either microgroove (LP or 45 rpm ) or stand. ard 78 rpm styll 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 styli, Ssynthetic sapphire styli.
stock No. GE Type Stylus Net $21 \mathrm{H} 3809 \mathrm{GG}-050 \quad 1 \& 3 \mathrm{mil} \mathrm{S} \quad 7.77$ $21 \mathrm{H} 3810 \quad 4 \mathrm{G}-0521 \mathrm{mil} \mathrm{D}, 3 \mathrm{mil} \mathrm{S} \quad 10.17$ 21 H 3811 4G-053 $1 \& 3 \mathrm{mil} 0$
11.97
"SINGLE.PLAY" CARTRIDGES - Single-stylus cartridges $1 \mathrm{mil}\left(.001^{\circ}\right)$ microgroove and 3 mil (.003") standard 78 rpm types. D-diamond styli, S-synthetic sapphire styli. Shpg. wt., 602.

| Stock Mo. | GE Type | Strius | Net |
| :---: | :---: | :---: | :---: |
| 21 H 3812 | 4G-040 | 3 mils | 5.97 |
| 21 H 3813 | 4G-041 | 1 mils | 5.97 |
| 21 H 3815 | 4G-063 | 3 mil 0 | 8.37 |
| 21 H 3816 | 4G-061 | 1 mll 0 | 8.37 |

21 H 3816 4G-061 1 mil O $\quad 8.37$
G.E. REPLACEMENT STYLI

Replacement for individual stylus tips on GE cartridges. All are for VRII series except RPJ-010. D-diamond stylus, S-synthetic sapphire stylus.

| Stock No. | GE Type | Styius | Net |
| :--- | :--- | :--- | :--- |
| 21 H 3818 | $4 \mathrm{G}-01 \mathrm{~S}$ | 1 mil S | 1.60 |
| 21 H 3819 | $4 \mathrm{G}-02 \mathrm{~S}$ | 2.5 mil S | 1.60 |
| 21 H 3820 | $4 \mathrm{G}-03 \mathrm{~S}$ | 3 mil S | 1.60 |
| 21 H 3821 | $4 \mathrm{G}-010$ | 1 milO | 4.17 |
| 21 H 3822 | $4 \mathrm{G}-020$ | 2.5 mil 0 | 4.17 |
| 21 H 3823 | $4 \mathrm{G}-030$ | 3 mil D | 4.17 |
| 21 H 3831 | RPJ-010 | 1 mil D | 4.17 |

# Electro-Voice and Astatic Cartridges 

# EXACT DUPLICATE PLUG.IN CARTRIDGESTYLI COMBINATIONS 

|  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Exact duplicate replacements with styii. STYLI CODE: D Diamond, $S$ 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 either Electrovoice, Astatic or cartridge of original manufacturer. Color given to assist identifying original part sometimes is a color dot. Avg, shpg. wt, $6 \mathbf{0 z}$. |  |  |  |  |  |  |  |
| FOR RCA |  |  |  |  |  |  |  |
| Stock No. |  | Fig. | RCA No. Ast. | No. E.V | V. No. | Styli | Net |
| $\begin{array}{lll} \hline 24 & \text { H } 5020 \\ 24 & H & 5021 \\ 24 & H 022 \end{array}$ |  | A A A | $\begin{aligned} & 105836,37 \\ & 105836,37 \\ & 108555 \end{aligned}$ | $\begin{aligned} & 3.1 \\ & 3.1 \\ & 9.1 x \end{aligned}$ | $\begin{aligned} & 83 \\ & 830 \end{aligned}$ | $\begin{aligned} & S .1 \\ & 0.1 \\ & s .1 \end{aligned}$ | $\begin{aligned} & 2.10 \\ & 3.90 \\ & 2.55 \end{aligned}$ |
| FOR WEBCOR |  |  |  |  |  |  |  |
| Stock No. | Fig. | g. Web. No | o. Color Ast. N | o. E.V. | No. | Styil | Net |
| $\begin{aligned} & \hline 24 \text { H } 5023 \\ & 24 \text { H } 5024 \end{aligned}$ | $\begin{aligned} & A \\ & A \end{aligned}$ | $\begin{array}{ll} \text { A } & \text { A1919 } \\ \text { A A1920 } \\ \hline \end{array}$ | White 917  <br> Pink $91 T$ | $\begin{array}{ll} 16 \\ \times \quad 760 \\ \hline \end{array}$ |  | $\begin{aligned} & 1,5-3 \\ & 1,0-3 \end{aligned}$ | $\begin{aligned} & 2.37 \\ & 4.17 \end{aligned}$ |
| FOR 2ENITH |  |  |  |  |  |  |  |
| Stock No. | Fig. | (2enith No | vo. Color | Ast.No. | E.V.N | Styll | Net |
| 24 H 5025 | B | \$11473 | Red | 97.3 | 114 | S3 | 2.10 |
| $24 H 5126$ | ${ }^{8}$ | \$15222 | Green | 97.1 | 113 | \$1 | 2.10 |
| 24 H 5027 | B | S15780 | Red \& Green | 97.2 | 112 | \$2 | 2.10 |
| 24 H 5028 | B | \$21458 | Gold | 97-10 | 1130 | 01 | 3.90 |
| 24 H 5029 | c | 142.71 | Blue | 99.1 | 109 | \$1 | 3.00 |
| 24 H 5030 | c | 142.72 | Yellow | 99-2 | 110 | S2 | 3.00 |
| 24 H 5031 | c | 142.74 | Black \& White | 99.10 | 1090 | D1 | 4.80 |
| $24 \mathrm{H} 503\}$ |  | 142.76 | Gray | 1010 | 1110 | D1, D3 | 6.30 |
| 24 H 5033 | D | 142.77 | Brown | 101 | 111 | \$1. $\mathrm{S}^{3}$ | 4.50 |
| 24 H 5005 | A | 142-80 | Blue | 935 | 56 | S1, 33 | 2.37 |
| 24 H 5006 | A | 142.83 | Orange | 93 TX | 560 | D1, 53 | 4.17 |
| 24 H 5036 | A | 142.87 | Purple | 95 | 116 | \$1, 53 | 2.37 |
| 24 H 5014 | A | 142.90 | Red | $93 \mathrm{~T}-1$ | 51 | \$1, s3 | 2.37 |
| 24H5739 |  | 142.103 | Green | 13 AT |  | 57, 53 | 4.77 |
| 24 H 5019 | E | 142.106 | Green | 13ATX |  | 07. ${ }^{\text {3 }}$ | 8.37 |
| 24 H 5040 | F | 142-108 | Blue | 111 | 106 | 57, s3 | 3.57 |
| 24 H5041 | F | 142.109 | Blue 8 Gold | 1110 | 1060 | 07. 53 | 5.37 |
| 24 H 5042 |  | 142.119 | Dark Green | 137 | 13 | 57. 53 | 3.57 |
| 24 H 5001 | G | $142 \cdot 120$ | Dark Green | 13TX | 130 | 07, 53 | 5.37 |

## GENERAL REPLACEMENT PLUG-IN CARTRIDGES



H
Combination cartridge with dual needle assembly. Slips right into old mount. Style code: D diamond, S synthetic sapphire, 1 is 1 mil point for monaural LP; 2 is 2 mil for mono LP and 78 RPM; 3 Is 3 mil for $78 \mathrm{RPM} ; 7$ is .7 mil for stereo. We will ship elther Electrovoice or Astatic. Shps. wt., 302.

## MONAURAL TYPES

Output 1 volt, $20-12,000 \mathrm{cps}$. Trach force $5-8$ grams

| Stock No. | Fig. | Color | E.V. No. | Ast. No. | Styll | Net |
| :--- | ---: | :--- | :---: | :---: | :---: | ---: |
| 24 H 5014 | H | Red | 51 | $931-1$ | S1, S3 | 2.37 |
| 24 | H 5005 | H | Blue | 56 | $93 T$ | $\$ 1, \$ 3$ |
| 24 | 2.37 |  |  |  |  |  |

## STEREO-MONAURAL TYPES

Output . 5 volt. $20 \cdot 16,000$ cDS, tracking force 5.8 grams.

| 24 H 5007 | $J$ | Red-Silver | 81 | 103 | $S 7, \$ 7$ | 3.57 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $24 H 5009$ | $J$ | Blue-Silver | 66 | 105 | $S 7, S 3$ | 3.57 |
| $24 H 3018$ | $K$ | Black | 104 |  | $\$ 7, \$ 3$ | 5.82 |
| $24 H 5133$ | $L$ | Brown-White | 108 | 115 | $\$ 7, S 3$ | 3.57 |
| 24 H 5134 | L | Brown-White | 1080 | 1150 | $07, \$ 3$ | 5.37 |

## MOUNTS FOR ABOVE

For use when converting from different type cartridge

| 24 H 3001 | for types 51, 52, 53, 93T-1, 93T-2, 93T-3 | 60 |
| :---: | :---: | :---: |
| 24 H 3002 | for types 56, 55D, 93T, 93TX | . 60 |
| 24 H 3003 | for types 61, 61D, 103, 1030 | . 60 |
| 24 H 3004 | for types 66, 660, 105, 1050 | 0 |

Play elther stereo or monaural. 4 terminals, channel separation: 20 db response $20 \cdot 15,000 \mathrm{cps}$ except * is 25 db and $30 \cdot 20,000$ cps. RIAA equalized. Output $0.5 V_{1}$ 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., $6 \mathbf{0 2}$.

| STOCK NO. | AST. NO. | E.V. NO. | MOUNT | NET |
| :---: | :---: | :---: | :---: | :---: |
| 24 H 5011 | 11778 | 118 | With | 4.77 |
| 24 H 5012 | 117 | 11 | Less | 3.57 |
| 24 H 5013 | 13TB | 138 | With | 4.77 |
| 24 H 5042 | 13 T | 13 | Less | 3.57 |
| 24 H 5016 | 13 TBX | 130B | With | 7.17 |
| 24 H 5001 | 13TX | 13 D | Less | 5.37 |
| 24 H 5039 | 13AT** |  | Less | 4.17 |
| 24 H 5019 | 13ATX* | - | Less | 8.37 |



WIDE RANGE AND HI-FI PLUG-IN MONAURAL CARTRIDGES
All are turnover type ceramic cartridges with dual 1 mll and 3 mil styll. Styli code same as all other cartridges on page. We wIII ship either Astatic or Electrovoice. Shpg. wt., 602.

WIOE RANGE TYPES
Replaces Sonotone 2T, Shure PC-2, 4 serles and many others.

| STOCKNO. | AST. NO. | E.V. NO. | STYLI | MOUNT | NET |
| :--- | :---: | :---: | :---: | :---: | :---: | ---: |
| 24 H 5044 | 81 TB | 818 | S7, S3 | With | 2.97 |
| 24 H 5002 | 811 | 81 | $\$ 7, \$ 3$ | Less | 2.37 |
| 24 H 5046 | 81 TBX | 8108 | D7, $\$ 3$ | With | 5.37 |
| 24 H 5047 | $81 T X$ | 810 | D7, S3 | Less | 4.17 |

HIGH FIOELITY TYPES
Replaces Sonotone $3 T$ series, Shure PC-6, etc.

| STOCK NO. | AST. N0. | E.V. NO. | STYLI | MOUNT | NET |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 H 5048 | $897 \overline{1}$ | 898 | S7, 53 | With | 3.57 |
| 24 H 5049 | 897 | 89 | S7, 53 | Less | 2.97 |
| 24 H 5050 | 897BX | 8908 | D7, 53 | With | 7.17 |
| 24 H 5051 | 897X | 89D | D7, 33 | Less | 4.17 |

## ASTATIC STEREO MONAURAL CARTRIDGES

All crystal turnover cartridges except * which are ceramic furnover. All are equipped with .7 mll and 3 mil synthetic sapphlre styli except $\dagger$ has .7 mil diamond and 3 mil synthe tic sapphire styll to play stereo. LP and std. 78 RPM. Shpg. wt., 602.

|  | Stock No. | Fig. | Mfr. No. | Output | Net |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

ASTATIC REPLACEMENTS FOR

## Astatic and Electro-Voice Cartridges



All are equipped with dual synthetic sapphire styli; 1 mil (L.P) and 3 mil (std 78). Average shpg. wt., 602.

| Stock No. | 15 No No. | E.V. No. | Fig. | HET | Stock No. | AST No. | E.V. No. | Fig. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 H 5065 | 40 T | 24 | AA | 4.17 | 24 H 5078 | 3107 | 62 | U | 3.27 |
| 24 H 5066 | 40 TB | 25 | B | 5.07 | 24 H 5079 | 310 TS | 63 | $\checkmark$ | 3.27 |
| 24 H 5057 | 417 | 28 | AA | 5.70 | 24 H 5081 | 312 TS | 67 | $v$ | 3.87 |
| 24 H 5068 | 4158 | 29 | 8 | 6.00 | 24 H 5082 | 314 TS | 68 | $\checkmark$ | 3.27 |
| 24 H 5069 | 55 T | - | PP | 4.77 | 24 H 5083 | 405 | 49 | $J$ | 4.77 |
| 24 H 5070 | 57 | - | PP | 5.70 | 24 H 5084 | 406 | 134 | RR | 4.77 |
| 24 H 5071 | $62 T Y$ | 43 | 1 | 4.77 | 24 H 3019 | - | 136 | K | 4.50 |
| 24 H 5072 | 64 TS | 84 | R | 3.90 | 24 H 5085 | 410 | 75 | 0 | 3.90 |
| 24 H 5073 | G6TS | 48 | RR | 4.77 | 24 H 5085 | 420 | 80 | 88 | 3.27 |
| 24 H 5074 | $66 T Y$ |  | J | 3.90 | 24 H 5087 | 422 | 82 | 88 | 3.57 |
| 24 H 5075 | 118 | 91 | $V$ | 3.87 | 24 H 3020 | 445 | 38 |  | 3.39 |
| 24 H 5077 | 124 | 87 | $\checkmark$ | 3.87 | 24 H 5076 | 120 |  | V | 3.87 |

## STANDARD GROOVE TYPES

Single needte type for STD (78) only. Type marked has synthetic sapphire 3 mil stylus, others less needte. Shp. wt. 6 oz.

| Stock No. | AST No. | E.V. No. | Fig. | NET | Stock No. | AST No. | E.V. No. | $F \mathrm{~F}$. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 H 5089 | 2 | - | C | 5.40 | 24 H 5092 | 24 | 12 | G | 2.97 |
| 24 H 5090 | 12 | 15 | F | 2.67 | 24 H 5093 | 26 | 19 | G | 2.97 |
| 24 H 5091 | 12 U | 16 | F | 2.97 | 24 H 5094 | $66.3{ }^{\circ}$ | 46 | H | 2.97 |



ALL GROOVE TYPES
All equipped with single 2 mil synthetic sapphire styli for all speeds except - Is osmium tip and $t$ is less needie. Shpg, wt., 6 oz.

| Stock No. | AST No. | E.v. No. | Fig. | NE1 | Stock No. | AST No. | E.V. No. | Fig. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 H 5105 | $16 \dagger$ | 17 | H | 2.37 | 24 H 5110 | 66.2 | 45 | H | 2.97 |
| 24 H 5139 | 18 | 18 | M | 1.95 | 24 H 5111 | $106 \dagger$ | 50 | 5 | 2.97 |
| 24 H 5106 | $22 \uparrow$ | - | H | 2.37 | 24 H 5112 | $310 \cdot 2$ | 59 | T | 2.97 |
| 24 H 5107 | $28 \dagger$ | 105 | N | 2.37 | 24 H 5113 | $407{ }^{\circ}$ | 73 | $r$ | 2.67 |
| 24 H 5108 | 40.2 | 23 | A | 3.90 | 24 H 5114 | 414.2 | 78 | U | 2.67 |
| 24 H 5109 | 51.2 | - | 0 | 4.44 | 24 H 5115 | 416-2 | 79 | U | 3.27 |

## ASTATIC REPLACEMENT FOR MAGNAVOX

Replacement cartridge for many popular Magnavox cartridges.
Complete with mounting hardware and dual synthefic sapphire styli except the LP needle in types ending in O are diamond. + indicates stereo cartridge. Shpg. wt., 6 oz.

| Stoch No. | $\begin{aligned} & \text { Mfr. } \\ & \text { No. } \end{aligned}$ | Fig. | Replaces Magnavor No. | NET |
| :---: | :---: | :---: | :---: | :---: |
| 24 H 5116 | 463 | 1 | 560216-1-2, 560217-2, 56218-1-2 | 6.30 |
| 24 H 5117 | 4630 | 1 | 560219-2, 560228-1-2, 560229-2 | 8.70 |
| 24 H 5118 | $461+$ | 2 | 560281-1-4, 560296-3-7 | 6.30 |
| 24 H 5119 | $4610{ }^{\text {¢ }}$ | 2 | 560290-1-3* | 8.70 |
| 24 H 5120 | $459 \dagger$ | 3 | 56029-1-2, 560275-1-2 | 6.30 |
| 24 H 5121 | $4590 \dagger$ | 3 | 560290-1.3* | 8.70 |
| 24 H 5140 | 16301 | 4 | 560350-1 | 8.70 |
| 24 H 5141 | 1650 f | 4 | 560355-1 | 7.50 |

EV. SERIES 20 HIFI STEREO-MONOPHONIC CARTRIDGES


HI.F Ceramic cartridges. Excluslve design ellminates tumtable rumble, 21 serles are single needle types with .7 mll styll to play stereo and LP monaural. 26 serles are turnover types with .7 mil and .3 mil styll to play stereo and all monaural records. Types with * match magnetic phono input. TIP CODE $S=$ SYNTHETIC SAPPHIRE. $0=$ OIA. MOND. freq. $20 \cdot 16,000$ cycles $\pm 21 / 2$ O8 with 3 meg input load. Tracking force 6 grams; output .5 volt, separation 20 db ; vert. rumble rejection 15 db ; distortion below $3 \%$. Standard $1 / 1$ to $1 / 2^{\prime \prime}$ mig. centers. Shpg, wt. 3 oz.

| Stock No. | $\begin{aligned} & \text { E.V. } \\ & \text { No. } \end{aligned}$ | Styli | \% ${ }^{\text {a }}$ ET |
| :---: | :---: | :---: | :---: |
| 24 H 3005 | 21 | S. 7 | 5.70 |
| 24 H 3006 | 22* | S-. 7 | 7.50 |
| 24 H 3007 | 210 | 0. 7 | 9.00 |
| 24 H 3008 | 220* | 0.7 | 10.80 |
| 24 H 3009 | 26 | S.7. S-3 | 6.30 |
| 24 H 3010 | 27* | S-.7, 5-3 | 8.10 |
| 24 H 3011 | 260 | 0-7. S-3 | 9.90 |
| 24 H 3012 | 270* | 0.7. S-3 | 11.70 |

## E.V. REPLACEMENT NEEDLES

For series 21. 26 and 27 cartridges

| Stock <br> No. | E.V. <br> NO. |  |  | Tlp |
| :---: | :---: | :---: | :---: | :---: |

## N5 REPLACEMENTS

All equipped with dual 7 mil and 3 mil styli. Types with * have diamond .7 mil and synthetic sapphire 3 mil; others both tips synthetic sapphire. Serles 475 in phase; series 477 out of phase. Series 487 fupther action. We will ship either E.V. or Astatic. Shpg. Wt., 602 . Type 320 is fig. B, others fig. A. Shpg. wt. 6 oz.


All with dual .7 mil and 3 mil synthetic sapphire styli except * have dlamond .7 mil. Shpg., wt. 6 oz .

| Stock No. | Fig. | Astatic No. | Replaces | NET |
| :---: | :---: | :---: | :---: | :---: |
| 24 H 5131 | A | 140 | VM 31615A | 4.50 |
| 24 H 5132* | A | 1400 | VM 316158 | 7.50 |
| 24 H 5129* | B | 153RD | VM 274930 | 10.50 |
| 24 H 5130 | B | 153R | Euphonics UIOR Euphonics | 8.10 |
| 24 H 5129* | B | 153RD | U11R | 10.50 |
| 24 H 5129* | B | 153RD | Airline 60.93 | 10.50 |
| 24 H 5129* | 8 |  | Admiral 409C65 | 50 |
|  |  |  | Motor |  |
| 24 H 5129* | 8 | 153RD | 59662266AO1 | 10.50 |
| 24 H 5130 | 8 | 153R | West $67 \mathrm{~V} 023 \mathrm{H02}$ | 8.10 |
|  |  |  | West |  |
| 24 H $5129^{*}$ | 8 | 153RD | 671 V 024 HOL | 10.50 |

## LAFAYETTE Diamond and Sapphire Styli

MADE FOR LAFAYETTE BY THE FOREMOST AMERICAN MANUFACTURERS


KEY TO POINT CODES HOW TO ORDER
The symbols in the column headed "PT SIzE" are explained in the table below.
$L P=$ SINGLE 1 MIL DIAMOND MICROGROOVE FOR $331 / 3$ AND 45 RPM
$A G=$ SINGLE 2 MIL OIAMOND ALL GROOVE FOR ALL SPEEDS
ST = SINGLE 3 MIL DIAMONO STANOARO FOR 78 RPM COMB = DUAL 1 MIL DIAMOND AND 3 MIL SYNTHETIC SAPPHIRE
fdentify your needle by cartridge number and lllustration and order by slock no. Note that all needles listed here are for monaural cartridges.

LAFAYETTE DIAMOND STYLI ARE MADE FROM WHOLE DIAMONDS, PRECISION GROUND AND POLISHED. SAPPHIRE STYLI ARE FINEST SYNTHETIC.

## 1 year guarantee

Full 1 year replacement guarantee against defects in workmanship and material on all diamond styli.

## MONAURAL DIAMOND and DIAMOND-SAPPHIRE



FOR ELECTRO-VOICE CARTRIDGES
24 HO116 LP $\quad 2\left\{\begin{array}{l}14,20,22,34,44, \\ 46,47,74,82, \\ 82 S M, 820 \mathrm{M}, 84, \\ 845 \mathrm{M}, 840 \mathrm{M}, 85 \mathrm{D}, \\ 85 \mathrm{MM}, 865,86 \mathrm{M}, \\ 86 \mathrm{DM}, 96 \mathrm{~T}\end{array}\right.$
FOR GENERAL ELECTRIC CARTRIDGES

FOR GENERAL ELECTRIC CARTRIDGES
24 H D134 LP 32 APX-040, -041, -042, $-046, .061,-063$
RPX-040A, -047, $-047 \mathrm{~A},-050,-050 \mathrm{~A}$, -051, -051A, -052A, -053A. -061A, -063A, -145 -146, -147
(VR-11 Series, 4G-050, 4G-052, 4G-053, 4G-040, 4G.041. 4G-061, 4G-063
FOR GOLDRING CARTRIDGE 24 H 0138 LP 36 500SS, 50000. 500SO FOR MAGNAVOX CARTRIDGES

24 H 0139 Comb.
37 560133, 560180. 560133,560151 .
24 H 0179 LP $\quad 54 \quad 560176,560180$ $24 \mathrm{H} 0118 \mathrm{Comb} . \quad 6 \quad 560177,560188 \mathrm{~m}$ series
560161


FOR SHURE CARTRIDGES

| 24 H0118 |  | $\left\{\begin{array}{l} \text { WC10, wC100, PC2 } \\ \text { series, PC3 series, } \\ \text { PC4 series, PC5 } \\ \text { series } \\ \text { ML44 series } \end{array}\right.$ |
| :---: | :---: | :---: |
|  | Comb. |  |
|  |  | $\left(\begin{array}{l} \text { P. } 72, \text { P. } 73, P-73 R, \\ \text { P. } 75, \text { P76, P. } 77 \end{array}\right.$ |
| 24 H 0115 | LP | $\left\{\begin{array}{l} \text { P-80, W-21, } \\ \text { W-21AR. } W .22 A, \\ \text { WC.24, WC-25, } \\ \text { series } \end{array}\right.$ |
| FOR SO |  |  |
|  |  |  |
| 24 H 0146 | Comb. 51 |  |
| 24 H 0130 | Comb. 51 | 3T, 3TS, 3 TD |

FOR TELEFUNKEN CARTRIDGES 24 H 0148 Comb. 64 TTSA

FOR VACO CARTRIDGES
24 H 0101 LP 55 T-45, S.45

[^8]
## 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 H 01941 MIL for Mono LP ....... Net . 69 24 H 01953 MIL for 78 RPM ... .... Net . 69 (FIG. 34). Individual Styli Replacements that clip in to all GE Series A Series.
24 N 01961 MIL for Mono LP ........ Net .69 24 H 01973 MIL for 78 RPM ....... Net .69 (FIG. 35). Direct Replacements for Clip-in Styli in GE VR II Series, AG.050. 4G-052, 4G-040, 4G-041, 4G-061, 4G-063.
24 H 01911 MIL Mono LP
24 H 01923 MIL 78 RPM
Net .69

FOR ASTATIC, PHILCO,
MAGNAVOX AND RONETTE
(FIG. 54). For ASTATIC 310T, 310TE, 310TS. 310-2, 414-1, 420-TS. 422-TS, 424-TS: PHILCO 35.8014. 325-8021: MAGNAVOX 560176; RONETTE Series DT-60. RA-284, TO.284. 24 H 01983 Mil for 78 RPM Records Net .69 24 H 0199 AG for 78 \& Mono L.P. ... Net .69 24 H 02011 Mil for Mono L.P. ..........Net . 69

## FOR SHURE, AOMIRAL 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 409B199. 409A30: WEBSTER F10, F11. F11-1. 24 H 0202

Net .69

## FOR MAGNAVOX, PHILCO, RCA

AND SONOTONE CARTRIDGES
(FIG. 51). Comb. 1 mll and 3 mil for mono LP and 78 records. For MAGNAVOX 560161: PHILCO 325-8018; RCA 78907. 100653: SONOTONE Serles 2T, 9980.
24 H 0203
Net .99

## FOR PHILCO CARTRIDGES

(FIG. 43). Comb. 1 mil and 3 mil for mono LP and 78 records. For Philco Series 45. 76: 425.
24 H 0204
Net .99

## FOR RCA

(FIG. 49). 1 mil for LP mono records. For RCA 74067. 74625, 75475, 75575. 75967, $76318,77779$.
24 H 0205
Net .69

# Stereo Diamond And Diamond-Sapphire Styli 

 Table below explains symbols in Column head "PT SIZE."

## 169 ANY STEREO STYLI

$s=.7$ MIL DIAMDND
SST $=.7$ MIL DIAMOND and 3 MIL SAPPHIRE* SLP $=.7$ MIL DIAMOND and 1 MIL SAPPHIRE*

## * Synthetic

| Stock No. | Pt. Slue Fig. | Cartridge |
| :---: | :---: | :---: |
| $\begin{aligned} & \text { FOR ACOS CARTRIDGES } \\ & 24 \text { HOI60 SST G } 73.1 \\ & \text { FOR ADMIRAL CARTRIDGES } \end{aligned}$ |  |  |
|  |  |  |
|  |  |  |
| 24 H 0152 | S C | 409833-1 (2-1) |
| 24 H 0153 | S 8 | 409C37-1 |
|  | FOR ASTATIC | cartrioge |
|  | SST N | 17, 170 |
| 24 H 0185 | SST W | 133 |
| 24 H 0229 | S | ST-100, 70, 74, 76, 78 |
| 24 H 0230 | SST CC | $153,157,461,481$ |
| 24 H 0231 | SST DD | 138, 140, 142, 146 |
| 24 H 0232 | SST EE | 1810 |
|  | or columbia | cartridges |

24 H 0156 S J SC-1-2.7-8
FOR ELAC-MIROTWIN CARTRIDGES
24 H0169 SST 0 KST-100, PE-180
24 H0170 SST 0 KST.104, PE- 182
FOR ELECTRO VOICE CARTRIDGES
$\begin{array}{llll}24 H 0152 & \text { S } & C & 21 \text { and } 26 \text { Series } \\ 24 H 0186 & \text { SST } & X & 117,131,1310 \\ 24 H 0187 & \text { SST } & Y & 132\end{array}$
24 H0188 SST Y 141, 149
24 H0233 SST GG 198, 199
24 H 0234 SST HH 194

| $24 H 0165$ | S | K | E.1-3 |
| :--- | :--- | :--- | :--- |
| 24 H 0171 | S | P | U.1-2-4-5 |
| 24 H0178 | SST | T | $U .8$ |

24 H 0189 SST 2 U10, U11
24 H 0235 SST T U12, U13
for general electric cartridges
$\begin{array}{llll}24 H 0159 & \text { S A GC7 } \\ 24 & \text { H0161 } & \text { S A } & \text { VR227 }\end{array}$
24 H0177 SST U C100
24 H 0236 SST J C200, C100A 24 H 0237 SST KK C500

FDR MAGNAVOX CARTRIDGES

24 H 0166 SST D $560260-1$
24 H 0187 SST Y $560305-1$
24 H 0257 SST QQ $560344-45$
FOR MASTERCRAFT CARTRIDGES
24 H 0258 SST RR RP100

## GE MODERNIZATION ASSEMBLIES

(Fig. 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. 2 oz.

## 24 H 0135

Net 1.69
DUAL DIAMOND. Replaces old GE RPJ.012 and RPJ-012A.
24 H 0151
Net 3.90
DUAL SAPPHIRE. Replaces oId GE RPJ-010 and new RPJ-OIOA.
24 H 0193
Net 99


## CHUCK-TYPE <br> NEEDLES

For screw-type chucks. Offset shank, 2 mil point for 331/3. 45 and 78 mono records. 24 H 7001 Osmium point. Singly ea. .... . 29 lots of 10 . ea
24 H 7002 Synthetic ruby singly ea. lots of 10 . ea

| Stock Pt, Fig. Cartridge |
| :--- | :---: |
| No. Size Fig. |

FOR RONETTE CARTRIDGES
24 H 0153 S B $\left\{\begin{array}{l}\text { OV, OVI, TI Single } \\ \text { BF40, 105, 105.1 } \\ (2,3,4)\end{array}\right.$ $106.1(2,3,4)$
FOR SONOTONE CARTRIDGES

| 24 H 0154 | SST | D | 8 T and 8TA |
| :---: | :---: | :---: | :---: |
| 24 H0155 | SLP | D | 8 t and 8TA |
| 24 H 0167 | SST | 1 | gT Series |
| 24 H 0168 | SST | M | 12 THS |
| 24 H 0172 | SST | 1 | 16T Series |
| 24 H 0173 | SST | 1 | 18 T Series |
| 24 H 0174 | SST | R | 12THSR |
| 24 H 0175 | SST | 5 | 12 TLAS |
| 24 H 0241 | SST | 00 | 21T, 22T, 23T, 241 |
| 24 H 0242 | SST | PP | 26T, 27T |
| 24 H 0243 | SST | PP | 25T, 281 |
| FOR | TELEFUNKEN CARTRIDGES |  |  |
| 24 H 0162 |  |  |  |
| 24 H 0261 | SST | VV | T. 23 |
|  | FDR TETRAD |  |  |
| 24 H 0262 | SST | UU | 11.31 |
| 24 H 0263 | SST | UU | 21,41 |
| 24 H 0264 | SST | UU | 32 |
| 24 H 0265 | SST | UU | 13,33 |
| 24 H 0266 | SST | UU | 52, 62 |
| 24 H0267 | SST | UU | 42 |
|  | FOR VARCO (VACD) |  |  |
| 24 H 0254 | SST | WW | CN Series |
| 24 H 0255 | SST | XX | TN Series |
|  | FOR | VM | CARTRIDGES |
| 24 H 0152 | S | C | 16707-A |
| 24 H 0154 | SST | D | 16708-F |
| FOR WEBCOR CARTRIDGES |  |  |  |
| 24 H 0152 | S | C | 21P573 |
| 24 H 0153 | S | B | 21P596, 21P598 |
| 24 H0154 | SST | D | 21P100-1-2-3-4 |
| FOR ZENITH CARTRIDGES |  |  |  |
| 24 H 0153 | 5 | B | 142-998 |

## DUAL DIAMOND STEREO STYLI

Styli 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 styli in 170 cartridge.
24 H 0180
Net 2.69
(FIC. E). Replaces RCA styli 11020 and 110022 in cartridge series RPM, 106960-A, 108213A, $106770-\mathrm{A}$ and 106771.A.

## 24 H 0181

Net 2.69
N-8TAS SD, DD in cartridge 8T, 8TA.
$24 \mathrm{H} O 182$
(FIG. L).
Net 2.69
N-9TS, SD DD in cartridge series 9 T .
24 H 0183
Net 2.69
(FIG. L). Replaces Sonotone styli N16TS, SD, DD in cartridge series 16 T .
24 H 0184
Net 2,69

# Tone Arms - Motors - Amplifiers <br> MODERN 4-SPEEO TURNOVER <br> PICKUP 



Employs a high-output crystal turnover cartridge for either stereo or monaural opera. tion. Frequency response, $20 \cdot 18,000$ cycles; output, 1 volt per channel. Crosstalk between 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, K ${ }_{6}{ }^{\prime \prime}$ in diameter. Equipped with side attachment for easy lifting and setting down. Durable olastic construction. Imported 99 H 1024 Shpg. wt., 7 oz. .............Net 1.95 Sunthetic Sapphire LP replacement needle. 99 H 1027

Net .49 Synthetic sapphire STO replacement needle. 99 H 1028


## THREE TUBE AC-DC PHONO AMPLIFIER $3^{95}$ (Less Tubes)

- Output Transformer
- Variable Tone Control

Equipped with a variable tone control and volume control with off posilion. Delivers up to 2 watts output to 3 ohm speaker. Uses 3 tubes: $35 \mathrm{W4}, 50 \mathrm{C5}, 12 \mathrm{AV} 6$. Input impedance: 150 K ohms. Features top mounted output transformer. Less tubes. size: $5 \% \times 2 \%, 44^{\prime \prime}$. Imported. Shpg. wt., 2 bs.

## 99 H 0153

36 H 9001 M Kit of 3 tubes
AUOLOOISCS PROFESSIONAL RECORDING BLANKS
The highest quality 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 $.027^{\circ}$ base for home recording. All Red and Yellow Labels are $.050^{\circ \circ}$ base except * are . 040 .


All have $003^{\prime \prime}$ tip except microgroove types have $0005^{\circ}$. All tips are finest synthetic sapphire except type 34 S and 34L are stelItte. High quality for professional as well as amateur use. All have $87^{*}$ included angle. Shpg. wt., 2 oz .

| Stock No. | Mir. No. | Description | Net |
| :---: | :---: | :---: | :---: |
| 24 H 1013 | 14.5 | Sho | 5.3 |
| 24 H 1014 | 20.5 | As above for microsroove | , |
| 24 H 1015 | 14-L | Long dural shank | 5.3 |
| 24 H 1016 | 20-L | As above for micro. groove | 5.34 |
| 24 H 1017 | 34.S | Short brass shank | 1.74 |
| 24 H 1018 | 34-L | Long brass shank | 1.7 |

Net 3.95
Net 1.89


## BATTERY OPERATED PHONO MOTOR

- 3 Speeds

A rugged, constant phono motor and turntable with low wow and flutter. Low current drain givas 135 hours of normal use from 4 standard flashlight cells. New 6 -inch plastic turntable will play $45,331 / 3,16$ RPM records. Easy mounting, single assembly. Depth below mounting surface 2 in . Shpg. wt., 4 lbs .
Battery operated phono motor and turntable
24 H 2701
Net 11.95
99 H 6256 Batteries for above ( 4 required)
ea. . 15

## 4-SPEEO PHONO MOTOR



Have fun making announcements and broadcasting music through your own radio-with this broadcaster. Simply connect high impedance microphone or phono pickup to broadcaster and tune in broadcaster on radio. No wiring between the broadcaster and radio set. Pretuned to 1600 on radio dial but easily retuned. With 12BE6 and 35W4 fubes, phono jack, 2 feet of antenna. schematic and line cord. Completely wired. Chassis size: $4 \times 2^{\prime \prime}$. For $110-125 V$ AC/DC operation. Shpg. wi., 2 lbs.
99 H 0177
Net 4.95
Depend on Lafayette for Complete Stocks, Lowest Prices, Fastest Service

# Phono Accessories 



Shuts off Mi-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 desired. Housed in a rugged drawn-steel case with mounting ears, amplifier outlet. and 6 ft . $A C$ cord. Size: $245 \times 4 / 4 \times 178 \%$. Shpg. wt. 1 lb . 24 H 2801

Net 4.95

## STOR-A-DOR RECORD RACK

- Mangs On Wall or Door - Stores up to 60 Records - Records Easily Accessible Conveniently store your precious records in this sturdy aluminum record rack where they can be easily reached when needed, yet out of the reach of children. Rack hangs on wall or door without taking up floor space. Stores up to 60 records in their iackets. as record man
 ufacturers recommend. Handsomely designed to fit any decor. Permits jackets to be displayed for their decorative effect. Bright aluminum finish. Dimensions: $16 \mathrm{~W} \times 40 \mathrm{Lx}$ $31 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 3 lbs.
24 H 7801 wx
Nef 5.25


Attractive, brass plated rack carries 60 records of all sizes. Spring steel separators numbered 1 to 60. Meavy carrying handle. Rubber tipped feet. Size: $171 \times 53 / 4 \mathrm{Hx} 7^{\prime \prime} \mathrm{D}$. 24 H 8501 Shpg. wt., 4 lbs. ....... Net 1.79
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.- triangular shape, brass finished with plastic tips. Shpg. wt., 1 lb.
24 H 3101


RECORD AND

- Ideal for Desks and Tables
For records (LP's and 45 RPM's), tapes or books. Can hold from one unit to its full capacity upright with its automatic locking feafure. Gleaming brass finish. $121 / 4 \times 6 \times 6^{\circ}$. Shpg. wt., 1 lb . 24 H 3102


## THE ORIGINAL "DUST BUG"



Automatically removes dirt and dust on each playing. Light plastic arm mounts by suction cup. Can be permanently mounted by rubber cement. The botlle of antistatic cleaning fluid has a bullt-in wick for appilcation to a brush and pad at the end of arm. Imported. Shpg. wt.. $60 z$.
24 H 2501
Net 5.75
OISPENSER OF ACTIVATING FLUIO. FOR Dust Bugs. Shpg. wt., 202.
24 H 2504
Net 2.00
24 H 2503 Replacement Plush Pad and Nylon Brush. Shps. wt., 402. Net 1.50

## RECORD DUST REMOVER

For a dust-free record collection. The "Para. static Disc Preener" penetrates each groove, removing all dust and grit and deposits a non-toxic fonic compound. Leaves no trace of film or residue. Ideal for keeping new records new. Shpg. wt., 2 oz.
24 H 2505
Net 3.50
RECORD CARRYING CASES


DELUXE CASE FOR 12"" RECORDS
(Fig. A) Handsome case holds $60-12^{\prime \prime}$ records without lackets, 36 with. Solid wood frame lock corner construction. Covered with Pyroxolin coated cloth, washable and long wearing. Two tone. Sure-hold lock. $13 \mathrm{~V} / \mathrm{ax}$ $7 \times 141 / 2^{\prime \prime}$. Shpg. wt., 7 lbs.
24 H 8201
Net 5.75

## DELUXE CASE FOR 7" RECORDS

(Fig. B) Same construction as above. Double sided. Holds 120 records, $151 / 2 \times 7 \times 81 / 4^{\prime \prime}$. With index and separators. Shpg wt, 7 lbs 24 H 8202 Net 5.25

ECONOMY RECORD CASES


Sturdy binder board construction covered with moisture-resistant piastic material. Plastic handle and nickel trim. Solld pastel color.
12" RECORD CASE. Molds 30 albums. With subject guides including labels for pages, classical, etc. Size: $133 / 4 \times 134 / 8 \times 5^{\text {N }}$. Shpg. wt. $31 / 4 \mathrm{lbs}$.
24 H 3103 $\qquad$ Net 2.29
7" RECORD CASE. Molds $807^{\prime \prime}$ records or 11 tape boxes. Complete with cushion dividers and gummed numbers. Size: $83 / 4 \times 8 \times 81 / 4^{\circ}$. Shpg. wt., $21 / 2 \mathrm{lbs}$.
24 H 3104
Net 1.89


Deep clean your records the modern way. Specially prepared detergent anti-static record cleaning fluid protects your valuable records as it cleans. Just a few drops on new velvet-foam rubber applicator mitt will give your records a professional cleaning job. Supplied with anti-static fluid, velvet applicator mitt and polyurethene pad. 24 H 8502 Shpg. wt., 1002.

Net 1.29

## DELVAN RECORD CLEANER KIT

Keep your records free from dirt and dust that give your records those annoying pops and reduce record life. One application keeps records static free for months. Velvet type pad gets into the grooves. With needle brush. Shpg. Wt.s
10 azs.


24 H 1801
Net .79

## lektrostat cleaning kit

Clean your valuabie records the professional way with the Lektrostat method. Kit contains a non-gumming 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 yet firm velvet, contained in a novel plastic pouch. Shpg. wt., 10 oz.
24 H 1802
Net 1.96
RECORD STATIC and DUST ELIMINATOR

Sprays a fine mist which keeps your record clear of surface nolse 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 life. Two aoplications a year are sufficient. Enough for hundreds of records. Shipg. wt., 802. 24 H 7003

## RECORD ALBUMS


(1) RECORD ALBUM - Durable. Holds 12 records. Handsome maroon albums with gold lettering. Shpg. wt., 1 lb.
24 H 1701 For 7 " records
Net 63
(2) ALBUM BOXES-Stores records in lackets. Dust proof. Rigid overlapping sides. Covered in washable, durable Kyvar with chestnut board, deeply padded covers. Beautiful winemaroon, gold embossed. Shpg. wt., 3 lbs. 24 H 1401 Holds 15 12"' records... Net 1.95

(A) PK-10 OELUXE RECORD ANO PHONO CARE KII. Contains: $10^{\prime \prime \prime}$ foam Phono Cushion: Strobe and Light Kit to check phono speed accuracy; Stylus Microscope; Stylus Pres. sure Gauge; Disk. Whisk Kit; Round Turntable Level; 15 Round Bottom Plastic Record Cov ers; Record Brush; Rob-O-Stat Record Clean ing Kit having applicator mitt and $11 / 202$ Anti-Static Cleaner and Lubricant: 144 Friction Spots; and 12 Record Mitts for safe handling of records.
24 H 8039 Wt. $2^{3 / 4}$ ib.
Net 10.99
(B) PK-6 "ROB-0.STAT" RECORO CLEANING KIT. Contains: super-soft velvet and foam applicator mitt, $11 / 2$ oz. plastic bottle of Anti-Static Cleaner and Lubricant and polyfoam pad. A must for better sound. Wt. 802. 24 H 8036

Net 1.29
(C) PK-g RECORO CARE KIT. For record and phono needle care. Contains: PSG-2 Styius Pressure Gauge; Record Cleaning Cloth; Turntable Level: Strobe Disc: KleeNeedle Stylus Brush; 18 Plastic Record Covers: Tone-Arm Lift and Record Brush. Wt. 1 lb . 24 H 8053

Net 3.98

(H) MRB. 1 POCKET RECORO BRUSH. Soft hair brush in Gold Anodized case with pocket clip.
24 H 8941 Wt. 4 oz.
Net .99
(l) PM-1 STYLUS MICROSCOPE. Inspect stylus tip for signs of wear, chips, etc., to prevent record damaze. Precision ground lenses, 50X magnification. Knurled focusing adfustment. Convenient slot at end of scope holds stylus. Pen type pocket clip. $23 / 4 \times 1 / 2$ dia. 24 H 8016 Imported. Wt. $402 . .$. Net 1.79

PB. 2 COMBINATION TONE-ARM LIFT AND RECORO BRUSH. (not illus.) Clips to tonearm. Sweeps dust and particles from records. Provides convenient finger lift.
24 H 8002 Wt. 302.
Net . 59
PSG-3 STYLUS PRESSURE GAUGE, (Not illus.) Accurately calibrated sauge and counter balance weight adjusts to measure stylus pressure to $1 / 2$ aram.
24 H 8055 Wt., 4 oz.
Net .89
SOFT FOAM PHONO CUSHION WITH STRDBE.
(Not lllus.) Cushions records to reduce slip. page. Strobe disc checks 16, 331/3. 45 and 78 RPM speeds.
24 H 8007 PC-10, $974^{\prime \prime}$ dia.
Wt. 3 oz .
Net . 59
24 H 8008 PC. $12,113 / /^{\prime \prime}$ dia.
Wt. 302.
Net .69
(K) PSO-4 METAL 5" OIA. 4.SPEEO STROBE

OISC. Checks 16, 331/3, 45 and 78 RPM speeds
24 H 8042 Wt. 2 oz.
Net .99
PG-1 RECORO JOCKEY CLOTH. (Not illus.) Special anti-static ingredient reduces formation of dust on records. Wt. 3 oz. 24 H 8050
(D) PK. 5 PHONO STROBE AND LIGHT KIT. Checks turntable for correct speed. Neon tamp and strobe disc. Tests 3343,45 and 78 RPM. $110 \mathrm{~V}, 60 \mathrm{cy}$. A.C. Instructions. 24 H 8035 Wt. 6 oz.

Net 1.39
PK-12 PHONO-ORIVE CARE KIT. (Not illus.) 2 02. bottles of Phono Orive Oil and Non-Slip for phono drives and belts. Shpg. wt.. 602. 24 H 8051
(E) HI-FI "STOP-O-MATIC" FOR HI-FI SYS. IEMS. Automatically turns off amplifier and changer when last record has played. Fall asleep to your favorite music without "burn. ing-up" your equipment. Switch permits use of amplifier without changer. Two models. Size: $6 \times 2 \times 112^{\prime \prime}$. Shpg. wt., 2 lbs.
PS. 1 for European changers, Garrard. Col. laro. Thorens, etc. Requires minimum of 15 watts.
24 H 8023
Net 6.99
PS. 2 For U.S. made channers. Webcor, etc. Requires minimum of 25 watts. 24 H 8024

Net 6.99
(F) PB-88 "CLEAN.SWEEP", Large soft hair brush gently cleans entire tracking surface of records up to $12^{\circ \prime}$ with each revolution. Records and stylus last longer. Adhesive base pad mounts to phono deck. Can be swung out of the way when not in use. Wt. 802. 24 H 8001

Net 3.99

PB. 75 CLIP ON RECORO BRUSH. (Not Illus.) Soft brush gently sweeds dust from recoro prooves. Helps keep stylus free from dust. Clips to tone-arm. Wt. 3 oz.
24 H 8003
Net . 39
(G) PE. 3 ADJUSTABLE STYLUS BRUSH. For all U.S. made and imported phonos and turntables. Spring secured flexible mounted brush adjusts from $3 / 3^{\prime \prime}$ to $1 / 2^{\prime \prime}$ height to requirements of tone-arm. Automatically removes dust blob on stylus when tone-arm is cycled. Pressure sensitive base for mounting.
24 H 8054
Net 75
(J)

(K)

(L)

(M)

PRM. 12 RECORO MITTS. (Not illus.) Helps prevent grease. perspiration, etc. from conlacting and damaging records. 12 Mitts made of soft. fell flocked leatherette. For safe handling of records. Wt. 4 oz. 24 H 8048

Net .59
(L) PRA-50 RECORO SPIOERS, 50 hi-impact plastic 45 RPM adapters. Easy insertion. Wt. 602. 24 H 8046

Net 69
(M) PC- 2 TWO MIRACLE RECORD CLEANING CLOTHS ANO CLIP.ON RECORO BRUSH. WT. 402.

24 N 8044
Net .69
(N) PI. 18 ROUNO BOTTOM PLASTIC RECORD COVERS. Protects $12^{\prime \prime}$ records. Package of 18. Wt. 7 oz.

24 H 8056
Net . 69
(0) PJ. 19 SQUARE PLASTIC ALBUM COVERS. for $12^{\prime \prime}$ albums. Package of 18 . Wt. 7 oz . 24 H 8057

Net .69
TURNTABLE COVERS. (Not illus.) Soft, heavy gauze durable plastic. Fits most chanzers: Wt. 802
24 in 8025 PJ-5. $17 \times 15 \times 83 / 4^{\prime \prime}$
Net 1.59 24 H 8026 PJ. $2,121 / 2 \times 15 \times 83 / 4{ }^{\prime \prime}$ 24 H 8027 PJ.1. $13 \times 131 / 2 \times 8^{\prime \prime}$ 24 H 8028 PJ.3. $22 \times 161 / 2 \times 9^{\prime \prime}$
24 H 8029 PJ-4, $171 / 4 \times 171 / 2 \times 9^{\circ}$

(N)

(0)

(P)

## COMBINATION.PACKS FOR SAVINGS

pK-14 Stylus ano recobd care kit. (Not illus.) Contains: PB. 3 Adjustable Stylus grush for all phonos, and Package of 18 Plastic Round Bottom Record Covers. 24 H 8059 Wt. 11 oz . ............. Net 1.29 PK-16 STYLUS CARE KIT. (Not Illus.) Con tains: Stylus Inspection Microscope. PSG-3 accurately calibrated Stylus pressure Gauge. and Adjustable Stylus Brush.
24 H 8060 Wt. 14 oz.
Net 3.29
PK-17 STYLUS ano recoro care kit. (Not illus.) Contains: Adjustable Stylus Brush. PSG-3 Stylus Pressure Gaure, and Record Jockey Cloth. Wt. 1202
24 H 8061
Net 1.69
PK-15 RECORO CARE KIT. (Not lllus.) CONtains: Combination Record Brush and ToneArm Liff; and Package of 18 Plastic Round Bottom Record Covers

Net 1.19 24 H 8062 Wt. 1002
PK-19 RECORO CARE KIT. (Not illus.) CONtains: Record Jockey Cloth and Package of 18 Record Covers.
24 H 8063 Wt. 1002.
Net .99
(R) PC-4 TWO RECORO CLDTHS ANO A 45 RPM SPINOLE AOAPTOR, WT. 402
24 H 8052
Net . 69
(S) PC. 33 RIM.REST PHOND CUSHION. HaS graduated ridges for $7^{\prime \prime}, 10^{\prime \prime}$ and $12^{\prime \prime}$ records. Records rest on rims only. Delicate grooves never touch Rim.Rest. Fits all turn. tables. Made of supple Polyethylene. 12" dia. Wt. 602
P) PSA. 3545 RPM SPINOLE. Fits most GE and VM Changers using short spindle. No iwisting or jamming.
24 H 8040 Wt. 302.
Net 2.39
(a) PL- 2 ROUNO TURNTABLE LEVEL. " 4 -way" spirit level for Stereo. Place on turntable for accurate leveling. Insures correct tracking. minimizes stylus and record groove wear. Wt. 402.
24 H 8018
Net 1.49


Net 1.35

(R)

# Hi-Fi And Phono Accessories 

NEW STEREO VU BALANCE METER


- Two Meters in One
- Balances Stereo Systems


Ends the problem of belancing your stereo system. Two precisely damped loudness meters provide a continuous comparison of speaker levels. Scales callibrated in "Volume Units" and Dercent. 1.2 volts Input sensitivity for 0 VU or 100 percent indication. The special calibrating switch and 20 db attenuation controls permit exact matching of channels. Greater than 8,000 ohm impedance permits connecting to output circults without loading. The entire urit is housed in an attractlve plastic case $6^{-} \mathrm{W} \times 31 / 4 \mathrm{H} \times 27 / \mathrm{n}^{\circ} \mathrm{D}$. Imported. 89 H 5038 Shpg. wt., 3 lbs.

Net 11.95

Clme

## HI-FI BOXER FAN

- Ideal For Cooling 4,85 Hi-Fi Equipment
- Super Silent, Compact
- Sturdy Metal Construction


Exceptionally low-noise fan for cooling hj-fi equlpment. Slow rotating 5 -blade impeller dellvers 50 cfm , enough alr to exhaust the average enclosure 10 to 30 times per minute, to minimize thermal drift and increase equipment life. Airflow is reversible. Has heavy non-warp all metal frame and motor mounting asts as an efficient heat sink, adding life to motor and bearing. Pre. lubricated for years of maintenance-free operation. Only $414_{4}^{\prime \prime}$ square by $1 / 2^{20}$ deep, fits any cabinet. Easy to install. Comes with complete mounting kit including special heavy duty brackets for mounting versatility, hardware, grommets, shock-absorbing spring mounting pad, A.C. power cord and clip on plug, template and instruction sheet. Rated 115 VAC, 1 phase, 60 cps . 24 H 4301 Shpg. wt., 2 lbs.

Net 14.05

## STEREO RUMBLE FILTER



Filters out turnfable vibration and rumble makes every low-priced furntable and changer quiet 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 amplifier inputs. Overall size: $5 \times 2 \% / 8 x^{5} / \%^{\prime \prime}$. Imported. Shpg. wt., 1402. 99 H 1018

Net 2.49

## LAFAYETTE HIGH FIDELITY STEREO-MONAURAL TEST RECORD

- Tests Rumble Each Channel
- Tests Level Each Channel
- Tests Balance
- Tests Equalization
- Stylus Wear Test
- Tests Resonance
- Incorporates Phase Check


For stereo testing this two-sided $12^{\circ \prime}$ L.P. stereo record has on its stereo side two 1000 cycle 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 styli. Incorporates phase adjusting check to simplify phasing of speakers. For monaural testing it provides an RIAA equalization test in 9 steps from 30 to 15,000 cycles a continuous glide band from 10 to 35,000 cycles, to test for resonances of tone arm or of cabinet. Comes with complete instruct ons for use Shog. wt.. 1 lb .
24 H 4507
Net 2.95

TRANSISTORIZED 1000 CPS AUDIO GENERATOR

## - Low Distortion

Sinusoidal Output

- Adjustable Amplitude
- Self-Powered
- Completely Wired Not A Kit


MODEL TE-39

Compact transistor audio oscillator with a sinusoidal output of 1,000 cycles. The stability is excellent, and the wave form has less than $2 \%$ distortion. Oufput amplitude adjustable up to 0.5 V . RMS or more Used to adjust audio amplifiers for linearity or to make low frequency power measurements. In amateur radio can be used to test and adjust AM and SSB transmitting equipment. On AM, it can serve as a constant, pure audio signal and to adjust modulators. On SSB, it can be used to make single tone power measurements, of to check suppression of the unwanted sideband, etc. Adjustment to minimize distortion after battery changes. This unit can often be used in place of a more bulky generator, operating independently of the commerclal power lines. The on-oft switch and separate amplitude control are on front panel. With 9 V battery. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$. 99 H 5030

Net 6.95 99 H 5021 9V. Replacement Battery for TE-39 ....................Net . 21 General Purpose Miniature Cooling Fan

- Motor Shunt Varies


## Both Volume of

 Air Moved and Noise levelA venturi fan for use with hi-fi. N, Ham radio and other electronic installations, to ventilate equipment and give maximum Iffe and best performance.
 With shunt delivers 75CFM at low nolse
level, shunt removal delivers 90CFM with slight increase in noise level. Front and back grilles. Permanently lubricated. Rated $115 \mathrm{VAC}, 1$ phase, 50.60 cps . \$ize: $51 / 2 \times 6 \times 31 / 2^{\prime \prime}$. Complete with grill, bracket, mounting hardware and instruction sheet. Shpg. wt, 2 lbs. 24 H 3901

HI-FI-TV

## ADAPTOR

## - Hear True Hi-Fi

## From Your TV Sel



Enjoy your favorite TV proprams in the true high fidelity sound as it is broadcast. The Adaptor picks up the hiofi signal in the $\mathbf{N}$ set and feeds it to the amplifier or receiver. after which the hi-fl sound is faithfully reproduced through the speaker. Tape recording enthusiasts can also tape programs of their choice with full lidelity. Just connect the adaptor to the TV set and to the recordine input of the tape machine. The Adaptor mav be placed at the $\mathbf{N}$ set or at the amplifier or tape recorder. The unit has been precisefy pre-set at the factory and no other adjustment is required. Easy to install-all vou need is a screwdriver. SuDplied with a 6 -ft. insulated wire with a tube clamp for connection to the TV receiver, plus a $6-\mathrm{ft}$. Datchcord for connection to the amolifier or tace recorder. Over-all $91 / 2 \times 61 / 2 \times 3^{7} \mathrm{H}$.
24 H $2400 \$ 5$ Monthly Shps. wt., 5 lbs.
Net 32.95
LAFAYETTE RECESSED WOOD BASES
AND MOUNTING BOARDS
RECESSED
base
MOUNTING
BOARD
Wood Bases For Lafavette Record Playing Equipment.
Diled walnut base for Lafayette Model 200
21 H 0201W Shpg. wt. 2 lbs.
Net 4.50
Oiled walnut base for Lafayette Model 400
21 H 0203W Shpg. wt., 2 lbs.
Net 4.50
Mounting Boards For Garrard Equipment
Lafayette wood mounting boards. unfinished, smooth sanded. Shpe. wt., $11 / 2 \mathrm{lbs}$.
24 H 1216 W For SL75 and SL95
Net 1.30
24 H 1209W for SL55, SL65, 60, 50, 40, 20 series ......... Net 1:30
Dust Covers
Tinted plastic dust covers for stereo compacts. For KLH $11 \mathrm{~W}, 15$, 19. 20, 24; Harmon-Kardon SC-340, SC-440, and Lafayette LSC-20, LSC-3n. Shpg. wt. 3 lbs.
24 H 2301w
Net 7.95
Attractive plastic dust cover for Lafayette Models AC.44, AC.55, and AC-66 record changers. Shpg. wt., 1 lb .
24 H 0247w
Net 3.95
To Speed Your Mail Order - Please Give Iour Zip Code Number

## LAFAYETTE COMPLETE CABLE ASSEMBLIES FOR HI-FI AND P. A.

High quality extension cables "tailor made" for users of recorders, hiffi equipment, etc. All plugs molded directly to various cable combinations. Shielded cable for high impedance (mike, etc.) connections; parallel wire for low impedance (speaker, etc.) connections. Avg. shpg. Wt., 9 oz.


PIN TYPE PHONO PLUG (B) TO VARIOUS CONNECTIONS. All cables shlelded except imported.

(G)
$\left.\begin{array}{lllll}\hline & & \begin{array}{l}\text { Cable } \\ \text { Length }\end{array} & \text { Other Termination }\end{array}\right)$ Net

completely shielded. All cabies shielded. Imported
coll

| Stock No. | One Termination | Cable Length | 0ther Termination | Net |
| :---: | :---: | :---: | :---: | :---: |
| 99 H 0067 | $90^{\circ}$ phone plug (A) | ) 72 in | plug (B) | 72 |
| 99 H 0070 | $90^{\circ}$ phone plug (A) | ) 72 in . | connector (f) | 93 |
| 99 H 0072 | $90^{\circ}$ phone plug (A) | ) 72 in . | pin plug (E) | . 72 |
| $90^{\circ}$ PIN PLUG (E) TO VARIOUS CONNECTIONS. All cables shieldedImported. |  |  |  |  |
| Stock No. | One Termination | Cable Length | other Termination | Net |
| 99 H 0079 | $90^{\circ}$ pin plug (E) | 72 in . | connector (F) | . 88 |
| 99 H 0102 | $90^{\circ}$ pin plug (E) | 18 in. 90 | in plug (E) | . 38 |
| 99 H 0106 | $90^{\circ}$ pin plug (E) | 120 in. 90 | in plug (E) | 72 |
| 99 H 0110 | $90^{\circ}$ pin plug (E) | 120 in . Ph | Jack (D) | 72 |

PHONE PLUG (G) TO VARIOUS CONNECTIONS. SId. $1 / 4^{\prime \prime}$ diam. sleeve; completely shielded. All cables shielded. Imported.

| Stock No. | One Termination | Cable <br> Length | Other Termination | Net |
| :--- | :--- | :--- | :--- | :--- |
| 99 | H 0063 | Phone plug (G) | 72 in. Phone jack (C) | .79 |
| 99 | H 0075 | Phone plug (G) | 72 in. Mike connector (F) | .93 |

## COILED CORD AUDIO CABLE ASSEMBLIES (au)

- Extends to 66 Inches, Fetracts to 8 Inches.
Stretch cable permits neat interconnections without iangle, drape or droop. Durable. shielded coiled cord. Available with RCA type phono plug, alligator cilips and stripped and tinned terminations. Shpr. wt., $90 \mathbf{0 z .}$
RCA type phono plug at each end.


## 24 H 3402

Net 99
RCA type phono plug at one end. alligator clips color coded red and black at other end. 24 H 3403 ............................. 1.09
RCA type phano plug at one end, stripped and tinned leads at other end. 24 H 3401


For converting Stereo Player to Monaural. Can be used for a Tap-in-Meter Monitor connection. Also required on some Tape Recorders. Imported. Shpg. wt., 4 oz.
(K) Phono Plug connected to 2 Phono Jacks by $4^{\prime \prime}$ shielded cable.
99 H 0093 Net . 59
(L) Phono Jack connected to 2 Phono Plugs. 99 H 0094 .......................................Net .59 (M) 3 Phono Plugs connected logether by $4^{\prime \prime}$ shielded cable. 99 H 0095

99 H 0135 Shpg. wt., 6 oz ............................................ 1.79
UNIVERSAL CABLE KIT ONLY 179
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 shleided and insulated. Ideal for connecting tape recorder to phonograph, radio or T.V., or tuner to amplifier. Imported.

CONNECTORS AND SHIELDED Y ADAPTERS




Completely shielded Y-Adapters with choice of connectors and terminations. Imported. Avg. shpg. wt., $70 z$.
(N) Two phono jacks connectors in parallel to a standard 2 -conductor phone plug.

Net 69
(R) Two phono jacks connectors in parallel to a standard phono plug.
99 H 0090 ........................................... 69
(P) Feed Thru - Accepts male phono plug at both ends. (Shpg, wt., 4 oz .)
32 H 5201
Ea. . 53


SWITCHCRAFT ADAPTERS - Shielded plug adapters for mikes \& Mi-Fl cables

332A-2 cond. phone jack input to female mike output. Coupling ring back converts mike conn. to male type.
24 H 8855
Net 1.17
334A-Phono jack input to temale mike connector output. 24 H 8856

Net . 96
3348-Phono lack input to male mike connector output.
24 H 8857
336A-2 cond. Phone jack input to phono plug output
24 H 8858
338A--Phono plug at one end with male mike connector at other
${ }_{24}{ }^{\text {end }}$ H. es59
24 H 8859
Lafayette Cat. No. 6BO

342-Dual-purpose binding post/banana iack input, 2 conductor phone plug output.
24 H 8860
Net 1.77
343-_Phono adapters-female phono jack in end of handle. Internal resistor circuit to adapt crystal phono pickup, or pickup radio or Y.Y. set to Input of Tape recorder-as adaptor with magnetic phono, open plug and twist together opposite leads of resistor. 24 H $8861^{\circ}$ Net 1.17
345A-2 cond. phone plug output with phono jack input. 24 H 8862

Net .87
346-Tlp jack input to phone plug output.
24 H 8863
Net 1.50
349A-Phono plug coupler-with phono jack at each end.
24 H 8864
Net 75

SWITCHCRAFT COMPLETE CABLE ASSEMBLIES FOR HI-FI AND P. A.
High quality extension cables "tallor made", for users of electrical shield and cable clamp. Chrome grey shielded cable recorders, hi.fi equipment, etc. All plugs molded directly to


PhONE PLUG (A) TO VARIOUS CONNECTIONS. Std. $1 / 4^{\circ}$ dia, sleeve; completely shlelded. All cables shielded except ${ }^{*}$ unshielded parallel cable. Avg. shpg. wt., $50 z$.

| Stock No. | One Termination | Cable Length | Other Termination | Net |
| :---: | :---: | :---: | :---: | :---: |
| 24 H 8801 |  | 72 in. | $90^{\circ}$ phone plug (A) | 71 |
| 24 H 8802 | $90^{\circ}$ phone plug (A) | $120 \mathrm{in} .$ | $90^{\circ} \text { phone plug (A) }$ | 2.31 |
|  | $90^{\circ}$ phone plug ( $A$ ) | 25 ft. | $90^{\circ}$ phone plug (A) | 3.06 |
| 24 H 8882 | ${ }^{90} 0^{\circ}$ phone plug (A) | ${ }^{2} 20 \mathrm{in}$ in. | Phono jack ( $D$ ) | 1.84 |
| 24 H 8805 | $90^{\circ}$ phone plug (A) | 120 in . | Phono jack (D) | 1.98 |
| 24 H 8883 | $90^{\circ}$ phone plug (A) | 72 in. | Phone lack (C) | 1.44 |
| 24 H 8806 | $90^{\circ}$ phone plug (A) | 120 in . | Phone jack (C) | 2.31 |
| 24 H 8807 | $90^{\circ}$ phone plug (A) | 25 ft . | Phone jack (C) | 3.08 |
| 24 H 8808 | $90^{\circ}$ phone plug (A) | 120 in . | $9^{\circ}$ Pin Plug (E) | 1.80 |
| 24 H8809** | $90^{\circ}$ phone plug (A) | 120 in . | Strip., tin. ends (J) | 26 |
| $24 \mathrm{H}^{8810}{ }^{\text {c }}$ | $90^{\circ}$ phone plug (A) | 72 in . | Spade lugs ( H |  |
| $24 \mathrm{H} 8811^{*}$ | $90^{\circ}$ phone plug (A) | 120 in . | Spade lugs (H) | 1.32 |
| 24 H $8812{ }^{\text {c }}$ | $90^{\circ}$ phone plug (A) | 120 in. 72 in. | Alligator clips Alligator Cllps | . 26 |
| 24 H8870* | $90^{\circ}$ phone plug (A) |  | Allgator Chps (i) | 26 |

## PHONE PLUG (G) TO VARIOUS CONNECTIONS



Two shielded insulated cables, (of different color tones, for easy identification of chan neis) inside a common chrome grey plastic jacket, providing two completely isolated channels. Avg. shpg. wt., 6 oz. imported Type Length Net

| 99 H 0113 | $36^{\prime \prime}$ | Phono pln | 1.17 |
| :--- | :---: | :--- | :--- |
| 99 H 0114 | $6^{\circ}$ | plugs at | 1.35 |
| 99 H 0115 | $10^{\circ}$ | all ends. | 1.62 |



Supplied with 4 feet of cable, stripped and tinned at one end. Shpg. wt., 5 oz.
With straight 2-cond. phone plug.
24 H 8852
Net 2.16
With Rt._angle 2 -cond. phone plug
24 H 8853
With single microphone connector.
24 H 8854
Net 2.16
Net 2.22

## LAFAYETTE STYLUS INSPECTION MICROSCOPE

With this pocket-sized inspection microscope you can examine your stylus tip for signs of wear, imperfections, general condition. Its $50 X$ magnification is enough to provide a good, clear Image for observation Size $33 / 4^{\prime \prime}$ long $x 1 / 2^{\prime \prime}$ diam. Imported.
99 H 1012 Shps. wt. 8 oz

## SWITCHCRAFT CABLE ASSEMBLIES FOR WOLLENSAK, REVERE ANO WESCOR RECOROERS

Shielded $6^{\circ}$ cable with 3.cond. phone plug (G) with internal resistor to Phono Plug (B). For Webcor part 2925. 24 H 8844 Shpg. wi., 402 Net 2.16 Unshielded $10^{\circ}$ cable with 3 -cond. Phone Plug (G) with internal resistor to Alligator clips (1) for Webcor part 2934. 24 H 8845 Shpg. wt., 602.

Net 2.16 White Shielded $6^{\prime}$ cable with short RA 2. cond. Phone Plug (A) 10 standard 2-cond. Phono Plug (B).
24 H 8846 Shpg. wt., 4 oz. ......... Net 1.85 White Shielded $25^{\circ}$ cable with short RA 2 . cond. Phone Plug (A) to standard 2-cond. short ext. jack (C).
24 H 8847 Shpg. wt., 8 oz.
Net 3.93 White Shlelded $2^{\prime}$ cable with short 2 -cond. Phone Plug (A) to Phone Ext. Jack (C).
24 H 8848 Shpg . wt., $2 \mathrm{Oz}, \ldots .$. Net 2.61 Grey shielded $10^{\circ}$ cable with 3 -cond. Phone Plug (G) with internal resistor to Phono Plug (B). For Webcor recorders.

Net 2.64 24 H 8849 Shpg. wh. 6 oz. White shielded $15^{\circ}$ cable with short right angle 2-cond. Phone Plug (A) to short Phone Ext. Jack (C).
24 H 8850 Shpg. wi., 6 oz. ........ Net 3.30
MINIMIX FOR WOLLENSAK AND REVERE

- Record Sound on Sound


Directly 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 plugs. Shpg. wt., 5 oz. 24 H 8851

## ADAPTER CABLES FOR EUROPEAN RECORDERS

## $A$



Adapts European 3 -contact ano 5 -contact sockets found In Norelco, Karting. Grundig, Sony and Elber stereo recorders and in Grundig radios, to standard phono plugs. Use in microphone input, speaker output or phono record circults.
A. 3 Pin Adapter. Connects to 2 phono jacks. Shielded cable, each 5 in . Color coded. Shpg. wt., 402.
24 H 8875
Net 2.25
B. 5 Pin Adapter. Connects to 4 phono jacks. Shielded stereo cables, each 1 ft . Color coded. Shpg. wt. 802.
24 H 8876
Net 3.60

## CLARKSTAN NEEDLE FORCE GAUGE

Checks weight of pickup arm from one gram to 4 ounces. Has 2 scales, plus calibrated dial with $4: 1$ scale multiplier. 24 H 1601 Shpg. wt., 1 tb.

Net 1.80

## HI-FI STEREO HANDBOOK

Third edition (Sams 20565). A comprehensive volume on the field of hi.fl and stereo. Covers sound, distortion, fidelity and related subjects. Supplies data on planning, selecting and installing appropriate systems. Describes the various components and explains what they do and how they operate. 240 pages, $51 / 2 \times 82 / 2^{\prime \prime}$. Shpg. wt., 12 oz . 10 H 2335

# Decorator Styled Hi-Fi Cabinets <br> Danish Modern Multi-Purpose Equipment Cabinet 



Add contemporary charm to your decor. Spacious cabinet will hold all of your hi-fidellity equipment in the best arrangement for your pleasure and convenience. Crafted in fine woods, with inlaid burl. Has 6 roomy compartments. The top three are $91 / 4 \mathrm{Hx} 151 / 2^{\prime \prime} \mathrm{D}$. Each lower side compartment is $191 / \mathrm{WW} \times 131 / \mathrm{ch} \mathrm{H}$. The lower center compartment is $181 / 4 W \times 131 / 4{ }^{\circ} \mathrm{D}$. Overall dimensions: $60 \mathrm{~W} \times 29 \mathrm{Hx} 8^{\circ} \mathrm{O}$. Three sculptured sliding doors make access to compartments easy without taking up space in your room. Shpg. wt., 110 lbs.
20 H 3827WX $\$ 6.50$ Monthly
Net 119.95

## ONLY $119^{95}$

 No Money Down

## CONTEMPORARY "ALL-IN-ONE" STEREO EQUIPMENT CABINET



## DANISH MODERN "ALL-NN-ONE" STEREO EQUIPMENT CABIINET



## 1095 \$10 Monthly No Money Down

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 $235.6 \mathrm{~W} \times 20^{\circ} \mathrm{H}$ and $181 / 2 \mathrm{~W} \times 20^{\circ 1 \mathrm{H}}$ interior dmensions with a removable center section and adfustable shelf. Overall dimensions: $72 \mathrm{~W} \times 18 \mathrm{Dx} 31 \mathrm{H}$. Walnut finish. 20 H 1801 wx Shpg.wt., 165 Ibs.

Net 189.95

MEDITERRANEAN MOTIF ALL-PURPOSE 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 flexibllity in installing your components. May be arranged to house most furntables, ampllfiers, tuners, and tape recorders. Long length of 72 inch is both attractive and functional for speaker separation. Walnut finish. $20 \mathrm{H} 3802 \mathrm{WX} \$ 9$ Monthly Shpg. wt., 165 ibs.

Net 179.95

M.


Truly 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 thls cabinet to an infinite variety of combinations of audio components. Carefully constructed with the finest of hard woods, the cabinet is superbly finished in Pecan, easily maintained to a high lustre. Overall size: 72W×180 $29 \% \mathrm{H}$. Shog. wt., 150 lbs.
20 H 3810wK
Net 229.95


# Deluxe Rockford Component Hi-Fi Furniture 

ALL ROCKFORD FURNITURE SHIPPEO FREIGHT COLLECT BY EXPRESS OR TRUCK FROM ROCKFORO, ILLINOIS. ALLOW 4 WEEKS FOR OE. LIVERY. NO C.D.O. OROERS.

## 20350

No Money Oown

(A) MODEL 220/280 3-PIECE CONTEMPDRARY ENSEMBLE

- Lift Top Gives Easy Access To All Components
(B) MODEL $920 / 980$ 3.PIECE MEOITERRANEAN ENSEMBLE

No Money Down

(A) 220/280 3-Piece Contemoorary Ensemble. Beautifulle hand crafted in genuine walnut. Ideal for the most elaborate H.Fi systems. Full lift top-sliding doors. Storage for up to 100 record albums. Tuner/amp. or receiver can be mounted up right or hor. izontally through finished front panel. Ample space for record changers, tape decks, etc. Size: Equip. Cab. overall $2944^{\prime \prime H} 441^{\prime \prime}$ Wx 197 月 $^{\prime \prime} \mathrm{D}$. Receiver compartment adjustable height $191 /{ }^{*} \mathbf{W} \times 16^{\prime \prime} \mathrm{H}$. Record changer compartment $61 / 2^{\prime \prime} \mathrm{D} \times 21^{\prime} \mathrm{W} \times 16^{\prime \prime} \mathrm{D}$. Size: Speaker cabinet overall $294 / 4 " H \times 21^{\prime}$ Wx193/9"D. Accommodates up to 15 speakers. Supplied with $12^{\prime \prime}$ adapter. Removable back. Fully insu. lated and scientifically designed for best performance. Total weight 234 lbs.
Model 220/280 3-Pc. Ensemble. $\$ 15$ Monthly 20 H $3001 \times \mathrm{Y}$

Net 288.50
Model 220 Equipment Cab. Only. Wt. 112 lbs. $\$ 9$ Monthiy 20 H $3004 X Y$

Net 174.50
Model 280 Spkr. Cab. Only. Wt., 61 Ibs. $\$ 5$ Monthly
$20 \mathrm{H} 3008 \times \mathrm{Y}$
(B) $920 / 980$ 3-Piece Mediterranean Ensemble. Old world craftsman ship in genuine Oak. Ample space for all the larger tuner/amps. or receivers; turntables, record changers and tape decks. Storage space for up to 100 record albums. Hinged doors with beautifully antiqued door pulls. Full lift top. Dim. Equip. Cab, overall: $301 / 2{ }^{\prime \prime} \mathrm{Hx}$ $45^{\prime \prime} \mathrm{Wx} 21^{\prime \prime D}$. Recelver Comp. $19^{\prime} \mathrm{W} \times 161 / 4^{\prime \prime} \mathrm{H}$. Adjustable, Receiver can be mounted vertically with controls under lift top or through finished front panel behind door. Record changer comp. $61 / 2^{\prime \prime} \mathrm{Hx}$ $231 / 2^{\prime \prime} W \times 21^{\prime \prime} D$. Dim.: speaker cab. overall $3012^{\prime \prime} \mathrm{H} \times 2312^{\prime} \mathrm{W} \times 21^{\prime \prime} \mathrm{D}$. Accommodates $15^{\prime \prime}$ speakers. Supplied with $12^{\prime \prime}$ adapter. Removable back. Fully insulated and scientifically designed for best per. formance. Total weight 239 lbs.
Model 920/980 3-Pc. Ensemble $\$ 17$ Monthly 20 H 3003XY

Net 328.50
Model 920 Equipment Cab. Only. Shog. wt., 125 Ibs. $\$ 14$ Monthly 20 H 3006 XY

### 199.50

Model 980 Speaker Cabinet only. Shpg. wt. 57 Ibs. $\$ 5$ monthly 20 H 3007 IY

MODEL $210 / 820$ MODERN 3-PIECE ENSEMBLE $208{ }^{50}$ Beautiful S-yling with Lift Top
Compact 3 piece ensemble. Handsomely crafted in genuine walnut An excellent choice to accommodate full size Hi.Fi components in a minimum of space. Record changer mounts under lift top. AcJustable height comp. 194/"Wx17"H. Receiver fits through front panel behind "lift and hide" door under changer compartment. Equipment cabinet overall dimensions: 294/4"Hx21"Wx193/"O. Speak. er cabinet dimensions a specifications same as supplied with $220 / 280$ ensemble. Total weight 186 tbs.
Model 210/280 3.Pc. Ensemble $\$ 15$ Monthly 20 H $3002 X Y$

Net 208.50
Model 210 Equip. Cab. Only. Wt., 64 lbs. $\$ 5$ Monthly 20 H 3005 KY

Net 86.50
Model 280 Speaker Cab. Only. Wt. 61 Ibs. $\$ 5$ Monthly $20 \mathrm{H} 3008 X \mathrm{Y}$

Net ea. 71.50


## Elegant Lafayette Criterion ${ }^{\circ}$ Hi-Fi Cabinetry



## The CRITERION III Equipment Cabinet

Classic simplicity and elegance together with truly functional design characterize this deluxe equipment cabinet. "Component Engineered" by Lafayette's audio experts to provide ample, convenient, well. ventilated accommodations for all of your components. When matched with its companion Criterion Ellptoflex speaker enclosure (described on right) it forms a complete music center and perfectly matched furniture ensemble. The construction and design reflect the quallty contalned In these units; cabinets employ rigid tongue and groove construction of $3 / 4^{\text {n }}$ woods with matched walnut veneers, inside as well as out. Bl-fold designed doors with functional brass square knobs. Four compartments provide space for housing turntable or changer, amplifier, tuner, etc., with room for record storage. Each upper compartment is $10 \mathrm{H} \times 203 / 4 \mathrm{~W} \times 161 / 2^{\prime \prime} \mathrm{D}_{\text {; }}$ each lower compartment is $121 / 2 \mathrm{H} \times 203 / 6 \mathrm{~W} \times 161 / 2 \mathrm{D}$. Beautiful oiled walnut finish. Overati Dimensions: $44 \mathrm{~W} \times 180 \times 3242 \mathrm{~W} \mathrm{H}$ including round tapered legs. Shpg. wt.. 70 tbs.

20 H 0141wX $\$ 5$ montniy
Net 99.95

## "THE CUBIST" RECORD STORAGE HASSACK



- Reversible Litt-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 upholstered black cushion on the reverse slde. Ample storage for 75 records. Equipped with hidden casters for easy mobility. Dimen. sions: $16^{\prime \prime} \times 16^{\prime \prime} \times 17^{\prime \prime}$. Shpg. wt., 30 lbs.
20 H 0207WX $\$ 5$ monthiy $\qquad$ Net 39.95


## The CRITERION III ${ }^{\circledR}$ Speaker Cabinet

The same graceful, timeless styling and fine construction as the CRITERION equipment cabinet, which It matches. Designed to accommodate any $12^{=}$speaker, this enclosure incorporates the Inner construction and acoustic principles of the famous Lafayette "Ellptoflex" enclosure. A specially designed elliptical port with diffracting ring broadens frequency response, increases transient response and ellminates cancellation effects between front and rear radiation. This results in low distortion, natural smoothness and unequaled performance in the low ranges. Construction of waln ut veneer on $3 / 4^{* \prime}$ wood. Smartiy styled solid walnut ribbed speaker fronts with matching grille cloth, and round tapered legs. Beautiful olled walnut veneer IInish. Overall Dimensions: $321 / 2 \mathrm{H} \times 18 \mathrm{x} \times 16^{\prime \prime} \mathrm{W}$. Shpg. wt., 50 lbs. 20 H 0142WX $\$ 5$ monthly $\qquad$ Net 64.95
COMPLETE CRITERION ENSEMBLE - Save $\$ \mathbf{2 0 . 0 0}$
Criterion III Equipment Cabinet and 2 Criterion III Speaker Cabinets. Shpg. wt. 130 Jbs.
20 H 014dwx Net 209.85

CONTEMPORARY ALL-PURPOSE RECORD CABINET


## - Stores Over 200 Records

- Modern Styling With Walnut Finish
versatife all-purpose cabinet, full $40^{\circ \prime}$ long with ample storage for over 200 records. Also has numerous other uses-holds hi-fi components, serves as liquor cabinet, bookcase or room divider, Expertly crafted and finlshed in rich walnut with plastic mar-proof top. Shipped knocked down. $40^{\prime \prime} \mathrm{L} \times 18^{\prime \prime} \mathrm{D} \times 28^{\circ} \mathrm{H}$. Shpg. wt., 27 lbs. 20 H 5soiwn


## HI-FI COMPONENT SHELF/CONSOLE

OILED<br>WALNUT FINISH<br><br>No Money Down<br>UNFINISHED<br>$34^{95}$<br>No Money Down

- Room For All Your Components
- Sturdy $3 / 4^{\prime \prime}$ Wood Non-Warp Construction
- Holds Over 150 Records
- An Attractive Addition To Any Home-Place Along A Wall Or Use As A Room Divider

The ideal answer to your Hi.Fi Stereo component placement problems-measures $62 \frac{1}{2}$ " long, yet holds over 150 records with more than enough room for your amplifler, turntable or record changer, tape deck and stereo speakers. Veneered rear panel, finished on both sides, permits its use as a room divider. Speaker compartments spaced to achieve proper separation for stereo. Shlpped knocked down-Assembles in minutes. Shpr, wt., $65^{\circ}$ lbs.
Diled Walnut Finish on Genulne Walnut Veneered Flake Core
$20 \mathrm{M} 0114 \mathrm{wX} \$ 5$ monthly
Net 59.95
20 H 0115 wX Unfinished Flake Board _ $\$ 5$ monthly _ Net 34.95


## NEW DELUXE UNIVERSAL HI-FI BASS REFLEX ENCLOSURE KITS

- easy to assemble
- $3 / 4$ " WHITE BIRCH
- PRECISION-CUT-FITS TOGETHER SMOOTHLY
- ideal for single wide RANGE, 2-WAY OR 3-WAY SPEAKER SYSTEMS


## - HIGH OR LOWBOY STYLE

All pieces of these carefully-designed, bass-reflex, high-fidelity speaker enclosures are accurately precut of $3 / 4^{\text {m }}$ plywood to precision-fit snugly together and eliminate all spurious resonances. Surface is of white birch 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 $15^{*}$ speaker plus adapter for $12^{\prime \prime}, 81 / 2^{\prime \prime}$ or $8^{\prime \prime}$ midrange, plus adapter for $5^{\circ}$ and a' blank-wood block if no mid. range speaker is used, cutout with adapter boards for 2 sizes of rectangular and 3 sizes of round compression horn tweeters 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) $27 / 1 / \mathrm{WW} \times$ $231 / 2 H \times 163 / 4{ }^{-} \mathrm{O}_{\text {; }}$ is land-type base is $23 / 4^{\prime \prime}$ high. Highboy has the same dimensions with height and width interchanged. Complete instructions, all parts, hardware and grille are included. Shpg. wt., 54 lbs. Unfinished Highboy II Enclosure Kit $20 \mathrm{H} 0146 \mathrm{WX} \$ 5$ monthly


## SRAFAYETTE <br> Easy-to-Assemble Kits <br> Enclosure Kits

## THE FAMOUS ELIPTOFLEX SPEAKER ENCLOSURE

In Ready-To-Finish, Easy to Assemble KIT FORM


- 3 Sides Prepared For Finishing


## FOR 12" SPEAKERS

- For Horizontal Placement
- Provides Optimum Performance Without Use of Expensive High Power Amplifiers

As Low As
$21^{95}$

## ASSEMBLE IT, FINISH IT



This is the same Lalayette Eliploflex Speaker Cabinet that has set a high standard of speaker enclosure excellenceavailable in ready-to-finish easy-to-assemble kit form. The easy-fo-follow instruction sheet, with large pictures, guide you step-by-step for easy assembling. When completely assembled and highlighted with your favorite finish-you'll 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 translent response. A specially engineered diffracting ring eliminates cancellation effects between front and rear radia.
tion. The "Eliptoflex" achieves a degree of natural smoothness, low distortion and rich robust bass. Due to its highly efficient design characteristics, costly high wattage ampli. fication is not required. The kit is available in either ready-to-finish birch or in ready-to-finish genuine walnut veneer. Assembled the "Eliptoflex" measures $14 \mathrm{H} \times 237 / \mathrm{W} \times 13 \%$." D. Shpg, wt. 24 lbs.

20 H Ollowx Ready-to-Finlsh Kit in Birch
Net 21.95
Ready-to-Finish Kit with Walnut Veneered Acoustically Correct Flake Core
20 H 0111WX
Net 25.95

## LAFAYETTE BASS REFLEX SPEAKER BOOKSHELF ENCLOSURE KIT



Not $1 / 2^{\prime \prime}$ But $3 / 4^{\prime \prime}$ Furniture Grade White Birch Plywood or Walnut Veneer on Flaked Core Plywood

$$
\text { As ono so } 12^{95}
$$

FOR $8^{\prime \prime}$ or 6" SPEAKERS

- Precision Cut-Fits Together Smoothly
- Adapts For 8 " or $6{ }^{\text { }}$ Speakers
- Easy To Follow Pictorial Instructions
- Versatile-Use As Floor or Bookshelf Enclosure

BUILD IT YOURSELF...Expensive woodworking equipment isn't needed-each cabinet component has been precision cut and fits together perfectly. There's nothing else to buy....acoustic padding, grill cloth and hard. ware are provided. Use any $8^{\circ \prime}$ or $6^{\prime \prime}$ speaker. the mounting board has been precut for $8^{\prime \prime}$ speakers and an adapter is supplied for $6^{\prime \prime}$ speakers.
Designed for horizontal placement in a bookshelf, along a wall, etc. Constructed of veneer on 3 sides with handsome picture frame molding. Dimensions: $23 \times 91 / 2 \times$ 11". Available in either birch or walnut unfinished veneer.

# Custom Hi-Fi Installation Accessories <br> tapered legs 

- Easy to attach
- Self-leveling guides
- Gives contemporary look

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 $1 / 4$ " In diameter at the lop with graceful taper to a brushed brass ferrule at the tip. They can be adjusted to straight or flared style.

| Ht. Stock No. | $\begin{aligned} & \text { shpe. } \\ & \text { wh. } \\ & \text { Lis. } \end{aligned}$ | Set of 4 Net | Ht. | Stoch No. | Shpg Wt. Lbs. | Set <br> of 4 <br> Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $4^{\prime \prime} 20$ H 3601 | 14/2 | 1.69 | $16^{\prime \prime}$ | 20 H 3606 | 34/4 | 2.99 |
| $6^{\prime \prime} 20$ H 3602 | 11/4 | 187 | 18" | 20 H 3607 | 4 | 3.23 |
| $8^{\prime \prime} 20 \mathrm{H} 3603$ | 21/2 | 2.10 |  | 20 H 3608 | 41/2 | 3.64 |
| $12^{\prime \prime} 20$ H 3604 | 21/2 | 2.48 | $28^{\prime \prime}$ | 20 H 3609 | 41/2 | 4.17 |
| $14^{\prime \prime} 20$ H 3605 | 31/4 | 2.75 |  |  |  |  |

## ROCK MAPLE Shelf Brackets

- Unlimited Decorator Arrangements
- Unyielding Cantilever Design

The easiest,quickest way to add sheives to any wall. Brackets and standards are of solid maple-steel reinforced. Will sup. port hundreds of pounds. Unique grip. ping method assures slip-proof. firm
 hold and perfect alignment. Simple to build with no holes to drill-just screw into place. Extremely versatile-build as high or as wide as you like. Periect for record storage-hi-fi installations-bookshelves-decorator display. Satin smooth-ready to finish.

| Stock No. | Description | Shog. WL. | Not Per Pair |
| :--- | :---: | :---: | :---: |
| 20 H 3616 | $8^{\prime \prime}$ bracket | $3 / / \mathrm{lb}$. | .50 |
| 20 H 3617 | $10^{\prime \prime}$ bracket | 1 lb. | 1.08 |
| 20 H 3618 | $12^{\prime \prime}$ bracket | $14 / 2 \mathrm{lbs}$. | 1.76 |
| 20 H 3619 | $14^{\prime \prime}$ bracket | 2 lbs. | 1.44 |
| 20 H 3620 | $1342^{\prime \prime}$ Standard | 2 lbs. | 1.17 |
| 20 H 3621 | $6^{\prime \prime}$ Standard | 8 oz. | .72 |

## DANISH WALNUT FINISHING KIT

 A professional wood finish. Ing kit. Ideal for the unfinished speaker enclosure kits listed in this catalog. Consists of $1 / 2$ pint stain, $1 / 4$ pint finlsh, cloth, steel wool. 2 pipe cleaners, and sandpaper. Will stain and finish ( 2 coats) approximately 50 sq. ft. Shpg. wt., 2 lbs 20 H 1401 Net 2.95

## SLIDE-OUT DRAWER FOR RECORD CHANGERS

Designed for custom installations of record changers in bookcases, cabinets, tables, etc. Made of durable plywood and equipped with heavy duty steel slides which operate smoothly
 and quletly on ball-bearings. Slides extend drawer up to $103 / 4$ " beyond edge of cabinet. Supplied with uncut blank top. Unfinished wood permits your painting to suit your own decor. Size: $153 / 6 \times 153 / 4 \times 31 / 2^{\prime \prime}$. 20 H 4101 Shpg. wt., 7 lbs.

## BALL BEARING HEAVY DUTY SLIDES

orawer slides made of 16 gauge steel. Supports 50 lbs. Ball bearing, double-extension type. drawer slides. Length $15^{\prime \prime}$. travel length 11 ", extended $22^{\circ}$. Shpg. wt. 5 lbs. extends to $22^{\prime \prime}$.
20 H 5202

## per pair Net 1.50

## LEVEL AND LEVELING SCREWS

 For stereo and mono Hi-ff systems. Prevents unneces.sary needle and record groove wear. Precision, circular bubble type level Indicator for accurate turntable levelling. Circular 4 way spirlt level mounts to top deck of turntable. Four adjustable leveling screws and $T$ nuis. Provides quich, easy adjustment. 24 H 8034 Shpg. Wt., 6 oz .


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 ptan to change blank walls to functional and attractive wall shelf arrangements. Easily changed and enlarged. Brackets and standards are arodized aluminum in finishes that will never tarnish, rust or corrode. Available in Walnut, Gold and Natural Sllver.

WALL STANDARDS-MOUNTING STRIPS

| tength | $\begin{aligned} & \text { Wt. } \\ & \mathbf{O r}_{2} . \end{aligned}$ | Natural Stock Mo, | Net <br> Ea. | Walnut Stock No. | Cold Stock Ho. | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 ft . | 6 | 20 H 2500 | . 60 | 20 H 2503 | 20 H 2506 | 60 |
| 3 ft . | 8 | 20 H 2501 | . 90 | 20 H 2504 | 20 H 2507 | . 90 |
| 4 ft . | 12 | 20 H 2502W | 1.20 | 20 H 2505 W | 20 H 2508w | 1.20 |
| SHELF 8RACKETS-SUPPORTS |  |  |  |  |  |  |
| 8 ln. | 3 | 20 H 2509 | . 54 | 20 H 2513 | 20 H 2517 | . 54 |
| $12 \mathrm{in}$. | 4 | 20 H 2510 | . 60 | 20 H 2514 | 20 H 2518 | . 60 |
| 16 in . | 6 | 20 H 2511 | . 71 | 20 H 2515 | 20 H 2519 | . 71 |

## FINE FURNITURE FINISHED SHELVES

Smart Danish walnut finish decorator shelves for custom assemblies, utilizing shelf hardware. All six sides squared and finished.

| Stock Mo. | Length | Width | Shyg. Wt | Net |
| :---: | :---: | :---: | :---: | :---: |
| 20 H 2521 | 24* | $8{ }^{\prime \prime}$ | $31 / 2 \mathrm{lbs}$. | 2.80 |
| 20 H 2522 | 36 " | 8' | $51 / 2 \mathrm{lbs}$. | 3.75 |
| 20 H 2523 | 36* | 12" | $81 / 2 \mathrm{lbs}$. | 5.20 |
| 20 H 2524 W | $48^{*}$ | 8' | $71 / 2 \mathrm{lbs}$. | 4.49 |
| 20 H 2525 W | 72" | 8" | 11 lbs. | 7.12 |



Handsome oiled walnut veneer shelf. $16^{\circ \prime \prime}$ wide $\times 36^{\prime \prime}$ long, designed to hold turntables. TV or other large units. Optional $15^{\circ}$ walnut finished hardwood brackets permit a floating shelf arrangement. May also be mounted with heavy duty $16^{\prime \prime}$ brackets and standards. Shelf $16^{\prime \prime} \times 36^{\prime \prime}$. Shpr. Wt., 12 lbs.
20 H 2400
Net 8.95
15 " Wood Brackets with mounting screws. Shpg. Wt., $11 / 2$ tbs.
20 H 2401

## PRE-FAB WOOD DRAWERS

Attach easily to underside of shelf. kitchen cabinet. workbench. desk, etc. Ideal for general storage of small Items. Orawer fronts of selected hardwoods. sanded smooth-15" face width and $2^{33} 4^{4 \prime}$ drawer height. Complete with slldes, screws;
 factory assembled.

| Stock No. | Depth Overall | Shpg. Wt. | Net |
| :---: | :---: | :---: | :---: |
| 20 H 1310 | 8"' | 2 lbs. 200. | 2.70 |
| 20 H 1311 | 10" | 2 lbs. 602. | 2.93 |
| 20 H 1312 | 12"' | 2 lbs. 802. | 3.60 |
| 20 H 1313 | 14** | 2 lbs .10 oz . | 3.95 |
| 20 H 3629 | 16" | 2 lbs .14 oz . | 4.50 |

## 12" LAZY SUSAN BEARING

- Compact-Interlocked Unit
- Uses 140 Ball Bearings
- Make Turntables of all Kinds

Unitmited 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 stabillty for the larger items such as TV sets, tables, etc. Can also be used for corner cabinet shelves-book stands-coffee tables-storage. etc. Attaches easily to first and second surface. One unlt constructionno loose parts. Center opening allows for center post. 6\%" I.D. Shpg. wt. 2 lbs.
20 H 4403
Net 3.10

$1+1+111$
1111
1111

## ACOUSTONE GRILLE CLOTH

Choice 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. wt., ( $36^{\circ} \times 36^{\prime \prime}$ ) 8 oz. $\left(18^{\prime \prime} \times 24^{\prime \prime}\right) 502$.

## Description

Mahogany background with ivory thread
Medium beige background with walnut
Fine gold mesh
Black background with gold cobweb
Mahogany background with gold cobweb
Walnut background with goid stripe
Black background with metalic gold sparkle thread
Brown and gold background with overall white nub
White background with ecru and metallic gold thread
Tan Box with varied white and metallic gold thread

## FREE SAMPLE SWATCHES

## Brown background with natural cane crisscross lattic Hexacon cane with white and metallic gold thread Small diamond with walnut, beige and metalic gold thread <br> 

Supplied free. Just specify stock number below for assortment 20 H 1201

| For Use With | Fig. | $36 \times 36$ No. | Net | $\begin{aligned} & 18 \times 24 \\ & \text { No. } \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Mahogany | A | 20 H 1202 | 2.39 | 20 H 1203 | 1.25 |
| Walnut. | B | 20 H 1239 | 2.39 | 20 H 1240 | 1.25 |
| All Colors | C | 20 H 1212 | 2.39 | 20 H 1220 | 5 |
| Ebony. | E | 20 H 1213 | 3.75 | 20 H 1221 | 1.25 |
| Mahogany | F | 20 H 1214 | 3.75 | 20 H 1222 | . 25 |
| Walnut | G | 20 H 1215 | 3.75 | 20 H 1223 | 1.25 |
| All colors | 0 | 20 H 1227 | 3.75 | 20 H 1228 | 1.25 |
| Walnut | J | 20 H 1229 | 3.75 | 20 H 1230 | 1.25 |
| Walnut | K | 20 H 1231 | 3.75 | 20 H 1232 | 1.25 |
| All colors | L | 20 H 1235 | 3.75 | 20 H 1236 | 1.25 |


| 20 | $H$ | 1216 | 2.85 | $20 H 1224$ |
| :--- | :--- | :--- | :--- | :--- |
| 20 | $H$ | 1233 | 3.75 | 20 |
| H | 1234 | 1.25 |  |  |
| 20 | $H$ | 1237 | 3.75 | 20 |
|  |  |  | 1238 | 1.25 |

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 H 5001 Size $12 \times 18^{\prime \prime}$
Shpg. Wt., 2 lbs.
20 H 5002 Size $18 \times 24$,
Shpg. wt., 3 lbs.
TUFFLEX INSULATION
As Low As
$39^{\circ}$

Sound absorbing insulating material. Excellent for use In lining speaker cabinets, radiophonograph consoles, etc. Supplied in $1^{\prime \prime}$ thick, $12^{\prime \prime} \times 18^{\circ}$ sheets. Shpg. wt., 10 oz . 20 H 4501
Same as above, but 9 square feet in one piece $3^{\prime} \times 3^{\prime}$. Shpg. wt., $21 / 2 \mathrm{lbs}$
20 H 4000
Net 1.89


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 cps. Easily applied in Just 15 minutes. One three-bottle kit contains enough material for four $8^{\prime \prime}$ speakers. Complete with instructions. Shpg. wt., 802
14 H 5501
Net 1.98
PANDAMUS
GRILLE
CLOTH

155
Wal. Friwd., Bind. H
All colors.
Walnut

## SPEAKER REDUCING BOARDS



Enables mounting of smalter speakers in oversize enclosures. Boards are sturdy $5 / 8$ " plywood, precut to exact size. All mounting holes are drilled. Brown stained.
20 H 3101 Wt., 1 lb
Net .89 Adapts $8^{\prime \prime}$ speakers to $12^{\prime \prime}$ speaker cabinet or baffie.
20 H 3102 Wt., 1 1/2 lbs._................ 1.25 Adapts $12^{\prime \prime}$ speaker to $15^{\prime \prime}$ speaker cabinet or baffle.

DELUXE SET OF AUDIO SHOCK MOUNTS Only


- Eliminates Vibration For-

Changer, Turntable, Amplifier, Receiver, Tuner
Set of four scientifically designed insulators fit under any hi-fi component. These unlis "soak-up" Internal and extemal vibrations and help you to avold needle jump, motor vibrations, such as turntable rumbie effects and co-vibration of tubes and speakers. $2^{*}$ diameter. imported.
99 H 0125 Shpg. Wt., $1 / 2 \mathrm{lb}$.
Net 1.95

## HI-FI DECALS

- Give Installations that Professional Look


Versatlle hi-fi decal set. Permits identification of every part of your hi-fl system. Easliy applied to cabinet, chassis, swifches, etc. Shpg. wt., 4 oz .
13 H 611 $\qquad$ Net 1.10

## STEREO LEVEL

 BALANCE
## CONTROL

- Dual Concentric 8 ohm L Pads - Logarithmic Curve

Provides individual level 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 $21 / 0^{\prime \prime}$ across; overall depth $34 / 4^{\prime \prime}$. Imported. Shps. wt., 10 oz.

## 99 H 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 $L$ pads. Use it to control volume on a second set of speakers. Plate is $4 \frac{1 / 2 \times 21 / 4 " \text { ": }}{}$; from front of knoh to plate $1^{\prime \prime}$; Overall depths $33 \mathbf{H}^{\prime \prime}$. Imported. Shpg. wt., 1 th.
99 H 6141 Deluxe Level Control .... Net 3.95


## LAFAYETTE L PADS <br> L pads for use as "bril. Hance" controls to vary iweeter level, or as "presence" controls to vary midrange speaker level. Both wire-wound <br>  elements are concentrically mounted with-

 in one plastic housing. With gold-finished metal escuicheon plate, mtg screws, and attractive black knob. Size: 1K0 dia., $7 / 0^{\prime \prime}$ deep (less shaft), $21 / 2^{\prime \prime}$ deep overall. Imported. ShpR. wt., 6 oz.oad for 8 ohm circuits
99 H 6134
Net 1.39
$L$ pad for 16 ohm circuits
99 H 6135
Net 1.39

## LAFAYETTE T PADS

T Pads Constant impedance control to adjust speaker volume. With brass satin plate for wall mounting. With all parts and instructions. Imported. Shpg. wt., 1002. 8 ohm T Pad
99 H 8136
Net 4.49

## LAFAYETTE REMOTE SPEAKER FADERS

## 694

Remote Speaker Fader
Provides adiust. able volume level for Radio. IV. 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. Imported. Shpr. wt.. 602.

## 99 H 6138

Net .69
Remote speaker Fader. Same as above except for wall mounting. Imported. Shps. wt., 602.

99 H 6139
Net .89

MULTI-INPUT SELECTOR CONTROL

## 76

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 auriliary. Unit is completely shielded to prevent hum. Comes complete with all necessary mounting hardware and 5 input phono jacks and one output phone Jack. An inexpensive addition to any multl-component svstem. Imported. Shpg. wt., 1 lb . 99 H 1029

Net 1.76
LAFAYETTE VC-64 STEREO LEVEL CONTROL


- Logarithmic Curve
Two precision 8-ohm level controls concentrically mounted for stereo. Ideal for conIrolling individual volume contral of stereo extension speakers witheut 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 $3 \mathrm{~K}_{0} \mathrm{H} \times 41 / 2 \mathrm{~W} \times 2 \mathrm{~K} / \mathrm{MO}$. Imported. Shpg. wt., $11 / 2$ Ibs.
99 H 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 switch for multlole-speaker Stereo Hi-FI. Selects 3 sets of speakers in any combination. with up to 60 watts of audio power. Mounted on an attractive, gold-finished, steel. electric outlet plate. $2^{3 / 4} \times 41 / 2^{\prime \prime}$ Imported. Shps. wt., 1 lb .
Stereo Speaker Selector Switch
99 H 0098
Net 1.59
(Fir. B) As above in enclosed case 2 Hx 4 Wx $3^{\circ} \mathrm{O}$.
99 H 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 shlelded. Designed for use in unbalanced stereo channels; use In pairs for dual stereo channel control. Imported. Shpg. wt., 6 oz .
99 H 0099
Net 1.19

Speaker selector switch for solld state stereo systems. Allows choice of one three pairs of speakers. Similar in appearance to stereo selector switches below. High quality, nonshorting contacts capabie of handling up to 60 watts audio. Imported. 1 tb .
Wall Box Selector.
39 H 0174
Net 1.59
Enclosed Case Selector.
H 0175 Net 2.
LAFAYETTE MULTIPLE
6 SPEAKER SWITCHES


- Recommended only for Hi-Fi Systems Using Vacuum Tube Circuitry
Multiole Speaker Switch Constant impedance device for controlling any 6 remote speakers; up to 63 different combinations. Wall mounting with brass plate. With instructions and hardware. Shpg. wt., 1002.
99 H 0054 Imported. Fig. A .......... Net 2.10 Multiple Speaker Switch Identical to above but mounted on flat, gold-embossed plate for mounting on flat panel. $31 / 2 \times 25 / \mathrm{s}^{\prime \prime}$ imporled. Shpg. wt., 10 oz .
99 H 0066 Fig. B
Net 1.19
LAFAYETTE REMOTE SPEAKER SWITCHES

(Fig. A).
Recommended only for Hi-Fi Systems Using Vacuum Tube Circuitpy
(Fig. A) Selects any one of 3, or any comoination of 2 or 3 speakers with up to 60 watts of audio power. A constant impedance device. On gold finished steel electric outlet plate with black and ivory knob. $21 / 4 \times 41 / 2^{\prime \prime}$. Imported. Shpg. wt., 1 lb.
99 H 0053
Net 1.19
(Fis. B) Same as above in enclosed case $31 / 4 x$ $41 / 2 \times 21 / 9^{\prime \prime}$
99 H 0083 Imported
Net 1.49
STEREO SPEAKER
WALL JACK KIT


## 994



A handsome ivory-finish wall stereo jack kit designed to be mounted in a standard outlet box. Ideal for remote amplifiers or for added stereo pleasure in the den, play room, etc. Contains two standard $1 / 4^{\prime \prime}$ phone plugs and two standard $1 / 4$ " phone jacks. Size: 4 K/ $\times 2{ }^{11 / 6 " .} 1^{\prime \prime}$ back clearance required. Imported
99 H 0136 Shpa. wt.. 1/2 Ib.
Net .99


# Cut ${ }^{51000}$ 

Now only $59^{95}$

Less Case

No Money Down

## EASY TO BUILD-OUTSTANDING HI-FI PERFORMANCE



Forty-five watts of beautiful stereo for only a few evenings of pleasurable, interesting, and educational kit building! Spacious comDonent layout and a foolproof instruction manual enable anyone to put together this fine piece of stereo equipment. In addition, the $K T-645$ is so flexible - it offers virtually every control needed in the modern stereo system. Features instant selection of any one of 3 program sources, dual preamps for low level phono inputsRIAA equalized for that response, handy front panel. Soeaker Phase/AC of switch for proper phase selection without disconnecting speaker cables. concentric volume control for independent or simultaneous level adjustment of both channels, new rocker-type front panel switches for loudness and right and left amplifier modes front panel stereo headphone jack, and red AC indicator light. To complement the superior electrical specifications is an attractive brushed aluminum gold anodized extruded front panel with matching gold knobs. Size; $143 / 6 \mathrm{~W} \times 123 \mathrm{~h} 0 \times 5 \mathrm{4} / \mathrm{m}^{\prime \prime} \mathrm{H}$., overall. Less cabinet. Shpg. wt., 24 ibs.
21 H 0945wX $\$ 5$ monthily
….. Net 59.95
Brown metal case for KT-645
21 H 0946W
Net 4.95

[^9]

## SPECIFICATIONS

Rated Power Output: IHFM 45 watts, $221 / 2$ watts per channel $\mathrm{I}_{\mathrm{i}}$ Inputs: Aux. Tuner, Ceramic Phono, Magnetic Phono, and Tape out: Sensitivity: Phono (magnetic): 3 mv . for rated output per channel, high level inputs: . 4 v . for rated output per channel. Frequency Response: $10-25,000 \pm 1 / 2 \mathrm{db}$ at 1 watt; Harmonic Distortion: less than $.15 \%$ at normal listening level at 1 KC : IM Oistortion: less than $3 \%$ Hum and Noise, high level inputss 70 db below rated output per channel, Phono- 50 do below rated output per channel; Channel Separation: greater than 50 db at 1 KC ; Treble Control: $1212 / 2 \mathrm{db}$ boost or cut at 10 KC : Bass Control: $151 / 2 \mathrm{db}$ boost or cut at 50 cps : Output Impedance: 8 and 16 ohms; Tube Complement: 4-EL84, 2-7199, 3-12AX7, 2 silicon diodes; Power Requirements; 180 watts, $110-125 \mathrm{~V}$, $50-60$ cycle $A C_{\text {; }}$ Size: $14^{3 / 6 W \times 123} 6 \times 51 / 4 \cdots$. overall.


# 30-Watt Stereo HI-FI Amplifier Kit <br> Amplifier Kit 

## $44^{95}$

Less Cabinet
No Money Down
Made in U.S.A

Model KT-630

## Simple, Step-by-Step Instructions Assure Quality Results for Even the Novice Kit Builder



FRONT PANEL CONTROLS
1 Selector: Aux, Tuner, Phono
2 Bass Control
3 Treble and AC Off Controf
4 Concentric L/R Volume-8alance
5 Loudness On/Off Slide Switch
6 Right Amplifier Mode Selector Slide Switch
7 Left Amplifier Mode Selector Slide Świtch
B AC Indicator Light

## SPECIFICATIONS

Input Jacks: Magnetic phono, Ceramic phono, Auxiliary, and Tuner; AC Convenience outlet on rear; Rated Power Output: Total 25 watts RMS, $121 / 2$ watts RMS per channel; IHFM 30 watts, 15 watts per channel; Sensitivity: Phono (magnetic): 2 mv ; Phono (ceramic) 70 mv ; Tuner and Aux. .65 velt; Fre. quency Response: $20-60,000 \mathrm{cps} . \pm 1.5 \mathrm{db}$ at 1 watt; Har. monic Oistortion: $1 \%$ at $12 \frac{1}{2}$ watts RMS per channel; Hum and Noise: Aur, and Tuner- 72 db below rated output, Phono - 50 db below rated output; Tone Controls: Bass-at 50 cps 20 db overall, Treble 5 db of boost or 7 db cut al 10.000 cps; Loudness Control +8 db at 50 cps ; Crosstalk Between Channels: 50 db at 1 KC ; Output Impedance: $4,8,15$ ohms; Tube Complement: 2-ECC83/12AX7, 4-ECL82/68M8, 1-E281/ 6CA4; Power Requirements: $110-125$ V, $50 / 60$ cycles AC; Size: $125 /$ B W $^{2} 11^{5 / 0} 0 \times 51 / 4$ " H , overall.



Anyone can build this superb Lafayette stereo amolifier - no special skill is needed. The assembly manual contains clearly worded, step-by-step instructions which guide you all the way. Even soldering techniques are explained! Large full-scale pictorials Hlustrate every stage of assembly - show you exactly where each part goes. Join the thousands who have already discovered this easy, fow-cost way of owning the finest audio equipment. Enjoy exciting, wide.range stereo reproduction anywhere in your home or office. In fact, building the KT-630 is an excellent start toward the ultimate goal of a complete stereo system. The KT-630 features built-in equalized preamplifiers. $D C$ on the filaments in the preamp stage to minimize hum and noise, and 4 pairs of stereo inputs magnetic and ceramic cartridge, tuner, and auxiliary. Also. the full 30 -watt output may be switched for monaural reproduction to either speaker by means of slide switches on the front panel. A red indicator light on the front panel Indicates when the ampllfier is in use. An AC receptacle on the chassis rear may be used to plug-in additional equipment such as a record changer or tuner. Concentric volume/balance control allows an infinite degree of channel balance and overall volume control. An attractively styled brushed aluminum gold anodized extruded front panel with match. ing gold knobs complements the superior electrical specifications. For 110 to 125 Volts, $50-60$ cycles $A C$; Size: $12 \% / \mathrm{W} \times 1150 \mathrm{Dx} 5 \mathrm{y} / \mathrm{m}^{\prime \mathrm{H}}$, overall. Less cabinet. Shpg. wt., 20 lbs. 21 H 0930wx $\$ 5$ monthly

Net 44.95
Brown metal case for KT-630. Shpg. wt., 4 lbs. 21 H 0931w

Net 3.95

## ASSURANCE OF COMPONENT QUALITY ONE YEAR PARTS GUARANTEE

All Components in this unit are conservatively engineered to operate well within their performance capabilities. As assurance of this quality, Lafayette will replace any parts, including tubes, which fail to perform properly due to defects of materlal or workmanship.

## LAFAYETTE 15 WATT MONAURAL HI-FI KIT



- Build Your Own Hi-Fi System and SAVE
- Easy-to-Build - All Parts, Wire, Solder, and Instructions Included
- Inputs for Magnetic or Ceramic Phono, AM/FM Tuner, and Auxiliary Equipment
- Frequency Response of 15-60,000 cps $\pm 2$ db at 1 Watt (Average Listening Level)
- Separate Bass and Treble Controls
- Attractive Two-Tone Gray Panel with Silver Trim

Shown in Optional case

Lafayette model KT-615 15 Watt Monaural Hi . Fi Amplifier Kit is designed to offer true high fidelity sound at a low, low price. Easy-to-build with simple wiring instructions - even the beginner can take advantage of the savings in building his own hi-fi system, All parts, wire, solder, and easy-to-follow instructions are included.
KT-615 offers versatility and flexibility. Three separate inputs: PHONO for either magnetic or ceramic cartridges, TUNER for AM-FM radio, and AUXILIARY for tape recorder, TV, étc. for a fully integrated hi-fi
ONLY

## $22^{95}$ <br> Made in U.S.A. <br> Less

system. 4, 8, and 16 ohm output terminals make it compatible with most popular hi-fi speaker systems. Separate bass and treble controls for fuli tonal quality. Push-pull ECL82 output stage for clean, wide response. Special Hum Balance control for minimum hum and noise. Internally fused for safety. Less case listed below. Size: $111 / 8 W \times 71 / 2 \mathrm{D} \times$ $41 / 2^{-H}$. Shpg. wt. 9 lbs.
19 H O912 KT-615 less case _.... Net 22.95
Attractive Gray Case for KT-615
19 H 0913 Shpg. wt., 2 lbs.
Net 3.95

## LAFAYETTE KT-92 5-WATT PUSH-PULL AMPLIFIER KIT



## LAFAYETTE "EXPLOR-AIR" ${ }^{\text {" }}$ 4-BAND RECEIVER KIT



Macle in U.S. A.
Lafayette's sensational shortwave receiver wit is a complete shortwave and standard broadcast set which covers the entire region from 550 kilocycles to 30 megacycles. Four whole bands of fascin. ating programming. Perfect for language students and shortwave listeners.
Only a regenerative circult can offer such amazing performance and yet be so simple to bulld. Building 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 giant 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

- 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 $4^{\prime \prime}$ Speaker

TUNE IN THE WORLD!

greater accuracy. Complete 4 band coverage of broadcast stations. international broadcast bands, amateur, maritime, and WWV time signals. Big $4^{\prime \prime}$ speaker and sensitive circuit with 50C5 output stage and 12 AT7 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 Regeneration. 110 volt $50-60$ cycle $A C-D C$ power supply. Size: $10 \times 7 \times 5^{\prime \prime}$.
is H 0905 (Less Cabinet) wt., 5 lbs. ................................. 22.95 Leatherette covered Wooden Cabinet for above. 1 ib.
19 H 0906

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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 "Breadboard" construction, each project can be simply wired and traced. After building the basic circuit, any of the 20 projects can be built by simply inserting a few preassembled component block's and interconnecting 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 instructions, large easy-to-read pictorial wiring diagrams, schematic diagrams, and an explanation of the circuit behavior. The kit is complete with perforated mounting board, 2 -transistors, 1 diode, earphone, and all other parts required for construction. The detailed 28 -page instruction manual contains a wealth of information about each project. Less batteries.
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2 bands cover both standard broadcast 540 1620 KC and shortwave 5.8-18 MC which includes international broadcast, 40 and 20. meter ham bands and some of the aeronautical and marine bands. Superheterodyne circuit has high gain IF's, built-in broadcast band loop antenna. Comes complete with Ivory cabinet $4^{\prime \prime}$ PM speaker, tubes I12BE 6 . 12BA6, 12AV6, 50C5, plus 35W4 Rectifier) and all parts. Easy to follow step-by-step instructions. Shortwave band requires external antenna (not supplied). Size: $83 / 4 \mathrm{Wx}$


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Treat yourself and your family to hours of fun with this Lafayette Kit. Make your own radio programs, announcements, etc., through AM radios anywhere in the house, without wires or extra gadgets. Designed for easy construction by youngsters or adults, it combines in one compact unit a powerful 3 -tube wireless broadcaster and an audio amplifier. Clearly written instruction manual makes it a cinch to bulld. Operates on any frequency between 900 and 1600 kilocycles on your radio dial. It will accept any crystal or magnetic microphone. In addlition, it may be used directly as a phono or microphone amplifier. No external preamp is required. Simple slide switch permits either form of operation. Just connect it to a PM speaker ( $\mathbf{4}-16$ ohms). Conforms to FCC regulations and is designed to provide high quality voice or record broadcasts. No license or permit is necessary. Complete with crystal clear instruction manual. Less Mike. For $105-125 \mathrm{~V}$ AC or DC. Attractively styled metal cabinet. Size $4 \mathrm{H} \times 8 \mathrm{~W} \times 4 \mathrm{H}_{\mathrm{m}}=\mathrm{D}$. ShDg. wt., 3 Ibs. 19 H 0903

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- Needs No Special High-Intensity Lights - Instantaneous Or Sustained Operation At The Flip Of A Switch!
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 countiess 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 AC and incorporates the efficient 5823 cold cathode tube. A simple change in wiring (in instructions), as well as convenient input terminals, enables you to supply the external circuit with any desired voltage. Relay contacts rated at 3 amps permitting up to 300 watts external Joad on 110 volts AC Complete with all parts, photocell, lube chassis, silkscreened external Joad on 110 Volts AC. Complete with all parts, photocell, tube chassis, silsscres.
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Replacement bulb for above. GE No. 1700. 32 H 6688

No. 1700 .

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A scientific instrument capable of producing 75,000 volts-makes sparks up to $2^{\prime \prime}$ longyet it is absolutely safe because the current is infinitesimal. The science-teacher-science lover-ar hobbyist can perform experiments to astound students-frlends-family. Makes smoke disappear-defy gravity-turns propellers af a distance-transforms atomic energy inta 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 glve years of beneficial service to the institution or individual who owns one. 110 V. AC . Imported.

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Assembled
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4 lbs.

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. Builds 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. Inciudes special elec. tronic 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: $213 / 4$ $107 / 8 \times 13 / 4^{\prime \prime}$. Imported. Shpg. wt., 6 lbs.
19 H 6302 less batteries
Net 29.95
ove ( 6 required) ...............Net ea. . 10


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A fully transistorized olrectional megaphone at Lafayette's low price. Lightweight, it carries your voice over 100 yards or above noise. Just press the trigger and talk. Features variable volume control and carrying strap. Uses 4 -standard " $D$ " cells (not supplied with unit). $11^{\prime \prime}$ long. Shpg, wt., 3 lbs. 44 H 1509

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This radlo covers the standard broadcast band from 580 to 1650 Kc . and a shortwave band from 3 to 13 Mc. Modern circultry with enough audio to drive a built. In $32 / 2$ inch speaker. Be rewarded with the satisfaction of having bulit a radio which will actually pull in standard broadcast. amateur and other shortwave stations. Includes punched chassis, grey hammertone panel, $3 \frac{1}{2}$ " speaker, pictorial and schematic diagrams, and easy-to-follow instructions. Complete with all hardware: less solder, wire and fubes. Tubes required: 1-35W4,1-50C5 and 1-12AU6. For $105-125$ volts, AC or OC. Shpg. wt., 4 lbs. 19 H SBOI MOOEL 7001 CR .

- 3 Tubes Including Rectifier
- 2 Bands
$550 \cdot 1650 \mathrm{KC}, 3-13 \mathrm{MC}$


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Net 5.95 99 H 6258 Net .10 1.5V Penlight Battery (1 req.) MOD-U-KIT 5 WATT UNIVERSAL AMPLIFIER KIT Learn basic solid state amplifier cir-
 5 pose 5 watt amplifier. Excellent as a portable amplifier, guitar ampll. fler. 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 pick-up device, lie. phono cartridge, tuner, etc.; will work with any 3 ohm to 16 ohm PM speakers. $3^{\prime \prime} \times 2^{\prime \prime} \times 11 / 0^{\prime \prime}$. Shpg. wt., 1 lo.
19 H 7001
Net 5.95
MOD-U-KIT TV-FM BOOSTER KIT


- For Color, Black and White TV and FM

An interesting useful kit that will give a signal boost of 10 db when assembled properly. Will also help color reception on indoor antennas. Complete with matehing colls, printed circult board, all parts, plastle case and instructions. $4^{\prime \prime} \times 3^{n} \times$ 11/2". Shpg. wt., 1 lb. 19 H 7005

Net 9.95

## 8.WATT STEREO AMPLIFIER MODULE



## $14^{95}$

A complete 4 control, 8 transistor stereo amplifier which provides 4 watts RMS per channel; 8 watts continuous power tota! output! The four controls allow separate volume, balance, bass and treble adjustments. The direct coupled complementary symmetry circult glves a true Hi-fl response of 45 cps to $20 \mathrm{Kc} @-3 \mathrm{db}$. 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 tog performance. The amplifier includes power supply components ( 2 diodes, 1 filter capacitor) except the power transformer, Dimensions: $71 / 2^{\prime \prime} L \times 11 / 2^{\prime \prime W} \times 342^{\prime 0}$. Shpg. wt. 2 lbs. I9 H 0914


COMPLETE WITH 24 PAGE INSTRUCTION BOOKLET and alarm signals. 19 H 0108

## LAFAYETTE SOLID STATE MODULES

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Creates a penetrating bellow on land and sea. Can also be used to produce warning

ELECTRONIC TIMER MODULE
Produces a controlled delay perlod varying from 1 second to 3 minutes. Gives time to get into house from garage, etc.
19 H 0121

Net 3.98

Net 3.50
An alarm at the touch of the hand! The Proximity Switch kit when properly built 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 soecial transformer and AC supply. Touching a door knob or other chosen part switches clrcuit on! $4^{\prime \prime} x$ $3^{\prime \prime} \times 17 / 8^{\prime \prime}$. Shpg. wt., 1 lb. is H 7004 . Shps.

## MOD-U-KIT AM RECEIVER TUNER RADIO KIT



$4^{95}$
Learn as you bulld this fun-giving AM broadcast radio. Ingenious solid state receiver circuitry uses a novel 2 transistor audio-reflex circuit with diode detection. Glves high gain at very low current drain. Complete with all parts, case earphone and instructions. $3^{\prime \prime} \times 2^{\prime \prime} \times 14^{\prime \prime}$. Re quires 9 -volt battery, Shpg. wt., 1 lb . 19 H 1002

Net 4.95
MOD.U-KIT MOTOR SPEED CONTROL

\& LIGHT DIMMER KIT


95
Well designed circuit with especially useful applications. Controls speed of power tools, dims lights for TV viewing and dims night lights, adjusts speed of appliances for efficlency and safety. 3 Amp fuse assures safety. With all parts, case, power cord, and instructions. $3^{\omega} x$ $2^{\prime \prime} \times 11 / 4^{* \prime}$. Shpg. wt., 1 lb . is H 7006

## 20 WATT STEREO AMPLIFIER MODULE <br> $21^{95}$

This especially fine transistor stereo amplifler delivers 10 watts per channel continuous power (RMS) into any 8 ohm speaker. The separate bass and treble controls allow 20 db adjustment at 100 cps and 10 Kc . The dual volume control allows simultaneous increase in volume of both channels, while the balance control allows com. pensation for program variations. The low noise preamp stage provides a sensitivity of 0.5 volts for use with a ceramic phono cartridge or a AM/FM tuner. The direct coupled complementary symmetry circult gives a Mi-Fi frequency response of 30 cps to $40 \mathrm{Kc} @ 3 \mathrm{db}$. Includes the power supply components except a power transformer. Size: $736^{\prime \prime} \times 15 / 6^{\prime \prime} \times 47 / 4^{\prime \prime}$ 。
19 H 0995 Shpg. wt., 2 ibs.
Net 21.95
Same model as above but on two separate printed circuit boards for compact mounting. Control strip size: $75 / 8^{\prime \times} \times 1 / 22^{\prime \prime} \times 17 / \mathrm{g}^{\prime \prime}$. Power

19 H 0916 Shpg. wt., 2 lbs.
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## STROBOSCOPE MODULE

Observe objects rapidly turning, vibrating or moving from 5 to several thousand revofutions per minute as if they were standing still.
19 H 0104 Net 3.50
WIRELESS BABY NURSE MODULE
Permits monitoring baby's sounds while asleep or in playpen through nearest AM radio without wire connections
19 H 0120

# New! LAFAYETTE Solid State Modules For hoobyists, Expermmenter and kit bulloers <br> conturase <br> - All Solid State <br> - Fully and Permanently Encapsulated 

- Completely Wired
- $13 / 4^{\prime \prime} \mathrm{L} \times 11 / 8^{\prime W} \mathrm{~W}$
- Pre-Tested for Performance
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simple connections to accessories such as batteries, speaker, etc. you create an enjoyable and practical device. Every module is carefully checked for rellable performance. Supplied complete with instructions and parts list. Shpg. wt., 80 oz .

Lafayette semiconductor modules are especially designed for many educational, enjoyable, and useful projects. Each $17 / 4$ " $\mathrm{L} \times 13$ e"W permanent module encapsulates the complete solid state circult required for each project, less accessories. With a few additional

ELECTRONIC SIREN MODULE
Complete solid state electronic circuitry ready for immediate use as a modern effi. cient 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 wall. Use with: $A$, $H_{1} 1,1$.
19 H 55D5
Net 2.98
BURGLAR ALARM MODULE WITH SIREN ALARM Protect your home, car, boat, garage, etc., with this efficient burglar alarm module. Complete electronic circuitry with a built-in electronic high volume upward screaming siren as the alarm sounds. Use with: $A$, $\mathrm{H}, \mathrm{I}, \mathrm{K}$.
$H_{1}, K_{0}$
H 5506
Net 2.98

## ELECTRONIC LATCHING RELAY MODULE

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 $1 / 2 \mathrm{amp}$. 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 H 5507

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Net 2.98
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Electrify your gultar with this guitar amplifier module. Complete solld state circuitry ready for Immediate use as a sensitive and efficient guitar amplfier. Use with: $A, G$, M, Y, DO $\qquad$ Net 2.98

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Complete solid state circuitry 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 small gatherings and business meeting. Use with: A, G, O or P, Y, DD. 19 H 5511

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Compact module with complete solid state circultry for use as a telephone amplifier. permits group and conference listening to any phone conversation. Use with: $\mathrm{A}, \mathrm{H}$, Q Y, DD.
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Net 2.98

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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.
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Effectively increases CB modulation for more dependable communications. More than doubles the sensitivity and output of your microphone when powered by a $11 / 2$ volt battery. Use with: B, C, W, AA.
Use with:
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Add Gultar Tremolo To Any Guitar. Provides your guitar with a tremolo sound effect when connected between guitar pick-up microphone and guitar amplifler. Tremolo depth is preset to ideal level and tremolo freis preset to ideal may be varied for about 4 to 15 cycles per second. Use with: D, E, Vet 2.98
19 H 5516 BIRD CALL MODULE
Bird Call simulator
Complete electronic circultry ready for immediate use for electronically reproducing bird calls. Capable of simulating the songs of canarles, parakeets, and other exolic warbling birds. Use with: B, C, F, I.
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Net 2.98

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This battery phono amplifier module is ready for use as a modern efficlent phonograph amplifier. It will drive any 8 ohm speaker at more than sufficient volume for average Ilstening. Use with: $\mathrm{A}, \mathrm{G}, \mathrm{Y}, \mathrm{DD}$.
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For Auto Road Warning Lights, 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.
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An excellent aid for keeping proper beat in music and dancing. Capable of reproducing beats at varying frequencies ranging from 40 cycles to over 300 cycles per minute. Use with: A, H, I, Z, DD.
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WIRELESS TELEPHONE AMPLIFIER MDDULE Ampilfies and transmits both sides of a tele. phone conversation into any AM broadcast band radio without interconnecting cables. Permits remote listening. Meets FCC regulations. Requires no license or registration. Use with: D, E, Q, BB. 19 H 5521

Net 2.98

## AM WIRELESS MICROPHDNE MDDULE

Transmit from your high impedance microphone (crystal, ceramic, high impedance dynamic) into any AM broadcast band radio In your home. Meets FCC regulations. No license or registration is required. Use with: D, E, 0 or P, BB.
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Net 2.98
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Broadcast Code Into Any AM Radio
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Net 2.98
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Transmits music, etc., over moderate dis. tances within a home, from the crystal or ceramic tone arm cartridge of a phonograph into any AM broadcast band radio. Meets FCC regulations. No license or registration regd. Use with D, E, X, B8.
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| B. 99 H 6256 | . 15 | Battery, $11 / 2$ volt "D" | Q. 99 H 1034 | 1.49 | Telephone Pjckup Coll |
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| D. 99 H 6021 | . 21 | Battery, 9 volt | S. $\quad 32 \mathrm{H} 6619$ | . 15 | \#47 Pilot Light Bulb |
| E. 99 H 6287 | . 29 | Cllps for D | T. 32 H2805 | . 30 | Socket for \$ 47 Bulb |
| F. 99 H 6032 | . .99 | Speaker, PM, 8 ohm, $3^{\prime \prime}$ | U. 32 H7363 | .69 1.02 | Potentiometer, $5,000 \mathrm{hm} /$ SPST Switch Polentiometer, 250000 hm |
| G. 44 H 0103 | 3.95 | Speaker, PM, 8 ohm, $8^{*}$ | V. 33 H 1131 | 1.02 .69 | Potentiometer, 25,000 Ohm <br> Potentiometer, $1 / 2$ Megohm with Switch |
| H. 32 H 2205 | 2.75 .22 | Speaker, PM, 8 ohm, $6^{\prime \prime}$ Switch, SPSt, On-0ff | W. 32 H 7368 X. Y | . 69 | Potentiometer, $1 / 2$ Megohm with Switch Potentiometer, 1 Merohm |
| J. 99 H 6150 J. 99 H 6218 | . 22 | Switch, SPSt, Push-Button, Momentary, NO. | Y. 32 H 7287 | . 49 | Potentiometer, 1 Megohm with Switch |
| K. 34 H 6002 | . 54 | Switch, SPST, Momentary, NC | 2. 33 H 1155 | 1.02 | Potentiometer, 2 Megohm |
| L. 99 H6158 | . 85 | Switch, 4 PDT | AA. 32 H 1307 | . 90 | Microphone Cable, Shielded (Cut to 3 ft ) |
| M. 99 H 4575 | 1.95 | Microphone, Guitar Contact | B8. 32 H 3163 C | 40 | Wire, Antenna (Cut to less than 10 ft.) |
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| 0. 99 N 4510 | 1.95 | Steel String Guitars with F Hole Micropnone, Lapel Crystal | CC. 32 H2405 | .13 .13 | Knob, Miniature 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 amplifier on right, this amplifier employs 3 stages of audio driving a push-pull output stage. Power output is 360 mw , designed for speakers with a voice coll impedance of 8 -11 ohms. Low impedance input has sensitivity of 300 microvolts. Input transformer for matching high impedance to the amplifier input available as an accessory (see below). Comes with leads for low impedance input, speaker, volume control/ on-off switch. Battery cllps and leads supplied for 9 volt miniature battery (one required). Imported. Shpg. wt., 50 oz .
99 H 9037 Use with accessories: $A, D, K$ or $L$, and $M$. $\qquad$ Net 5.85

## 1-WATT 4-TRANSISTOR PUSH-PULL AUDIO



One of our most powerful miniature ampllifiers. It has many direct uses in audio frequency applications for tuners, test equipment, etc. Push-pull circult is very sensitive and has an output of 1-watt! Using only 4 transistors. It requires a 12 -volt source supplied by Standard ' $D$ ' cells in series. Outputs from record players with magnetic cartridge, lape heads, microphones, etc. (not exceeding 20 millivolts) can be connected directly. Migher output devices may be easily connected with a resistor in series. Components are neatly layed out on a printed circuit board with pre-drilled 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: $47 / 6 \mathrm{Lx} 1 \mathrm{t} / 2 \mathrm{H} \times 21 / /^{\prime} \mathrm{W}$. Imported. Shpg. wt., 12 ors.
99 H 9038 Use with accessories $B$ and C. $\qquad$ Net 6.95

## 4-TRANSISTOR SUBMINIATURE PUSH-PULL AUDIO AMPLIFIER



## - 100 MW. Output

A tiny, translstorized push-pull audio amplifler with a multitude of applications. Only $3^{\prime \prime} \times 1 \mathrm{Kc}^{\prime \prime} \times 11 / \mathbf{c o}^{",}$ it can be mounted inside other equipment to serve as a subminiature phono amplifier, tape recorder, amplifier, etc. Two stages of audio are followed by a push-pull output stage designed to deliver 100 mw to an $8-11 \mathrm{ohm}$ impedance. Low impedances input, with a sensitivity of 0.9 mv . Input transformer for matching high impedances to the amplifier available as an acces sory (see below). Includes leads for input, speaker, and volume control/on-off switch. Battery clips and leads supplied for 9 -volt miniature battery (one required). Imported. Shpg, wt., 502. 99 H 9042 Use with accessories: A, E, K or L, and M. __...... Net 4.95

## 3-TRANSISTOR SUBMINIATURE AUDIO AMPLIFIER



- Printed Circuit
- Complete with Transistors

Here is an amazing ilttle audio amplifier with a multitude of challenging applications; i.e., subminiature phono amplifier, tape recorder amplifier, hand-held public address amplifier, telephone pick-up amplifier. etc. Output sufficlent 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
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## ACCESSORIES FOR THE ABOVE AMPLIFIERS AND TUNER



# Accessories For Experimenter and Hobbyist 

# 1 WATT, 4 TRANSISTOR, DIRECT OUTPUT PUSH-PULL AUDIO AMPLIFIER 



$6^{95}$- 1 Watt Push-Pull Power Output - 4 Transistors Plus Thermistor - Completely Wired-Easy to Connect - Direct Output-8 and 16 Ohms Amazingly poweriul miniature solid state audio amplifier with many direct uses in audio frequency applications for tuners, test equipment, as a phono ampilifier, tape recorder amplifier, public address or telephone pick-up amplifier, etc. Push-pult circuit has 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 saeakers for minimum distortion. Can be readily mounted on chassis. Dimensions: $47 / 8 L \times 1 / 2 / 2 \mathrm{H} \times 2 \mathrm{y}_{4}{ }^{\prime}$ W. Shpg. Wt., 12 or. Imported. 99 H 9097 Use with accessories $\mathrm{A}, \mathrm{E}$, and K . $\qquad$ Net 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 palm of your hand and weighs less than 6 or! This versatile reneral pur. pose amplifier sultable for phono ampilifier, public address, intercom, monitor modulation, test equipment and a host of other uses. Sensi: tive 4 transistor push.pull circuitry has 3 watt output, requiring a 9 volt oC source. Frequency response 150.10 .000 cps ; input imped. ance 2,000 ohms: Dutput impedance 8 and 16 ohm termirations. components neatly laid out on printed circuit board with pre-drilled holes for horizontal or vertical mounting. Heat sink for power transistors. Dimensions: $34 \times 2 \mathrm{~K}_{6} \mathrm{~W} \times 1 \mathrm{~K}_{4}$ "H. Imported. Shpg. wt.. 9 oz. 99 H 9132 Use with accessories: D , and K .

N zt 7.95


- Complete 455 kc I.F. Ampllfier Module Plus Input Transformer Ideal for Transistorized AM Broadcast, Clizens Band and Marine Band Recelvers - Includes: 2 TransIstors, Ceramic Filter for Superior Selectivity, Diode-A Total of 21 printed circult components!
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 TUNER- 540 KC to 1600 KC - 4 TRANSFORMERS:


## Exceptional Superhet

## Sensitivity and Selectivity

A deluxe 3 -transistor subminiature AM broadcast tuner that features 3 dependable transistors, 3 IF plus 1 oscillator transformer, and ferrite antenna in an efficlent. completely wired superheterodyne circult on a sturdy printed-circuit board.
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99 H 9040
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## 5.WATT STEREO AMPLIFIER PRINTED CIRCUIT BOARD



- $2^{1 / 2}$ Watts Per Channel
- 800 K Input Impedence
- 8 Ohm Output Impedance

- Requires 15 -volt DC Power Supply

Factory built, 5.watt, 10 transistor stereo amplifier! In prime apolication 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 circult 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. $51 / 6 \mathrm{~W} \times 11 / 4 \mathrm{H} \times 21 / 4 \sim \mathrm{D}$. Imported.
99 H 6285 Shpg. wt., $1 / 2 \mathrm{Hb}$.
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19 H 5418
HEP NO. 554 IC, Bias Driver. 19 N 5419
HEP NO. 556 IC, 3 Input Gate.
19 H 5420
Net 4.10

HEP NO. 558 IC, IK Flip-Flop.
Net 1.69
Net 2.99

## MOTOROLA HEP PROJECT MANUALS

HEP No. 400 -General Hobby/Experimenter Solid State Projects Manual. Highly educa tional solld state fundamentals derived from interesting projects; i.e.; Panic Button, Deluxe Code Practice Oscillator. Audio Generator. Min-Fi Transistor Amplifier. In. tercom System, Motor Speed Control and Six Meter Converter.
10 H 6401
Net .50
HEP No. 407 - Integrated Circuit Projects, interesting IC theory \& applications in such projects as Binary Computer, Organ, Square Wave Generator, Glidetone. Electronic String Guitar and Code Practice Oscillator.
10 N 6402
Net 1.00
HEP No. 408 - Field Effect Transistor Projects. Learn theory and applications of FET's. Interesting projects such as Vibrato. Audio Mixer. Timer. Crystal Oscitlator, Preamplifler and D.C. Voltmeter.
10 H 6403
Net 1.00

One "basic" and two "add-on" kits contaín most necessary compon. ents to build the four. teen different circults shown in the RCA Experimenter's manual. A few additional items such as resistors, condensers, chassis, efc. complete the projects. Circults include: Lamp Dimmer, motor speed control, electronic timer, time delay, flashers, iwo battery chargers, model train or racer speed control, heat controls and others.
KD2105 "Basic" kit contains one silicon control rectifier. two transistors and five rectifiers. Shpg, wt., 1 lb .
19 H 4300
Net 9.95
KD2106 "Add-on" Light Sensor Kit 19 H 4301 Shpg. wt., 502 ...... Net 2.75 KD2110 "Add-on" Heat Sensor Kit.
19 H 4302 Shpg. wt., 402 ........... Net 2.45

## EXPERIMENTER'S <br> MANUAL

KM-71 RCA sillicon controlled-rectifier for experimenters. The first section of this 136 page book covers the theory and operation of solid slate electron devices. Section two covers appllcation considerations, construction tios and details. chassis layouts and etc. The final section has forty. two pages devoted to circuits for the hobbylst or experimenter In all twenty-four complete circuits for dozens of control applications are shown. Full con: uction information is supplied logether with schematic and pictorial dia. grams.

## 10 H 4706



## INTEGRATED CIRCUIT EXPERIMENTER KIT



Excellent kit dealing with theory and ap. plications of revolutionary new Integrated Circuits that offer major advantages over conventional solid state circuitry. interesting experiments with Gates, Logic Circuits, Flip-Flops, Monostable Muitivibrator, Square Wave Generator, Amplifiers, Triggers, Alarms and Counters. Includes 2 Fairchild $\mu \mathrm{l} 914$ IC's.
19 H 5301 Shpg. wt., 802.
Net 6.95

## CODE <br> osclllator <br> mODULE

- Matchbook Size

Transisorized code oscillator module ready to connect to your telegraph key. any $12 / 2$ to 6 volt battery and any PM speaker. Provides clear tone-ldeal for learning Morse code. Simple connecting Instructions and schematic Included. Shpg. wt., 802. |9 H 1513

# TRANSMITTERS \& RECEVVERS 

## ANALOG R/C PROPORTIONAL SYSTEM $199^{95}$



No Money Down


- Dual Simultaneous with Trim Controls, Plus Trimmable Motor
- Tone Modulated for Noise Rejection

Model APT.S Transmifter-Easy to operate single stick for Right, Left. Up and Down. High output from center loaded antenna. Low battery drain. Size: $23 / 4 \times 5 \% / 8 \times 6 \% /{ }^{\prime \prime}$. Weighs $23 / 4$ lbs. with batteries. Model APR Receiver - Extremely sensitive, eliminated dead spots.

2 Model APC Proportional Servos - Closed loop feedback servos to be used on control surfaces. All nylon drive train for quiet. efficient operation. Temperature compensated by thermistor. Size: $25 / 9 \times 1 \% \times 11^{\prime \prime}$. Weighs $2 \% / 40 \mathrm{oz}$.
1 Model APM Trimmable Servo - For motor control.
1 Printed Circult Wiring Board - Complete with switch and 5 plugs and sockets. Interconnects servos. receiver and batteries: System Shog. wt., 5 ibs.
42 H 1917WX 27.145 Mc; less batterles-\$10 monthly_. Net 199.95 Analog proportional system with single stick transmitter for 26.995, $27.045,27.295$, or 27.255 Mc . Shpg. wt., 5 lbs. ( 3.4 wks delivery) 42 H 1929Cwxy Specify frequency. $\$ 10$ monthly ........Net 199.95 Same as 42.1917 WX except with APT Dual Stick transmitter. 42 H 1915WX 27.145 Mc ; less batteries- $\$ 10$ Monthly ... Net 199.95 Dual stick system for $26.995,27.045,27.195$ or 27.255 Mc . 42 H 1927 CWXY Specify frequency. (3.4 whs dellvery) $\quad$ Net 199.95 42 N 1916 Model APC Servo Net 27.95


## NEW! 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 built-in charger for airborne battery supply. OPR-3 Receiver: Superheterodyne. Size: $21 / 2^{\prime \prime} \times 17 / 9^{\prime \prime} \times 13 / 4^{\prime \prime}$., $33 / 402$. $w t$. Includes batteries.
3-DPC SERVOS: Powerful 4 pounds thrust plus. High quality nylon gear traln.
Wiring Board: Just plug Indlvidual units into wiring board. Complete with connectors.
Battery: 4 cell Nicad Pack for Receivers and Servos.
Model OP-3 for 27 Mc Frequencies: 26.995, 27.045, 27.145, 27.195 or 27.255 Mcs. System Shpg. wt., 51 lbs.
42 H 1926 CW XY Specify frequency ( 3.4 wks delivery) Net 219.95 FCC Type Accepted 72 Mc Operation on 72.080, 72.240, 72.400, 75.640 Mc.

42 H 1923CWxy Specify frequency ( 3.4 wks delivery) ..... Net 239.95 Batteries Required
32 W 47059 volt battery for transmitter $\qquad$ Net 1.36

## FULL HOUSE R/C DIGITAL PROPORTIONAL SYSTEM



- Trim on 4 Main Controls
- System Temperature Stabilized from $0^{\circ}$ to $140^{\circ} \mathrm{F}$.
- Receiver and Servos Completely Wired Ready To Operate
- Complete with Plugs and 4 Cell Battery Pak. Consists of:
TRANSMITTER: Model DPT Type AFR proportional high output, selfstarting (no buttons to push). Alleron and Elevator on right stick. Size $71 / 2 \times 63 / 0 \times 23 / 4^{\prime \prime}$. Net weight $27 / 4$ los.
RECEIVER: Model DPR superheterodyne proportional. 27.145 MC. Size $24 / 2 \times 17 / 0 \times 13 / 4^{* \prime}$. Net wt., 402.
CHARGER: Bullt into transmitter. Includes plugs and harness to charge both Transmitter and Receiver Batteries. Includes charg. Ing light Indicator.
WIRING BDARD: Does all the interconnecting. Eliminates mass of wires coming from Recelver. Just plug individual units into wiring board.
SERVOS: 4 Model DPC powerful servos with more than 4 pound thrust each. High quality nylon gear train. All electronic parts on one board. Size $27 / 0 \times 15 / 6 \times 1^{\prime \prime}$. Weight 3 oz. each.
BATTERIES: Rechargeable nicad batteries for all units.
Complete system above ready to operate. Shpg. wt., 6 lbs.
42 H 1918 WX Type AER 27.145 MC. $\$ 15$ Monthly ..... Net 299.95 Above system with chaice of $26.995,27.045,27.195$ or 27.255 Mc . 42 H 1928CWxy Speclfy frequency. (3-4 wks delivery) Net 299.95 New! FCC Type Accepted Full Mouse R/C Digital Proportional System for 72 Mc frequencles. Choice of $72.080,72.240,72.400$ or 75.640 Mc . Shpg. wt. 6 lbs. ( $3-4$ whs dellvery)
42 H 1925CWXY Specify frequency.. $\$ 17$ Monthly
Net 319.95


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 $1 / 2 A$ plane. Transmitter is high output digital type. Superheterodyne receiver works from servo battery. Servo is powerful feedback type. Decoder, Switch, Servo and connectors assembled on printed circuit mounting tray in a compact unit. Complete system. Shpg. wt., 3 lbs.
42 H 1924wX For 27.145 Mc Only. $\$ 5$ Monthly

- Net 79.95 DP. 1 System for operation on $26.995,27.045,27.195$ or 27.255 Mc . 42 H 1921 CWXY Specify frequency ( 3.4 whs dellvery) Net 79.95 $250 \mathrm{Ma} / \mathrm{H}$ Nicad Battery Pack for Receiver and Servo. Shpg. Wt., 8 oz. 42 H 1922 CWXY Net 9.50
99 H 6294 Alternate Alkaling Batterles - 4 req. $\quad$ Net ea. .29 32 H 47059 -volt battery for Transmitter

Net 1.36

# 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 single channel receivers on these pages. Features $F$ output from silicon transistor and center loaded antenna; "contest type" lever switches, 4 -transistor tem-perature-compensated circult for tone stabillty. Six adjustable tone frequencles from $350-650 \mathrm{cps}$. Battery drain 50 MA. Anodized aluminum case with rubber feet. $6 \% \times 55 / 8 \times 23 / 4^{\prime \prime}$. Weight $23 / 4$ lbs. wlth battery. Complete with antenna, less battery. For 27.145 Mc . $42 \mathrm{H} 190127.145 \mathrm{mc} \$ 5$ Monthly ................................... 59.95 Model SL-6 for operation on $26.995,27.045,27.095,27.195$ or 27.255 mc .

42 H 1930C C Specify frequency ( 4 wks delivery) Net 59.95
32 H 47059 volt battery for above. Net 1.36

## CITIZENSHIP MODEL RL- 6 SIX.CHANNEL TRANSISTORIZED 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 I), Intermediate (class II), and Pylon racing- Recelver operates 3 separate servos (rt., Ift.; up, down; high and low motor). 6 transistors, crystal controlled. Change frequency by changing crystals. High selectivity permits flying up to 5 different models simultaneously without interference. Current drain: 5 MA signal off, 15 MA signal on. Welghs only $31 / 2$ oz. Size: $27 / x^{2} \times 1 y_{10} \times 1^{\prime \prime}$. Less battery. 1,2 or 3 TCB or TLB actuators required. For 27.145 Mc .
42 H 1905 27.145 Mc $\$ 5$ Monthly
Net 43.95
Model RL. 6 for operation on 26.995, 27.045, 27.095, 27.195 or 27.255 Mc .

42 H 1931cy Specify frequency ( 4 wks delivery)
Net 43.95
32 H 4807 g-volt battery for above
Net .48

## 5-CHANNEL RESONANT REED HOBBY RELAY

## TUNED TO $266.0 \mathrm{cps}, 280.8 \mathrm{cps}$,

$313.0 \mathrm{cps}, 349.0 \mathrm{cps} \& 389.0 \mathrm{cps}$
Frequency tolerance $\pm 1 \%$. Especially adaptable to 5 channel remofe 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 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 V rms at resonant frequency; Operating level: 6.0 vrms. Design frequencles: $(\mathrm{CDS}) \pm 1.0 \%$ : REEDS: $\mathrm{A}=266.0, \quad \mathrm{~B}=280.8, \quad \mathrm{C}=313.0, \quad \mathrm{D}=349.0$. $\mathrm{E}=389.0$ Constant rating 100 ma peak at 48 vdc (resistance load, contacts ( $t$ ) in relation to reeds) Welght 2.502 . Mounts with $2-6 / 32^{\prime \prime}$ tapped holes on back. Size: $1 \mathrm{~K}_{0} \times 13 / \mathrm{x} \times 1 \mathrm{H}^{\prime \prime}$. Shpg, wt., 8 oz. 42 H 6101

## CITIZENSHIP MODEL TIX TRANSISTORIZED TONE TRANSMITTER

## $24^{95}$

This popular single channel tone trans. mitter measures $31 / 4 \times 51 / 2 \times 17 / 0^{\prime \prime}$ and weighs only 12 oz. with battery. $100 \%$ colfector 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 receiver giving rudder, or rudder and motor control. High efficlency 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 TTX for operation on 26.995. 27.045, 27.090, 27.195 or 27.255 Mc.

42 H 1932C. CY specify frequency ( 4 wks delivery) $\qquad$ Net 24.95
32 H 4704 9. Volt Battery (Burgess 2N6)
Net 1.30

## CITIZENSHIP <br> MODEL SSH RECEIVER

## ONLY

$23^{95}$

- Single Channel 7


## Transistor Superheterodyne Receiver

- $1 \%{ }^{\prime \prime} \times 1 / 0^{\prime \prime} \times 3 / 4$ ", Weighs Only $10 z$.
- Permits Flying in Smallest R/C Planes

This extremely versatile 7 Transistor miniature $R / C$ Receiver features excellent selectivity. Permits flying up to 6 models simultaneously with no interference. It is ultra sensitive and can be flown to limit of sight. Especially rellable superhet relayless circult 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 two pencells at 3 volts. May be used on 4.5 volts ( 3 pencells) to give 4.2 volts on any actuator. Idling current 6 MA dellivers 2.8 volts to escapement with 3 volt power supply. Used with Model ITX (no license required) Transmitter. Will also operate from other standard tone-modulated single channel or reed type R/C transmitters. Shoe. wt., 8 02. For 27.145 Mc .
42 H 1919 27.145 Mc
Net 23.95
Model SSH for operation on 26.995, 27.045, 27.090, 27.195 or 27.255 Mc.

42 H 1933 Cr Specify frequency ( 4 wks delivery) ...... Net 23.95
$11 / 2$-volt Penlight Batteries (2 Required)
99 H 6258
Net ea. . 10

## LITTLE "JEWEL" REMOTE CONTROL RELAY

- The Mighty Mite of the R/C Field - Weighs less than $1 / 202$.
- Size: $3 / 4 " \mathrm{H}, 17 / 3{ }^{\prime \prime} \mathrm{W}$, $1 \mathrm{Ko}{ }^{\prime \prime} \mathrm{L}$

A natural for remote control receivers, It is highly sensitive, and bullt to withstand severe crashes. The smallest commercial job avallable, it weighs less than $1 / 202$. Factory adjusted to pull in at 1.4 MA drop Factory adjusted to pull in at 1.4 Ma drop
out at 1.2 MA D.C. Single oole, double throw. Used in outstanding R/C recelvers. 5,000 ohm coll. Imported. Shpg. wt., 1 oz. 99 H 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. $050^{\circ}$. 42 H 4201 C Specify channel 23 Net 2.25 42 H 0901 Crystal Socket for above Net 20


## TESTOR'S R/C SKYHAWK

- Easy To Fly-Ideal For Beginners
- One Mile Range of Control
- Rechargeable Batteries with Charger
- Big 44" Wingspan-Length 27"
- Internal Combustion . 049 Engine

Authentic $1 / 11$ th scale model R/C Mustang GT that's carefully copled from the real Mustang GTI Fully assembled unit is designed for hours of trouble free enjoyment. No mechanical or electronic skills required. Car body is constructed of glossy polystyrene which is virtually indestructable. Durable chassis is fabricated from tempered aluminum. Twin high torque drive motors are coupled to rear wheels through an electronically controlled 4 transistor rear end achieves true differential actlon! True (pulse) proportional circuitry permits feather-touch control. Guidance controls include steering (left-center-right), drive motor (start-stop) and speed (high-1ow). super sensitive 9 transistor recelver combines with powerful dual coll. twin magnet actuator for superior rellablity. 8 transistor 100 milliwatt transmitter provides convenient control board. Heavy duty rechargeable batteries are easily charged with convenient charger (included). Complete with R/C model, transmitter, and battery charger. Shpg. wt., 7 tbs.
42 H 7303 TWX For 27.095 MC . $\$ 5$ Monthly .............. 79.95 R/C Mustang GT also avallabie on either 26.995 , of 27.195 MC , on special order. Shog. wt., 7 lbs. 42 H 7304 CwXY Specify Frequency

Net 79.95

## MUSTANG GT SPECIFICATIONS

Length: $\mathbf{1 6}$ inches. Width: 6 inches. Height: 4 inches. Weight: 2 tbs., 8 ounces. Speed: 100 MPH Scale. Turning Radius: 3 feet. Transmitter: Single Tone AM Modulated Relayless Pulse. Receiver: Superheterodyne with Pulse Width Rate Decoders.

Completely assembled ready to fly radlo controlled plane which incorporates true (pulse) proportional control for smoother, more reallstic filight control. This plane is so easy to fly that it is recom. mended for beginners-no electronic or mechanical skill is required. Aircraft fuselage constructed of virtualiy indestructable super-impact styrene. Wings and horizontal stabilizer are of super light styrofoam. Tricycle landing gear assures simple landings. High torque . 049 cubic inch internal combustion engine has gas tank attached for 4 minutes of powered flight. Super sensitive 9 transistor superhet receiver combines with a powerful dual coll. twin magnet actuator for superior reliability. 8 transistor 250 milliwatt transmitter provides up to one mile range control. Simple ruidance controls include finger tip trim for basic in-flight stabilization. Heavy duty rechargeable batterles are easily charged with convenient charger (included). Complete with R/C plane, transmitter, battery charger, and illustrated flying instruction book. Shpg. Wt., 6 los.
42 H 7301 TwX for 27.145 MC. $\$ 5$ Monthly .................Net 79.95 Skyhawk also available on either 26.995, 27.045, 27.095, or 27.195 MC. on special order. Shpg wt., 6 lbs .

42 н 7302CWXY Specify Frequency
Net 79.95

## SKYHAWK SPECIFICATIONS

Length: Fuselage $27^{\prime \prime}$, Wing $44^{\prime \prime}$. Flying Welght: 23 ounces (approximately). Speed: 30 MPH True. Fuel Capacity: 4 Minutes Powered Flight. Transmitter: Single Tone AM Modulated Relayless Pulse. Receiver: Superheterodyne with Pulse width Rate Decoders.

Mail orders on above, except Easy-Pay, must
be accompanied by full remittance. Ship-
ments made direct from Addison, llinois;
transportation charges collect.


## CITIZEN.SHIP MODEL TCB CAM ACTION SERVO

- Ideal For Contest Work
- Gives Variable Ratio

For use up to $140^{\circ} \mathrm{F}$. 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 tb.
42 H 1909 Less Batteries
Net 20.75
$12 / 2$ Volt Batteries ( 4 req.)
Net ea. 10
MODEL TLB TRANSISTORIZED LINEAR ACTION SERVO. Same as ModeI TCB except true linear motion-rack and pinion gearing. Ideal for motor and trim. Shps. wt., 1 lb .
42 H 1914 Less Batteries
$11 / 2$ Volt Batteries ( 4 rea.)
Net 21.75 Netea. 10
99 H 6258 WULTI-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 H 9033

Net 4.95

## R/C MINIATURE CONNECTOR

Minlature 8-נin plug \& jack weighs only $1 / 2$ oz. 8 measures $1 x^{1 / 4}$ ". Many useful $R / C$ applications! Imported. 99 H 9091

Net .99


CITIZEN-SHIP SUPERHET R/A PAK
Instant Model Plane or Boat Installation Consists of: Model SSH Single Channel Superhet Receiver: SE-2 Escapement: Battery Holder; Off-On Switch, Push Rod. Hook and Bearing.

## Completely wired R/C pak

Especially designed for small R/C planes and boats. Size: 1 "he $x$ $21 / 4^{*} \times 31 / 10^{"}$. Weight $41 / 2$ oz. with batteries. Complete, selfcontained no connections of any kind to make. Operates on 2 pencells. Operates with $T$ XX and simitar transmitters.
42 H 1920 27.145 MC \$5 Monthly.
Net 31.95
Above R/C Pak for operation on 26.995, 27.045, 27.095, 27.195. or 27.255 MC. (4 Weeks Delivery.)

42 H 1934 CY Specify Frequency $\$ 5$ Monthly
Net 31.95 $99 \mathrm{H} 625811 / 2$ Volt Batteries ( 2 required)

Net ea. . 10
SE-2 ESCAPEMENT ONLV. Operates left or right directly from transistor or relay. One pulse gives right rudder; two pulses give left. Always starts from neutral. Welghs less than 102 . Operates from receiver batteries or from two pencells. Shpg. wt., 8 oz .
99 H 6258 Optional $11 / 2$ Volt Batteries (2 required) ...... Net ea. 10

## R/C CENTER LOADING COIL ANTENNA

High efficiency, center loaded, 11 -section telescoping antenna collapses to $81 / 2^{\prime \prime}$ and extends to $54^{\prime \prime}$. High a chrome-plated brass antenna transfers maximum power for distant remote control. Imported. Shpg. wt., 1 lb .
19 H 9098
Net 2.99

# Barber-Colman, Hurst-AC Motors 

## HURST HEAVY DUTY SYNCHRONOUS MOTORS

Compact heavy-duty synchronous motors for accurate continuous timing applications. WHI 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 $21 / 2^{\prime \prime}$ dia. $\times 133^{4 *}$ deep. Power requirement: $\mathbf{5}$ watts, 95.130 volts $A C$, 60 cycles. Operating temp. $40^{\circ}$ to $+105^{\circ} \mathrm{C}$ shpg. wt., 1 lb .

## 40 INCH OZ-CONTINUOUS DUTY TYPE SM (Fig. A)

Instant start at full torque. Shalt yha" diam. $\times 1$ " long.

| Stock <br> No.Output <br> Speed | 1.9 | Net Each |
| :---: | :---: | :---: | :---: | :---: |
| 10.24 | $25-49$ | 50.99 | 30 H 38011 RPM 30 H 38024 RPM

$\begin{array}{llll}12.28 & 11.05 & 10.50 & 9.98\end{array}$ 30 H 38036 RPM 30 H 380410 RPM (May be assorted for 30 H 380530 RPM 30 H 380660 RPM

## POSITIVE CLUTCH-TYPE PCSM

(Fig. B) 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. wI., $11 / 2 \mathrm{lb}$.

| Stock No. | Output Speed | 1.9 | $\begin{gathered} \text { Net } \\ 10.24 \end{gathered}$ | $\begin{aligned} & \text { t Each } \\ & 25.49 \end{aligned}$ | $50.99$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 3807 | 1 RPM |  |  |  |  |
| 30 H 3808 | 4 RPM | 17.86 | 16.07 | 15.27 | 14.50 |
| 30 H 3809 | 6 RPM |  |  |  |  |
| 30 H 3810 | 10 RPM | (May be assorted for quantity prices) |  |  |  |
| 30 H 3811 | 30 RPM |  |  |  |  |
| 30 H 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 forque, 120 inchounce at 1 rpm. $21 / 2^{\prime \prime}$ da. $x 17 / 4{ }^{\prime \prime}$ ", shaft $\gamma_{16}$ " dia. . $1^{\prime \prime}$ L. Shpg. wft., $11 / 2 \mathrm{lbs}$.

| Stock No. | Output Speed | 1.9 | $\begin{array}{r} \text { Net Each } \\ 10.24 \quad 25-49 \end{array}$ | 50-99 |
| :---: | :---: | :---: | :---: | :---: |
| 30 H 3813 | 1 RPM |  |  |  |
| 30 H 3814 | 4 RPM | 14.60 | 13.1412 .48 | 11.86 |
| 30 H 3815 | 6 RPM |  |  |  |
| 30 N 3816 | 10 RPM | (May be assorted for quantity prices) |  |  |
| 30 H 3817 | 30 RPM |  |  |  |
| 30 H 3818 | 60 RPM |  |  |  |

## POSITIVE CLUTCH-TYPE PCDA

 (Fig. B) POSITIVE CLUTCH DA SERIES. Basic DA motor with positive clutch and instantaneous brake. Starts in 20 millisecondsstops 60 rpm shaft in $12^{\circ} .1 \mathrm{rpm} 1 / 5^{\circ}$. Shpg. wt., $14 / 2 \mathrm{lb}$.| stock No. | Output Speed | 1-9 | $\begin{gathered} \text { Net Each } \\ 10.2425-49 \end{gathered}$ | 50.99 |
| :---: | :---: | :---: | :---: | :---: |
| 30 H 3819 | 1 RPM |  |  |  |
| 30 H 3820 | 4 RPM | 20.18 | 18.1617 .25 | 16.39 |
| 30 H 3821 | 6 RPM |  |  |  |
| 30 H 3822 | 10 RPM | (May be assorted for quantity prices) |  |  |
| 30 H 3823 | 30 RPM |  |  |  |
| 30 H 3824 | 60 RPM |  |  |  |

## 150 INCH—OUNCE TYPE EA (FIG. C)

Low cost, open-frame, shaded pole clock wise rotation motor. Completely accurate, cool running. Output shaft $\mathrm{Y}_{1}{ }^{\prime \prime}$ dia. $\times \mathrm{I}^{\prime \prime} \mathrm{L}$ Size: $3 \%, \times 256 \times 15 /{ }^{2}=$. Shpg. wt., $11 / 2 \mathrm{lbs}$.

| stock No. | Output Speed | $1-9$ | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 10-24 | 25-49 | 50.99 |
| 30 H 3825 | 1 |  |  |  |  |
| 30 H 3826 | 10 | 9.35 | 8.41 | 7.99 | 7.59 |
| 30 H 3827 | 60 |  |  |  |  |

(May be assorted for quantity prices)

## 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. Capacitor 1.25 mfd . Slze: $2^{\prime} \mathrm{H}_{1}{ }^{\prime \prime}$ dia. $\times 2^{\text {2 }}$ y $_{3 \prime \prime}$, shaft $1^{\prime \prime} \times 1 / 4^{\prime \prime}$ dia. For 115 V 60 cycle A.C., 10 watts. Shpg. Wt., $31 / 2 \mathrm{lbs}$.

| No. | Output Speed | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 3828 | 1 RPM | 30.50 | 28.98 | 27.46 |  |
| 30 H 3829 | 4 RPM | 30.50 | 28.98 | 27.46 |  |
| 30 H 3830 | 6 RPM | 30.50 | 28.98 | 27.46 |  |
| 30 H 3831 | 10 RPM | 30.50 | 28.98 | 27.46 | 25.94 |
| 30 H 3832 | 30 RPM | 28.65 | 27.22 | 25.79 | 24.36 |
| 30 H 3833 | 60 RPM | 26.4 | 25.13 | 23.81 |  |

## BARBER-COLMAN SHADED-POLE MOTORS

GEAR MOTORS (FIg. A)
Unidirectional Type G2 gearheads designed for maxi- cycle field colls. CW rotation. Drive coupling on GZ mum of 30 lb .in., independently supported load. All gear motors is a hollow sleeve ( $7 / 160.0$., $5 / 16$ I.D.) gear trains use accurately hobbed gears. 115 volt, 60 drtlied for $3 / 32$ " cotter pin. Shpg. wt., $2 \mathrm{i}_{4}$ ibs, Full loul tharacteristies indicuted in table belous.

| Stock No. | Mfr's. Type | Torque Ib.-in. | Speed RPM | Max. HP | Input Amps | Dimensions In. | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | 1.9 | 10.49 |
| 32 H 1606 | G2KB 29-110 | 1.3 | 80 | . 0017 | 19 | 31/8×3×31/6 | 16.32 | 14.25 |
| 32 H 1608 | GZKB 60.110 | 2.7 | 40 | . 0017 | . 19 | $31 / 8 \times 3 \times 31$ | 16.32 | 14.25 |
| 32 H 1609 | GZKB 236-110 | 8.2 | 10 | . 0013 | . 19 | $34.4 \times 3 \times 3 \%$ | 19.41 | 16.78 |

## BARBER-COLMAN SYNCHRONOUS MOTORS (Fig. B)

For chart drives, scoreboard timers, microfilm cameras, etc. Develops many times the power of ordinary clock and timing motors. Synchronize rapidiy; high pull-out torque provides reserve power under fluctuating load conditions. Puil-in torque .10 lb -in, based on spring-coupled low inertia load not exceeding .007 lb - in . ${ }^{2}$ Supplied with 2 inch dia. cooling fan on rear of motor for continuous duty operation. 115 -volt, 60 -cycle field coil. CW rotation. $27 / x^{2} 2^{\prime} \%, \times 23{ }^{\prime \prime \prime}$. Shaft dia. . $125^{\prime \prime}$. Full load characteristics-Torque: 12 ib-in.; Speed: 3600 RPM: Max. HP . 0068 Input: .87 amps. Shpg. wt., 1 Ib
32 H 1617 KYA $622 \cdot 320^{\circ}$

## UNIOIRECTIONAL MOTORS (Fig. C)

Shaded-pole AC induction motors for driving cooling or shaft. Porous bronze allignable beapings used on all fans, appliances, displays, vending machines, pumps, movie projectors. Simple, dependable constructionno brushes, contacts, capacitors. All motors rated for continuous duty when operated at room ambients be low $100^{\circ} \mathrm{F}$.; CW rotation viewed facing the drive hub
unidirectional motors. 115 volt, 60 cycle field colls with Class A insulation and molded phenolic bobbins. Long life iubrication. Mounts with two $=10.32$ tapped sluds on rear of mcior. Shpg. wt., $12 / 2$ lbs.

A

Full load characteristies indirated in table belone

| stock No. | $\begin{aligned} & \text { Mir's. } \\ & \text { type } \end{aligned}$ | Torque 1b. in. | Speed | Max. HP | $\begin{aligned} & \text { Input } \\ & \text { AmDs } \end{aligned}$ | Approximate oimensions In. | $\underset{1.9}{\mathrm{Ne}}$ | $\begin{aligned} & \text { ach } \\ & 10-24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H $1601^{\circ}$ | AYAA 707.110 | . 025 | 1900 | . 0007 | . 13 | $2^{1 / 3 x} \times 21 / 4 \times 1^{3 / n}$ | 5.79 | 4.99 |
| 32 H 1602 | DYAB569.110 | . 045 | 2400 | . 0017 | . 15 | 23/4x $219 / 33^{\text {x }}$ 31/38 | 5.67 | 4.90 |
| 32 H 1603 | DYAF761-110 | 10 | 2800 | . 0045 | . 27 | $211 / 3 \times 27 / 4 \times 131 / 3$ | 5.96 | 5.15 |
| 32 H 1604 | KYAF764-110 | . 045 | 2400 | . 0017 | . 15 | 23 ¢ $\times 219 / 38 \times 1 \times 1 / 37$ | 8.08 | 7.05 |
| 32 H 1605* | OYAF767-110 | . 20 | 2900 | . 009 | . 39 | $221 / 37 \times 27 / 4 \times 211 / 30$ | 16.78 | 13.50 |

Fans listed below may be used with above motors for cooling electronic tubes, projection lamps, and in deodorizers, heaters requiring alr delivery agalnst a low static head. Aluminum blades and zinc plated steel hubs. Blows alr forward when mounted with hub towards the motor. "Free air delivery measured 12 inches from front of fan. Fan dia.: Type $3033^{\prime \prime}$; $403=4^{\prime \prime} ; 502.1-5^{\prime \prime}$. Hub dia.: $303=1 / 8^{\prime \prime} ; 4031 / 8^{\prime \prime}$ $502 \cdot 1=5 / 32^{m}$. Avg. shpg. wt., 2 oz .

| stock No. | Mfr's. Type | CFM* | For Motor |  | $\begin{aligned} & \text { Each } \\ & 10.24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 1611 | AYFA 303 | 75 | AYAA707-110 | 1.77 | 1.66 |
| 32 H 1612 | AYFA 403 | 190 | DYAB569.110 | 2.08 | 1.96 |
| 32 H 1613 | AYFA 502. | 300 | DYAF761.110 | 2.35 | 2.23 |

## HOBBY MOTOR Only 5.95



- $1 / 15$ th h.p.

12 in oz. torque
to 1.3 Amps under load

A perfect power source for notorizing 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 $43 / 2^{\prime \prime}$ long, less shatt, $\times 2^{1 / 4}{ }^{\prime \prime} \mathrm{H} \times 23 / \mathrm{a}^{\prime \prime} \mathrm{W}$ Iwo tapped $10-32$ mounting holes on $21 /{ }^{\prime \prime}$ centers. $1 / 4^{\prime \prime}$ shaft, $3 / 4^{\prime \prime}$ long. Fan cooled, permanent ollite bearings, and externa brush openings. 12" cord lead, Operates on $110 / 120$ volts AC of DC. Shpg, wt., $11 / 2$ lbs 19 H 2410

## Solid State Closed Circuit Television Camera



- 9 Crystal Controlled Transmit and Receive Channels
- 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


## Only 5995

No Money Down



1. Front Panel Crystal Sockets
2. Illuminated Vernier Tuning Dlal
3. Tuneable Recelve Dial Control
4. Modulation Monitor
5. Phene Jack for Private Listening and External Speaker
6. Mlcrophone Socket
7. Front Panel $4^{00}$ Speaker
8. Volume Control/Power Switch
9. Variable Squelch Control
10. 9-Channel Crystal Transmit-Receive Selector Switch
11. Xtal-Tune Receiver Mode Switch

APPROVED IN CANADA
D.O.T. No. 169361101


Advanced electronic circuitry utilizes 7 tubes and 3 diodes to achieve 13 stages of dynamic performance. Sensitive superheterodyne recelver permits reception of weak distant stations even in problem areas. Effective series gate Ilmiter minimizes ignition and other nolse pick-up. Receiver can be manually tuned or crystal controlled. Variable squeich control permits quiet automatic stand-by operation. Powerful audio stage delivers up to $100 \%$ AM plate modulation for real talk power. Monitor allows visual Indication of modulation. Built-in 117 VAC power supply and optional 12 VDC power supply (see below) permit virtually unlimited applicatlons. 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. Intermediate frequency: 455 KC . Receiver sensitivity: $1 \mu \mathrm{v} @ 10 \mathrm{db}$ 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 9. Size: $121 / 4 \mathrm{~W} \times 81 / 4 \mathrm{D} \times 5 \mathrm{H} \mathrm{H}$. Shpg. wt., $111 / 2 \mathrm{lbs}$.
99 H 3067 Wx $\$ 5$ monthly
Net 59.95
42 H 4701C Extra Transmit Crystal (Specify Channel)
Net 2.25
42 H 4702C Extra Receive Crystal (Specify Channel)
Net 2.25
HA. 19 POWER SUPPLY Adapts Comstat 19 for 12 volt mobile operation. Size $6 \mathrm{~W} \times 4 \mathrm{H} \times 41 / 2{ }^{-2} \mathrm{D}$.
42 H 4704 W Shpg. wt., 4 lbs.

## COMSTAT 9 5-WATT CITIZENS BAND TRANSCEIVER KIT

- 9-Crystal-Controlled Transmit and Receive Channels
- Front Panel Transmit and Receive Crystal Socket
- 23-Channel Tuneable Receiver
- High-Efficiency 7-Tube Circuit
- 115 VAC and 12 VDC Power Supply
- Pi-Network Antenna Matching

Now
Only 94
no money oown


Efficient 7.fube circuitry, top quality parts, plus Lafayette's famous easy- 0 -follow directions give you a CB transceiver with excellent performance. Incorporates 9 crystal controlled receive and transmit channels with an integrated iuneable 23 -Channel receiver section for exceptional operatink flexibility. Sensitive superheterodyne receiver features series floating gate noise limiter and a tuned RF amplifier for high gain and low noise reception. Sensitivity $81 \mu \mathrm{~V}$ for 10 db . S/N ratio. Selectivity: -26 db at 8 KC . Adlacent Channel Reiectlon:- 31 db . Adiustable squelch circuit insures quief stand.by operation. Transmitter provides full 5 .watt input with up to $100 \%$ plate modulation. Front panel light indicates modulation. Short range operation for use as intercom at CB iamborees. etc. is facilitated by a 100 milliwatt switch. Output impedance: 50 ohms. Ceramic microphone features plug. in push-to-talk operation and coiled cord. External crystal sockets mounted on front panel for added flexibility. Bult-in power supply operates on 117 vaC or 12 volts DC.
Kit comes complete with parts; wire, solder, easy-to-follow manual, microphone, and sfurdv attractive metal cabinet. Less crystals and vibrator. Shpg. wt., 20 lbs. 42H 0915 WX $\$ 5$ monthly

Net 54.95
42 H 4701 C Transmit Crystal (Specify Channel)
42 H 0914 C Recelve Crystal (Specify Channel)
OPTIONAL DC ACCESSORIES

Prices d Specifications Subiect to Change Without Notice.

1. Front Panel Crystal Sockets
2. Illuminated Vernier Tuning Dial
3. Tuneable Receive Dial Control
4. Modulation Indicator
5. Phone Jack for Earphone Listening
6. Plug-In Push-to-Talk Ceramic Mike
7. Front Panel Speaker
8. Volume Control/Power Switch
9. Variable squelch
10. 9-Channel Crystal Trans-mit-Receive Selector Switch
11. Xtal-Tune Receiver Mode Switch

## Our Walkie Talkies Feature



"Space Commander" | No License Required |
| :--- |
| FCC Regulotion Part 15 | $\mathbf{S A C H}^{99}$

WEW: 2 Channel 7 Transistor Superhet With Tone Alert
No license Required is 1595 FcC Regulotion for is 15 EAOH 152 Latayette cat. No. 680


3-Channel 10-Transistor Range Boost With Tone Alert

Depend on Lafayette for Complete Stock:, Lowest Prices, Fastest Service

# Plug-in Crystals-Easy to Operate 23 Channels 



## CB Walkie Talkie with Tone Alert

ONLY 595
NO MONEY DOWN

## A "Space Commander" CB Walkie Talkie

- Not a Kit-Campletely Wired
- Sensitive Superregenerative Circuif
- Solid State far Low Battery Drain
- Interstage Transformer for More Sound

Compact 3 -fransistor walkie-talkie features a sensitive superregenerative recelver for minimum noise 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 tele. scopic antenna, crystal, battery, and plastic carrying case. Size: $51 / 2 \times 21 / 2 \times 13 / \mathbf{h}^{\prime}$. Imported. Shpg. wt., 1 lb . Does not have plug. in crystals.
99 H 3080 L Model HA-70C $\qquad$ Net ea. 5.09
99 H 6021 Replacement Battery ... Net .21
Optiona! 9-Volt Lead-Acid Rechargeable Battery Plus Charger. Imported. Shpg. wt., 6 oz. 99 H 9016 $\qquad$ Net 2.69

## NEW! 2 Channel 7 Transistor

 Superhet CB Walkie Talkie- Built-in Tone Alert
- Powerful Push-Pull Audia
- Copacitar-fed Reflex Circuit

New power boost reflex circuit utilizes 7 transistors to achleve higher sensitivity for extended range. 2-channel operation permits greater flexibility. Call alert system sends or receives a pleasant alerting tone for convenient calling. Case features beautiful diecast chrome high-lighted front panel. Supplied with carrying strap, telescoping antenna, battery, and plug-in crystals for channel 9. Size: $5 \% \times 11 / 4 \times 23 / 4$ ". Imported. 3 lbs . 99 H 3129L HA-73___ Net ea. 15.95
99 H 6021 Replacement Battery ... Net . 21 Optional 9 -Volt Lead-Acid Rechargeable Battery Plus Charger. Imported. Shpg. wt., 602. 99 H 9016

## NEW! 2 Channel 5 Transistor Superhet CB Walkie Talkie

- Audia Tone Call Alert
- Selective Superhelerodyne Receiver
- 2 Switchable Channels
- Complefe with Crystals for Channel 10

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. Transmilts and receives alerting audio tone to initiate communications. Sup. plied with channel 10 transmit and recelve plug-in crystals and 9 volt battery. Size: $231 / \mathrm{W} \times 53 / \mathrm{HH} \times 11 / 2^{\prime \prime} \mathrm{D}$. Imported. $21 / 2 \mathrm{lbs}$. 99 H 3185 L HA-132 $\quad$ Net ea. 11.05 99 H 6021 Replacement Battery Nei .21 Optional 9 -Volt Lead-Acld Rechargeable Battery Plus Charger. Imported. Shpg. wt., 6 oz. 99 H 9016

Net 2.69

## 3-Channel 10 -Transistor Range Boost Walkie Talkie

- Built-in Tane Alert
- 10 Dependable Silicon Transistors
- 3-Channels For Mare Versontility

Features a powerful Range Boost modulated transmitter and efficient superhet recelver in a lightweight, 16 ounce package. Call alert system sends or receives a pleasant alerting tone for convenient calling. Styled in professionally designed black and brushed aluminum metal case. Supplied with antenna, 5 penlight batteries, and a pair of plug-in crystals for channel 10 . Size: $67 / 8 \times 21 / 4 \times$ 15 / " $^{\prime \prime}$. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$. 99 H 3127 LLE HE-210A $\qquad$ Net ea. Replacement Ory-Cell Batteries ( 6 required) 99 H 6258 Net ea. 10 Heavy Duty Alkaline Battery ( 6 required 99 H 6294 Net ea. 29 99 H 3142 Battery Eliminator Net 2.95

## E

- Builf-In Tone Alert
- Switchable 3 Channel Operation
- Large, Efficient Speaker/Mike

Lightweight 2-way transceiver includes three switchable channel positions for alternate choice of frequencies under crowded channel conditions. Tone alert system sends or receives a pleasant alerting tone for convenient calling. 117 volt AC operation with optional battery eliminator, 14 transistor, 1 diode, 1 varistor circuit features a selectlve superhet receiver with automatic noise limiting and

## F Lafayette 2-Watt 3-Channel C

- Built-in Tone Alert
- Superhet Receiver Plus RF Amplifier
- Variable Squelch, ANL, AVC

Powerful walkie talkle features $\mathbf{3}$ channel operation and 2 watt transmitter input for flexible, dependable communications. Superhet recelver 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 circuit features: built-in battery meter, push-pull audio, jacks for external antenna and earphone, and attractive metal case with die cast front panel.

- Range Boost Far Extended Talk Pawer
- Adjustable Squelch, and Noise Limiter
- Superhef Receiver with i $\mu v$ Sensifivily
variable squelch, range boost, .5 watt transmitter, and battery condition indicator. Supplled with telescopic antenna, batteries, carrying strap, crystals for channel 9, and FCC License form 505 . Imported. Shpg. Wt. $21 / 2 \mathrm{lbs}$. 99 H 3139 L HA-305 - $\$ 5$ Monthly. Net 32.95 99 H 3186 Ellminator $\qquad$ Net 4.95 99 H 6294 Alkaline Batt. (8 Req.) Ea. 29 99 H 2541 Earphone for above ___ Net 1.29


## Walkie Talkie Model HA-303

- 2.Watt Input far Greater Range
- 3 Transmit and Receive Channels
- Range Baost Modulating Circuitry

Supplied with telescoping antenna, battery holder (less batteries), set of crystals for channel 11, and FCC License Form 505. Size: $31 / 4 \mathrm{~W} \times 81 / 4 \mathrm{H} \times 13 / 4 " \mathrm{O}$. 1 mported. Wt., $31 / 2 \mathrm{lbs}$. 99 H $3091 \mathrm{LHA}-303$ \$5 Monthly. Net ea. 54.95 99 H 3109 Eliminator Charger _ Net 13.95 99 H 3135 Spare Battery Holder Net 69 32 H 4740 Nicad Batt. (10 req.) Ea. 1.93 99 H 6294 Alkaline Batt. ( 10 req.) - Ea. .29 99 H 2541 Earphone for above_- Net 1.29 42 H 0920 Ext Antenna Cable.

Net 2.95

## Crystals For Walkie Talkies on Pages 152 and 153

42 H 0907C Extra Transmit Crystal (Specify Channel Desired) 42 H 0137C Extra Receive Crystal (Specify Channel Desired)

# SRLAFAYETTE WALKIE TALKIES 

## - 6 Stage Transmitter

- Range Boost Circuilry
- 12 Transistars, 3 Diades
- 455 KC Ceromic Filter

- Variable Squelch and Autamatic Naise Limiting
- Sensitive 1 micravoll Superheteradyne Receiver
- Battery Conditian and RF Pawer Oulpul Indicator
- Jacks for External Antenna \& Battery Eliminalar

Lafayette's new Dyna-Com 3 Walkie Talkie is a hand-held powerhouse featuring 3 full watts of power with the added flexibility of 3 crystal-controlled switchable transmit and receive channels. 12 transistor 4 dilode circuitry incorporates bullt-in tone alert private caliling. Sensitive superhet receiver utilizes an RF amplification stage and highly selective ceramic filter for superb reception. Automatic gain control, automatic nolse limiter, and variable squetch 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. Meter Indicates battery level on receive and RF power output on transmit. Jacks are provided for earphone, external antenna, and external power. Operates on batteries or any other 12 volt DC Supply. Attractive case with shoulder strap. Complete with telescoping antenna, 10 " 2 " cell battery holder with batteries, one set of crystals for channel 7 and FCC Form 505. 1 mported . SIze: $85 / 8 \mathrm{H} \times 33 / 4 \mathrm{~W} \times 111 / 4 \mathrm{c}^{\prime \mathrm{D}}$. Shpg. wt ., $21 / 4 \mathrm{lbs}$.
99 H 3134L $\$ 5$ Monthly $\qquad$ Net 64.95
99 H 3140 YL Dyna.Com 3 Modified for 26.62 MC $\qquad$ Net 74.95
99 H 3141 YL Dyna-Com 3 Modified for 27.575 MC Net 74.95

## DYNA-COM

## ONLY



- 1.5-Watt Power
- 3 Switchable Channels
- 455 Kc Ceramic Filter

- Superheterodyne Receiver with I Mirrovalt S nstivity
- Variable Squelch and Buill-In Autamatic Naise Limiting
- Battery Candition and RF Pawer Output Indicatar

Lafayette's new Dyna-Com 2 Walkle Talkie is a compact hand-held 3 channel 1.5 watt transcelver featuring fuli 23 -channel crystal controlled transmit and receive capabilities. Bulit-in provisions for 3 switchable channels greatiy increase its flexibility. Incorporates latest circuitry for outstanding sensitivity, selectivity, and adjacent channel rejection. Transmits or receives an alerting tone prior to inltiation of communications. Outstanding features Include Range Boost modulation circuitry, ceramic IF filter, AGC, ANL, variable squelch, and Battery/PRF output meter. External earphone, antenna, and power jacks provided. Attractive case with shoulder strap. Operates on built-in batteries or any external 12 volt DC power source. Complete with telescoping antenna, batteries, crystals for channel 7. and FCC Form 505 . Size: $83 / 4 \mathrm{H} \times 33 / 4 \mathrm{~W} \times 1$ Y/4" D . Imported. $21 / 4 \mathrm{lbs}$. 99 H 3133L \$5 Monthly $\qquad$ Net 49.95
99 H 3176YL Dyna-Com 2 Modified for 26.62MC $\qquad$ Net 59,95 99 H $3177 Y L$ Dyna-Com 2 Modified for 27.575MC Net 59.95

## accescurn pox orucom 2, 2



# LAFAYETTE 2.5 Watt Solid State Portable \& Mobile 

 TWO-WAY RADIOModel HA-450

-6 Channel Crystal Cantralled Transmit \& Receive

- External Plug-in Push-To-Talk Dynamic Micraphanc
- "S" and Bottery Meter, ANL, and Variable Squelch
- Operates with 8 " $D$ " Botteries Supplied
- Complete with Leather Carrying Case, Antenno,
- and Mobile Mounting Brackets

Powerful HA-450 can be used as a super Walkie-Talkle with its self-contained battery pack or as an ultra compact under-dash moblle unit. Solld state 12 transistor, 4 diode circult provides optimum 6 channel crystal controlled operation. Sensitive superheterodyne receiver utilizes one stage of RF and two stages of IF amplification for clear reception. Automatic serles gate noise limiter and adjustable squelch combine for quiet pleasurable communications. Automatic gain control prevents overloading on strong signals and maintains unlform audlo output. Mechanical filter assures excellent selectivity with superior adjacent channel rejection. Efficient 2.5 watt twin stage transmitter uses 3 rugged slilicon transistors for dependable, efficient transmission. Operates on 12 volts positive or negative ground D.C., or internal batteries. Supplied with telescopic whip antenna, mounting bracket, PTI mike, batteries, pair channel 9 crystals and FCC Form 505. Size: With Battery Pack, $103 / 8 \mathrm{~L} \times 60 \times 23 / 4 \mathrm{H}$. Without pack, $101 / 2 \mathrm{~L} \times 41 / 2 \mathrm{D} \times 23 / 4{ }^{\prime \prime \mathrm{H}}$. Imported. Shpg. wt., 8 lbs. $99 H 3063 \mathrm{~L} \$ 5$ Monthly__ Ne't 69.95

## ACCESSORIES

99 H 6256 " $D$ " Cells (8 required) $\qquad$ Net Ea. . 15 99 H 6292 "D" Alkaline Batteries (8 req'd) -- Net Ea. . 44 42 H 0907C Extrà Transmit Crystal (Spec. Chan.) -. Net 2.25 42 H 0135C Extra Recelve Crystal (Spec. Chan.) - Net 2.25 42 H 2202 PL- 259 to Motorola Plug Adapter ..... Nét . 99

## $13^{99}$




EINA.COM 5 Dependability by the American Antarctic

The American Antarctic Mountaineering Expedition

February 9, 1967
"...the Expedition made the first ascent of six peaks, inkluding the Vinson Massil, $16,800^{\circ}$, the highest peak in Anfarclica. The 5 waft Dyna.Com Walkie Talkie radios you provided gave us excellent service throughout the course of the Expedition it added measurably to our peace of mind during bad weather when members of the party were isolaled in high camps."

CHANNELS
LAFAYETTE DYNA-COM 5 WAS 99.95

Now 7995
with leather Shoulder Strap

- 3 Switchable Crystal Controlled Transmit and Receive Channel Positions for All 23 Channels
- 5-Waft FCC Maximum Input . . . with the Power of the Most Powerful Base and Mobile CB Transceivers
- 13 Transistors, 6 Diodes
- 7-Stage Transmitter for Extra Transmil Sockl
- Operate Mabile in Your Car with Optional Cigarelte Lighter plug-in Adapter
- Superheterodyne Receiver With Less Than 1 Microvolt Sensitivity for $10 \mathrm{db} \mathrm{S}+\mathrm{N} / \mathrm{N}$ Ratio
- Mechanical Filfer for Superior Selectivify
- Automatic Compressor Range Boost-Assures High Talk Power

5 Watts of Power You


## Proved on the Highest Peaks of Antidrcitida

## Mountaineering Expedition!

## Con Hold in Your Hand!

- Voriable Squelch ond Automotic Noise Limiting for Minimum Noise
- Bottery Condition and Automotic Relotive RF Power Oulpul Indicotor
- Externol Antenno Jock Permits Use with Base Stotion ond Mobile Antennas
- Provision for Externol Battery Pock, Mobile Battery ond Baltery Chorger ond Eliminotor
- Pi-Network Antenno Matching for Moximum Output
- Push-pull oudio/modulotor circuit for more powerful speech tronsmission ond reception

The Dyna-Com 5 is small in size-BIG in performance and versatility. 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 ni.cad batteries on or off the walkie-talkie. You always have a fresh supply of batteries on hand. In addition, an optional portable dry cell power pack 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 $31 / 4 \mathrm{~W} \times 10^{1} / 4 \times 21 / 4 " \mathrm{D}$. Supplied with transmit and receive crystals for channel 10, telescoping whip antenna and FCC license application Form per regulation 95 . Imported. Wt., 5 Ibs . See optional accessories. Less batteries. 99 H $3087 \mathrm{~L} \$ 5$ monthly

Net 79.95

## DYNA-COM 5 ACCESSORIES

(A) Battery Eliminator/Charger

Professionally designed attractive battery ellminator and charger for the Dyna-Com 5. Plugs into 117 VAC outlet to permit opera. tion of Dyna-Com 5 as base station. Charges up to 12 nickel cadmium batteries at the rate of 40 milliamps per hour both internally In the Dyna.Com 5 as well as externally. Contains individual power supplies for bat. tery ellminator and for charger. Attractive front panel meter normally indicates charg. ing. When button is depressed the meter indicates the battery voltage. Negative ground only. Has fused AC line. Size: $75 / 8 \mathrm{~B} \times 55 / \mathrm{bD}$ (at bottom) x 3 " ko "W. Imported. Wt., 5 lbs. 99 H 3147

## -

(B) Extra Battery Pack

Consists of extra removable back of walkie. talkle plus battery holder and 12 nickel cadmium rechargeable batteries. Permits charg. Ing of complete Battery Pack outside of walkie-talkie while another Pack is in use with DYNA-COM 5 . Imported. Shpg. wt. 2 lbs. 99 H 3099 $\qquad$ Net 27.50
(C) Case for Dyna-Com 5

Convenient leatherette carrylng case makes Dyna-com 5 comfortably portabic. Complete with shoulder straps. Shpg. wt., 802. 42 H 2701

Net 5.95

## (D) Dyna-Pack

Neatly designed external battery pack with 10 "D" size dry cell batteries. Plugs into DYNA.COM 5 to assure reserve power when required in the field. Imported. $3 \times 31 / 0 \times$ $71 / \mathbf{z}^{\prime \prime}$. Shpg. wt., 4 lbs .
$99 \mathrm{H}^{\circ} 3101$ $\qquad$ Net 5.95
Replacement "D" Dry Cell Batteries. 99 H 6256 ( 10 required) $\qquad$ Ea. Net 15
10 for Net 1.20
Replacement "D" Alkaline Batteries. 32 H 4884 ( 10 required) _E. Ea. Net. . 65 Extra 10 Cell Battery Holder. 99 H 3131 $\qquad$ Net 1.95

## (E) 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 charge jack and into jack of Extra Back Battery Pack. Slze: $3 \%, \times 23 / 4 \times 2$ ". Imported. Shpg. wt., 2 lbs 99 H 3100

Net 9.95
(F) MIniature Top Loaded Antenna

Highly efficient coil loaded miniature antenna which mounts on top of collapsed tele. scopic antenna. It reduces antenna height to approximately $18^{\prime \prime}$. Improves physical interference-free moblity of Dyna-Com 5 where space is limited. Imported. Wt. 1 lb . 99 H 3143 $\qquad$ Net 4.50
(Not lliustrated)
Extra Crystals, Specify Channe:
42 H 0907C Transmit $\qquad$ Net 2.25
42 H 0135 C Recelve $\qquad$ Net 2.25
DYNA.COM 5-Modified for 26.62 Mc 99 H 3107 YL \$ 6 monthly $\qquad$ Net 89.95
DYNA-COM 5-Modified for 27.575 Mc 99 H 3108 YL \$6 monthly_ Net 89.95

Nicad Rechargeable Batterles.
32 H 4740 ( 12 required) _ea. Net 1.93
Alternate Heavy-Duty Alkaline Batteries 99 H 6294 ( 12 required) _ea. Net .29
ANTENNA ADAPTER CABLE Connects PL-259 plug of external antenna to Dyna-Com's external antenna jack.
42 H 0920
Net 2.95
Mobile cigarette lighter cable assembly per. mits operation of DYNA.COM from car. 12 volt DC cigarette lighter.
99 H 4605
Net 2.95


## TANOTHER Lofayefte


plus NEW Revolutionary


Electronic Miracle of The Space Agel A complete miniature circuit with 7 -transistars, and 3 -diades in a capsule na larger than a full-size transistar. Sets a new standard af reliability, perfarmance and compactness.


- 5 Watts of Input Power-Maximum Pawer Permitted by FCC For All Lisensed C8 2-Way Operation!
- 6 Switchable Crystal Contralled Transmit and Receive Channel Pasitions for All 23 Channels
- Integrated Circuit Used in Transmit, Receive, and Audia Limiting Circuits
- Mobile Operation with Cigorette Lighter Plug-In Adapter
- Public Address External Speaker Jack with PA Switch and PA Valume Cantrol


# TWO-Way RadIO FRRST!! 

## Integrated Circuit plus 12 Transistors and 5 Diodes For Super Performance

- Superhelerodyne Receiver With Less Than 1 Microvolt Sensitivity for $10 \mathrm{db} S+N / N$ Ratio
- Mechanical Filter for Superior Selectivity
- Automatic Compressor Range Boost
- Variable Squelch and Automatic Noise Limiting
- Battery Condition and Automatic Relative RF Power Oulput Indicator
- 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

Lafayette's star performer of the Dyna-Com walkietalkie 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 " $I C$ " is engineered into the audio section to virtually eliminate distortion and thus provide better reception with clearer transmission 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 Condition meter, and variable squelch. Can be con-
nected to any 12 V . DC power source, or operated from 110 V ., 60 cps AC with optional power supply. Attractive die-cast brushed aluminum case with shoulder carrying strap and crystals for channel 10. Size: $3^{1 / 4} \times 10^{1 / 2} \times 21 / 0^{\prime D}$. Shpg. wt., 5 Ibs.
99 H 3150L $\$ 5$ Monthly (less batteries) .... Net 99.95
Nicad Rechargeable Batteries ( 12 required)
32 H 4740
Net ea. 1.93
Alternate Alkaline Batteries ( 12 required)
99 H 6294 $\qquad$
Extra Crystals (Specify Channel)
42 H 0907C Transmit
Net 2.25
42 H 0135C Receive
Net 2.25
Dyna-Com 6 Modified for 26.62 Mc.
99 H 3178 YL $\$ 6$ Monthly
Dyna-Com 6 Modified for 27.575 Mc.
99 H 3179YL \$6 Monthly
Net 109.95
Net 109.95

(A) Battery Ellminator/Charger

Professionally designed attractive battery eliminator and charger for the Dyna-Com 6. Plugs into 117 VAC outlet to permit operation of Dyna-Com 6 as base station. Charges up to 12 nickel cadmium batteries at the rate of 40 milliamps per haur bath internally as well as externally. Contains individual power supplies for battery ellminator and for charger. Attractive front panel meter normally Indicates charging. When button is depressed the meter indicates the battery valtage. Negative ground only. Has fused AC line. Size: $75 / 6 \mathrm{H} \times 55 \mathrm{mD}\left(\right.$ at bottom) $\times 31 / 10{ }^{0} \mathrm{~W}$. 1 m . ported Shpg. wt., 5 lbs.
99 H 3147
(B) Extra Battery Pack

Consists of extra removable back of walkle talkie plus battery holder and 12 nickel cadmium rechargeable batteries. Permits charging of complete Battery Pack outside of walkie-talkie while an. other Pack is in use with DYNA-COM 6. Imported. Shpg, wt., 2 lbs.
99 H 3099
Net 27.50
(C) Case for Dyna-Com 6

Convenient leatherette carrying case makes Dyna-Com 6 comfortably portable. Complete with shoulder straps. Shpg. wt., 8 oz.
42 H 2701
....-............... Net 5.95

## (D) Dyna-Pack

Neatly designed external battery pack with 10 " $D$ " size dry cell batteries. Plugs into DYNA.COM 6 to assure reserve power when required in the field. Imported $3 \times 31 / 8 \times 71 / 2^{\prime \prime \prime}$. Shpg. wt., 4 lbs.
99 H 3101
Net 5.95
Replacement "D" Dry Cell Batteries. 99 H 6256 ( 10 required) .... Ea. Net .15 lats of 10 Net 1.20

## Replacement " $D$ " Alkaline Batterles.

 99 H 6292 ( 10 required)... Ea. Net .44. Extra 10 Cell Battery Holder. 99 H 3131Net 1.95
(E) Dyna-Charge

Charges from 8 to 15 nicad "Z" size cells. Recharging current, 40 milliamps. Buy Nowl Pay Later . . . Use Lafayette's Easy Pay Plan. No Money Down

117 v .60 cycle AC input. Plugs directly into DYNA-COM 6 charge jack and into jack of Extra Back Battery Pack. Size:
 99 H 3100 ..................................... 9.95
(F) Miniature Tap Loaded Antenna Highly efficlent cail laaded miniature antenna which mounts on top of callapsed telescopic antenna. It reduces antenna height to approximately $18^{\prime \prime}$. Improves physical interference free mo. bility of Dyna-Com 6. where space is limited. Imported. Shpg. wt., 1 Ib. 99 H 3143
..................
Earphone for Dyna-Com 6
99 H 2541 (Not Illus.)
Antenna Adapter Cable
Connects PL-259 plug of external antenna to Dyna-Com's external antenna jack.
42 H 0920 (Not Illus.) .............. Net 2.95
Mobile cigarette lighter cable assembly permits operation of DYNA-COM from car. 12 volt DC cigarete lighter. 99 H 4605 (Nat illus.) ............. N

Lafayette Cat. No. 680159

## 11495 <br> NO MONEY DOWN THROUGH!

## 23 Channel Crystal Controlled Two-Way Radio

## ALL CRYSTALS SUPPLIED

- 14 Tube Performance with 9 Tubes, and 9 Olodes
- Dual Conversion Recelver Feotures $8 / 10 \mu v$ Sensitivity
- Pi-Network and Low Pass Filter for Maximum Power Output
- Internal Range Boost Círcuitry for Greater Average Talk Power
- Built-In 117 VAC Power Supply, Operates Mohile with Optlenal 13 VDC Power Suppl,
- Variable Squelch Conirol with Standby Switch for Low Drain Instant Operation


WIRED To Accept
Priva-Com ${ }^{\text {© }}$
Private Call Unit
ALL CRYSTALS SUPPLIED


FEATURES

1. Range Boost Switch
2. Illuminoted "S"/"PRF" Meter
3. Illuminoted Channel Indicator
4. Single-Knob Chonnel Selector
5. Modulation Indicator Light
6. Front Panel PM Speaker
7. CB/Public Address Switch
8. Headphone/External Speaker Jack
9. Positive-Lock Mike Connector For Push-To-Talk Ceramic Microphone
10. 2.5 Kc Fine Tuning Vernier
11. Volume Control/ Power Switch
12. Adjustable Squelch Contral with Standby Switch for Low Drain Instant Operation
13. Wired-In Priva-Com Socket

Solid State Mobile 2-Way Radio

## 23 Crystal Controlled Channels

## ALL CRYSTALS SUPPLIED

Now with The Electronic Miracle of the Space Age

## ${ }^{\text {ONLY }} 1495$ NO MONEY

Accepts Priva-Com ${ }^{\text {® }}$ Plug-in Private Tone Caller

- 23 Transistars Including Integrated Circuitry, 9 Diades, 1 Thermistar
- Dual Canversian Far High Selectivity
- 3-Pasitian Crysial Delta Tune
- Transmit Made Indicatar Light
- Pi-Netwark far Oplimum RF Output
- Mechanical 455 KC Filter
- Autamatie S/Prf Illuminated Meter
- Variable Squelch Plus Series Gate Autamatic Naise Limiting
- Range Boast Circuitry far Added Talk Pawer
- Serves as a Public Address Amplifier with External Speaker
- Auxiliary Audia Input Jack
- 12 Valt DC Operation.


For Extra Performance and Years of Satisfactory Service

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 supplied. Dual conversion receiver incorporates 455 KC mechanical filter and revolutionary Integrated Circuit for high selectivity, superior adjacent channel rejection, and extra long life. Variable squelch quiets receiver when no signal is being received. Full time automatic noise limiter materially reduces undesirable noise interference. 3-position delta tune permits easy copy of off frequency stations. Powerful 5 watt transmitter features range boost modulation circuit which concentrates more audio power into the sidebands...results in greater effective range. Illuminated S/Prf meter indicates signal strength on receive and RF output in transmit. Full public address provisions include audio input jack for tape recorder, tuner, etc.

Supplied with PTT dynamic mike, mounting bracket, DC cable, and FCC License Form 505.
Size: $2^{3 / 3} \times 6^{1 / 4} \times 8^{\prime \prime}$. Imported. Shpg. wt., 11 lbs.
99 H $3156 \mathrm{WX} \$ 8$ Monthly .... Net 149.95 MODEL HB-502 AC POWER SUPPLY for 117 volts $A C$.
99 H 3086WShpg. wt., 8 Ibs. .. Net 16.95 MODEL HB-506 PORTABLE DC POWER PACK Attaches to HB-525C for convenient portable operation. Less Batteries. Shpg. wt., 2 Ibs.
99 H 3154 ................. Net 19.95
"C"' Dry Cell (8 req.) for HB-506

|  |  |
| :--- | :--- |
| 99 H 6257 |  |
| Lots of 10 |  |

99 H 6257
Lots of 10 ALTERNATE BATTERIES FOR HB-506 POWER SUPPLY
"C" Alkaline (8 req.)
99 H 6293
Ea. Net
.35
"C" Nicad (10 req.)
32 H 4888
CB Dynamic Desk Mike
Ea. Net
4.06

99 H 4608 ............................Net 11.95



## 23 Crystal Controlled Channels ALL CRYSTALS SUPPLIED ${ }^{\text {ourl }} 159^{\text {os }}$

NO MONEY DOWN
22 Transistor Performance From IC and 17 Transistors

## New Revolutionary



- Double Conversion Superhet Receiver
- Mechonical Filter Plus IC For Super Selectivity
- Excellent Sensitivity of Less Than $1 \mu v$.
- Range Boost Circuitry For Added Talk Power
- Accepts Priva-Com Plug-in Private Tone Caller
- Full Public Address Amplifier Provisians
- Illuminated Autamatic S/Pri Meter
- Variable Squelch Plus Noise Limiting
- Autamatic Transmit Indicator Light
- 3-Positian 士1.4 KC Crystal Delta Fine Tune
- Pi-Network For Oplimum RF Outpui
- TVI Trap Minimizes TV Interference


## Telsat ${ }^{\text {mim }} 23$ Deluxe Solid State 2 Way Radio

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 revolutlonary 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. Delta 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 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 Priva.Com 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: $4^{3} / \mathrm{HH} \times 111 / 10 \mathrm{~W} \times 8^{\circ} \mathrm{D}$. Imported. Shpg. wt., 11 lbs. 99 H $3157 W \mathrm{X} \$ 8 \mathrm{mo}$. .. Net 159.95

Dynamic Desk Stand Push-To-Talk Mike Shpg. wt., $11 / 2 \mathrm{lbs}$. 99 H 4608

Net 11.95


Deluxe External Features

1. Automatic "S"/Prf Meter 2. Channel Selector Dial
2. Channel Selector
3. Auxiliary Input Jack (rear)
4. Large PM Speaker
5. Priva-Com Socket (rear)
6. Transmitter RF Indicator
7. PTT Micraphone Sockel
8. Variable Squelch Contral
9. Volume/Off-on Control
10. Audio Outpul Jack
11. Aelta Fine Tune

with a 3-Stage R.F. Noise Silencer-CB's First Ie Noise Reducer in Our New DELUXE HB-625 Solid State 2-way Mobile Radio

## 18 Transistors + 3 I.C.'s=40 Transistor Performance!

- Selective Dual Conversion Superhet Receiver
- 3-Posifion Delfa Tune for Accurate Tuning
- Mechanical Filter for Superior Selectivity
- Front Panel Transmit Made Indicatar Light
- Push-To-Talk Dynamic Microphone with Cord
- Pi-Network for Optimum Signal To Antenna

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 KC 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 noise interference from getting into the receivers audio without cutting the incoming signal strength. This system has been proven to be vastly superior to common noise limiting techniques by actual field tests. Range Boost audio system uses rev-

- Variable Squelch Plus Automatic Noise Limiter
- Range Boost Circuitry for Added Talk Power
- Builf-in Public Address Amplifier Facilities
- Low Battery Drain-Instantaneous Operation
- Accepts Priva-Com Plug-in Privaie Tone Caller
- 12-Volt Portable or Mobile DC Operation
olutionary new IC microcircuits for the ultimate in efficiency with improved average modulation for increased effective talk power.
Dual conversion 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: $23 / 8 H \times 61 / 4 W \times 8^{\prime \prime} D$. Imported. Shpg. wt., 10 lbs .
99 H $3148 \mathrm{WX} \$ 10$ Monthly
Net 189.95

UNIQUE 3-STAGE RF NOISE SILENCER


HB-.625 "Special Package" $\begin{array}{ll}\text { SAVE } \\ \$ 6.95 & \text { ONLY }\end{array} 9095$

NO MONEY DOWN $\$ 10$ MONTHLY

SPECIAL HB-625 BASE STATION PACKAGE. Complete base station system includes the fabulous HB 625 23-channel NOISE SILENCER ransceiver with HB-502 power sup ply for 117 volt AC operation o B.625. Shpg. Wt., 18 lb

Net 199.95 MODEL HB-502 AC Power Supply 99 H 3086 w Wt., 8 lbs. ..... Net 16.95

MODEL HB- 506 PORTABLE DC MODEL HB- 506 PORTABLE DC to permit portable DC operation.

Includes battery pack (less batteries), telescopic antenna, and shoulder strap. Shpg. wt.,
99 H 3154
Batteries For HB- 506 Portable Pack. "'C" Cell ( 8 req.)
99 H 6257 . "C'" Alkaline ( 8 req.) ( 35 99 H 6293 "C" Nicad (10 req.) 32 H 4888 Dynamic CB Desk Net ea. 4.06 99 H 4608 (not illust.)....... Net 11.95


Modulated Signal With Noise Pulses


Same Modulated Signal With RF Noise Silencer On

Super qulet 3 stage RF Noise Silencer utilizes a revolutionary 10 transistor 8 diode integrated circuit to achieve 12 transistor overall performance. Unlike other slmple nolse reducing circuits which operate in the audio stage to merely limit the noise, the RF noise silencer employs a receiver circuit to actually silence impulse-eliminates it before it even reaches the audio stages! You get spectacular reduction of ignition noise wlthout 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.
New Revolutionary


Advanced technological skills have created an achievement which revolutionizes electronics... the INTEGRATED CIRCUIT. The IC's used by Lafayette contain many transistors and other electronic com. ponents in a capsule no larger than a conventional transistor. Construction utilizes a newly developed art of microphotographic etching. Since each IC is repro.
duced directly from a microscopically accurate photoduced directly from a microscopically accurate photo. graphic master the possibility of hioden laws or years the IC unit requires less servicing than full sized transistor circuits because of the absence of wires or parts which can become unsoldered or loosened by vibration. IC miniaturization has permitted the use of additional circuits to attain a new performance high. At the least INTEGRATED CIRCUITS provide greatly increased reliability with small size and reduced power draw

# LAFAYETTE Economy 2-Way Radio Systems! 

## COMSTAT 23 MARK V 23 CHANNEL CB 2-WAY SYSTEMS

| BASE SYSTEMS |  |  |
| :---: | :---: | :---: |
| Comstat 23 Mark V CB Transceiver.... 114.95 |  |  |
| Heavy Duty Ground Plane Antenna ..... 9.95 |  |  |
| 50 Ft. RG-8/U Low-Loss Cable Assembly $\qquad$ 8.50 |  | (9) |
| TOTAL 133.40 |  |  |
| 42 H 9136 WXM Shpg. wt., 23 lbs . Net 127.95 | Pkg Price | Pkg Price |
| Above system with "Range Boost II" Deluxe $1 / 2$ wave end fed antenna instead of ground plane antenna. Shpg. wt., 29 tbs. |  |  |
| 42 H 9137 WXM <br> Net 136.95 <br> SAVE 6.45 from individual catalog prices! | SAVE 5.45 <br> from individual catalog prices! | SAVE 6.20 from individual catalog prices! |

## MOBILE SYSTEMS

Comstat 23 Mark $V$ CB Transceiver .... 114.95 HA-19 Mobile Power Supply Stainless Steel Body Mount Whip Antenna
20 Ft. RG-58/U Coaxial Cable
Assembly
TOTAL 136.15
42 H 9133 WXM Shpg. wt., 17 lbs . Net 129.95 Same system as above except with bumper mount antenna instead of body mount antenna.
42 H 9134 wxM Shpg. wt., 16 Ibs. Net 131.50 SAVE 6.65 from individual catalog prices!

Same system as 42 H 9134 WXM except with CB/AM combinatlon broadcast and CB cowl mount antenna.
42 H 9135 WXM Shpg. wt., 16 Ibs. Net 128.95 save 5.45 from individual catalog prices!

## Comstat 25A CB 2-Way Systems

## BASE SYSTEMS

Comstat 25 A CB Transceiver Heavy Duty Ground Plane Antenna $\quad \mathbf{9 . 9 5}$ 50 Ft. RG-8/U Low-Loss Coaxial Cable $\quad \mathbf{8 . 5 0}$

TOTAL 158.40 42 H 9102 WXM Shpr. wt.. 27 Ibs. Net 150.50 SAVE 7.90 from individual catalog prices. Same package as above except with "Bange Boost $11^{\prime \prime}$ high gain $1 / 2$ wave length base station antenna Instead of Ground Plane antenna. Shpg. wt., 33 Ibs.
42 H 9103 WXM
Net 159.95 SAVE 8.45 from individual catalog prices.

## MOBILE SYSTEMS

Comstat 25A CB Transceiver
139.95

Stainless Steel Body Mount Whip Antenna
6.95

20 Ft . RG-58/U Coaxial Cable Assembly
2.75

TOTAL 149.65
42 H 9098 wxM Shog. wt. 21 Jbs. Net 142.95
Same system as above except with Bumper Mount instead of Body Mount antema. Shpg. wt., 20 lbs.
42 H 9099WXM
Net 144.50
SAVE 7.15 from individual catalog prices. Same as above except with CB/AM combination Broadcast and CB Cowl Mount antenna instead of Bumper Mount antenna.
42 H 9101 WXM
Net 141.95
SAVE 5.95 from individual catalog prices

## System Price

$150^{50}$ SAVE 7.90

From Individual Catalog Prices

## System Price

$142^{95}$
SAVE 6.70

From Individual Catalog Prices

## Comstat 19 CB 2-Way Systems

## BASE SYSTEMS

Comstat 19 Citizens Band Transceiver 59.95 Heavy Duty Ground Plane Antenna 9.95 50 Ft . RG-8/U Low-Loss Coaxial Cable 8.50 TOTAL 78.40

42 M 9057 WXM Shpg. wt., 221/2 lbs.

Net 74.50
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., $281 / 2 \mathrm{lbs}$.
42 H 9077WXM
Net 83.95
YOU SAVE 4.45 from individual catalog prices.

## MOBILE SYSTEMS

Comstat 19 CB Transceiver
59.95

Mobile Power Supply (Neg. or Pos. Ground)
11.50

Stainless Steel Body Mount Whip Antenna
6.95

20 Ft. RG-58/U Coaxial Cable
2.75

Assembly
TOTAL 81.15
42 H 9104 wXM Shpg. wt. 201/2 lbs.

Net 76.95
Above except with Bumper Mount instead of Body Mount Antema.
42 H 9105 WXM Shpg. wt.,
194/2 lbs.
Net 78,50
SAVE $\$ 4.65$ from individual catalog prices

Package Price
$74^{50}$
SAVE 3.90

From Individual Catalog Prices

## Package

 Price$76^{35}$

SAVE
4.20

From Individual Catalog Prices


# LAFAYETTE Economy Solid State 2-Way Radio Systems! 



## MODEL HB-23 SYSTEMS

## MOBILE SYSTEMS

HB-23 Solid State CB Transceiver . 99.95 Stainless Steel Body-Mount Whip Antenna
6.95
.
42 H 9113 WXM Shpg. wt., 13 lbs. Net 104.95
Same systems as above except with bumper mount antenna. Shpg. wt., 12 lbs.
42 H 9114 WXM ................. 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 H 9115 WXM Shpg, wt., 10 lbs. Net 102.95 SAVE 3.95 from individual catalog prices!

## BASE SYSTEMS

HB-23 Solid State CB Transceiver
99.95

Model HB-502 117 VAC Solid State Power Supply
16.95

Heavy Duty Ground Plane Antenna
9.95

50 Ft . RG-8/U Low-Loss
$\begin{array}{lr}8.50 \\ \text { Coaxial Cable Assembly } \\ & 135.35\end{array}$
42 H 9116 WXM Shpg. wt., 27 lbs. Net 129.95 Same as above except with high gain "Range Boost II" base station antenna. 42 H 9117 WXM Shpg. wt., 33 lbs . Net 137.95 SAVE 7.40 from individual catalog prices!

Package Price

$104^{95}$ SAVE 4.70
from individual catalog prices!

## Package Price

$129^{95}$
SAVE
5.40
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 Coaxia! Cable Assembly 2.75 TOTAL 159.65
42 H 9118 wxM Shpg, wt., 15 lbs. Net 152.95 Same system as above except with bumper mount antenna. Shpg. wt., 14 lbs.
42 H 9119 WXM
Net 154.75
SAVE 6.90 from individual catalog prices! H8-525C plus CB-AM Adapter Antenna. Adapts regular cowl mount AM broadcast antenna for $A M$ and $C B$ operation.
42 H 9120 wXM Shpg. wt., 12 lbs . Net 151.95 SAVE 4.95 trom individuat catalog prices!

## BASE SYSTEMS

HB-525C Solid State C8 Transceiver 149.95 Model HB-502 117VAC Solid State

Power Supply

## Package Price

$152^{95}$
SAVE
6.70
from individual catalog prices!

## Package Price $177^{95}$

 SAVE 7.40 from individual catalog prices!

## TELSAT-23 23-CHANNEL SYSTEMS mOBILE SYSTEMS

Telsat 23 Solid State CB Transceiver 159.95 Stainless Steel Body Mount Antenna ...... 6.95 20 Ft . RG-58/U

Coaxial Cable Assembly $\qquad$ 2.75
9.95 42 H 9123 WXM Shpg, wt., 19 lbs. Net 162.50 Same system as above with Trunk mount mobile antenna that requires no mounting holes instead of body mount whip antenna. Shpg. wt., 20 Ibs
42 H 9124 WXM
Net 164.95
SAVE 7.74 from individual catalog prices! Telsat 23 plus CB.AM Adapter Antenna; antenna converts regular car antenna for operation on AM broadcasts and CB. Shpg. wt., 16 lbs .
42 H 9125 WXM
Net 161.95
SAVE 4.95 from individual catalog prices!

## BASE SYSTEMS

Telsat 23 Solid State CB Transceiver 159.95 Heavy Duty Ground Plane Antenna .... 9.95 50 Ft . RG-8/U Low-Loss

Cable Assembly
TOTAL $\begin{array}{r}8.50 \\ 178.40\end{array}$
42 H 9126 WXM Shpg. wi., 25 lbs. Net 171.95
Same system as above except with "Range Boost $11^{\prime \prime} 1 / 2$ wave length high gain base station antenna instead of ground plane antenna. Shpg. wt., 31 lbs.
42 H 9127 WXM
Net 181.50
SAVE 6.90 from individual catalog prices!

## Package Price <br> $162^{50}$

SAVE
7.15
from individual
catalog prices!

## Package Price

from individual catalog prices!

Model HB-625 Deluxe 23 Channel Systems MOBILE SYSTEMS
Model HB-625 Deluxe Solid State CB Transceiver
Stainiess Steel Body Mount Antenna 189.95 20 Ft. RG-58/U

Coaxial Cable Assembly
2.75 TOTAL 199.65
42 H 9128 wxm Shpg. wt., 27 lbs. Net 190.95 Same system as above except with bumper mount instead of body mount whip antenna. Shpg. wt., 26 lbs.
42 H 9129 WXM
Net 192.50
SAVE 9.15 from individual catalog prices! Same system as 42 H 9129 WXM except with mobile trunk mount instead of bumper mount antenna (no holes required). Shpg. wt. 28 lbs.
42 H 9130 WXM
42 H 9130 WXM
SAVE 9.19 from individual catalog prices!

## BASE SYSTEMS

Model HB-625 Deluxe Solid State CB Transceiver
189.95

Model HB. 502 Solld State 117 VAC
Power Supply
Heavy Duty Ground Plane Antenna
50 Ft . RG-8/U Low-Loss Cable
16.95 8.50
225.35

42 H 9131 WXM Shpg. wt., 31 lbs, Net 213.95 Same system as above except with "Range Boost II' Deluxe $1 / 2$ wave end-fed base antenna instead of ground plane antenna. Shpg. wt.. 37 lbs.
42 H 9132 WXM
Net 219.95

## Package Price

## $190^{95}$

SAVE 8.70
from individual catalog prices!

## Package Price

## $213^{95}$

## SAVE

11.40
from individual catalog prices!

# NOW! Quiet, Private Communications for Your Whole Fleet! 

Select One Of 10 Different Dual Tone Frequencies... Single Out The Mobile You Want To Reach!<br>All At The Push Of A Button!<br>${ }^{\text {onlt }} 129^{95}$<br>No Money Down



- Push-button Selection Of Calls - Indicator Lamps Signal and Identify Incoming Calls
- External Speaker/Hom 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
- Compalible With Priva-Com III and IV

23 Transistors, 13 Diodes, 6 Thermistors and 5 Tuning Fork Filters

## NEW! LAFAYETTE PRIVA-COM ${ }^{\star} 10$ SOLID STATE BASE STATION SELECTIVE ENCODER-DECODER

The new Lafayette Priva-Com 10 is a boon to users of multiple mobile or remote stations. Now you can reach a specific mobile unit in your fleet at the push of a button... your communications are truly private. 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 10 different dual tone frequencies. The remote mobile remains quieted until the call signal from the Priva-com 10 activates the receiver. When the remote or mobile station initiates a call to the base station, the Priva-Com 10 indicator lamps signal
and identify the call. The indicator lamps remain lit until the reset button is depressed. With a remote speaker or horn connected to the externat speaker/horn terminals an audible signal can be heard with the Incoming call. A standby switch permits continuous active operation with a minimum of current drain. AC convenience outlet for tamps, etc. Attractively styled with brushed aluminum panel and olled watnut wood case. For 115 volt AC $50 / 60$ cycle operation. NOT COMPATIBLE WITH HA-100, HA-200, Priva-Com II, Priva-Com V, AND Priva-Com VI. Size $10^{1 / g^{\prime \prime} W}$ W. $\times 7 \%^{\prime \prime} \mathrm{D}$. $\times 33 / 4^{\mu} \mathrm{H}$. Shpg. wt., 6 lbs. 99 H 3161 \$ 7 Monthly

Net 129.95

## LAFAYETTE PRIVA-COM ${ }^{\text {® }}$ III SOLID STATE PRIVATE ENCODER-DECODER



For Lafayette 12 Volt Solid State Transceivers

- 9 Transistors plus 2 Diodes
- No Reed Relay Contact Points-Longer Life!

Only 2495

- For Quiet, Private Communications
- Dual Tone Minimizes Stray Signal Interference

No Money Down

- 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.
Real Tiny: $11 / 4 \mathrm{H} \times 35 / 3 \mathrm{~W} \times 61 / 6{ }^{\circ} \mathrm{D}$. - Compatible with Lafayette Priva-Com IV and Priva-Com 10

Using a new ingeniously designed ceramic and resonant tuning fork circuitry instead of conventional reed reiays, the Priva-Com III is exceptionally adaptable for reliable moblle as well as fixed station performance. Its tiny size makes it a handsome mate for even the smallest solid state CB transceivers. Its dual tone signal minimizes the possibility of the transceiver speaker being turned on by stray Ignition and power line signals. The Priva-Com lil mutes the receiver. When Its call switch is activated, either at base or moblle stations, the transmitted dual tone is recelved by the other Priva-Com III. The CB receiver is activated and the indicator light goes on. This light
stays on until manually reset. Both base and mobile units can initt. ate calls at any time. The Priva-Com III features simple-to-operate push-button switches for Standby, Normal, Call and Reset; a Volume Control; Indicator Light; and a sturdy moblle bracket for mounting under dash, under transceiver, etc. Supplled. with 2 plug-in selective ceramic and resonant tuning fork filters, one for 817.5 CDS. and one for 997.5 cps tone frequencies. Size: $11 / 4^{*} \mathrm{H} \times 35{ }^{\circ} \times 6 \mathrm{~K} / \mathrm{m}^{\circ} \mathrm{D}$. Imported. Shpg. wt., 3 lbs.

99 H 3117 \$5 Monthly
Net 34.95

## PRIVA-COM* IV PRIVATE TONE CALLER

Same as Priva-Com III except for use only with Lafayette H8-444/25 (Starting with Serial No. 12101) and for Comstat 25 (starting with

Serial No. 21351). $35 / 6 " W \times 61 / s_{0}{ }^{*} D \times 11 / 4 " H$. Shpg. wt., 3 lbs. Compatible with Priva-Com III, and Priva-Com 10.
99 H 3123
LAFAYETTE PRIVA-COM ${ }^{\circledR}$ 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 recelver until a Priva-Com dual tone slignal is received. The speaker is then activated for audible communications. For use with Lafayette Comstat 25 (up to and including serial No. 21350 ONLY, HB-444/25 (up to and including serial No. 12100 ONLY), Comstat 23, H8-444, HE-20,A,8,C HE-90, HB-111, HB-200, HB-222, HB-333, and HB-400. Not compatible with Priva-Com III, Priva-Com.IV,
 42 H $0149 \$ 5$ Monthly

Net 37.95
LAFAYETTE PRIVA-COM VI PRIVATE ENCODER-DECODER FOR LAFAYETTE SOLIO 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-5258, 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 III, Priva-Com IV, or Priva-Com 10. Shpg, wt., 3 lbs. 42 H $0150 \$ 5$ Monthly

Net 37.95

NOTE: "A"" Priva-Coms can be used only with the same or other "A" Priva-Coms. "B" Priva-coms can be used only with the same or other " $B$ " priya-Coms. " $A$ " units CANNOT be used with " $B$ " units. "A" Priva-Coms: Priva-Com II, Priva-Com 10, Priva-Com TV (Only for use with Lafayette Comstat 25 serial No. 21351 and up, and HB -444/25 serial No, 12101 and up).
"B" Priva-Coms: Priva-Com II, HA-100, HA-200, Priva-Com V, and Priva-Com VI.

## LAFAYETTE-Headquarters for Popular Citizens Band Transceiver Crystals

 - Better than FCC Requirements!- Give Your Transceiver That Extra Sock!


Our Low

A complete listing of transmitting and receiving crystais for the most popular Citizen Band Transceivers and Walkie-Talkies on the market today. These crystals are available for any channel from 1 to 23. When ordering be sure to specify stock number and channel desired.

Extremely accurate 3 rd overtone crystals are precision made and meet F.C.C. tolerance requirements of . $005 \%$. No crystal required in receiver circult of these transceivers. Shpg, wt., 3 oz. Specify stock number and channel desired

## LAFAYETTE CB EQUIPMENT

| MODEL | CRYSTAL TRANSMIT | STOCK NO. RECEIVE |
| :---: | :---: | :---: |
| HE-15, A, B | 42 H 4201 C | * |
| HE-20, A, B, C | 42 H 4201C | 42 H 4202C |
| HE-20D | 42 H 0136 C | 42 H 0137 C |
| HE-20T | 42 H 0907 C | 42 K 0137C |
| HE.43, A, B, C | 42 H 4201 C | 42 H 4202C |


| MODEL | TRANSMIT | RECEIVE |
| :--- | :--- | :--- |
| HE-90 | 42 H 4201C | 42 H 4202C |
| HB-111 | 42 H 4701C | 42 H 4202 C |
| HB-115, A | 42 H 4201C |  |
| HA-150 | 42 H 0907C | 42 H 0137 C |
| HB-200 | 42 H 4701C | 42 H 4202C |


| MODEL | CRYSTAL TRANSMIT | STOCK NO. RECEIVE |
| :---: | :---: | :---: |
| HA-450 | 42 H 0907C | $42 \mathrm{H} \mathrm{0135C}$ |
| HB-500, A | 42 H 0907 C | 42 H 0908C |
| HB-555 | 42 H 0907C | 42 H 0139 C |
| Comstat 9 Kit | 42 H 4701 C | 42 H 0914C |
| Comstat 19 | 42 H 4701 C | 42 H 4702C |

## LAFAYETTE

## "WALKIE-TALKIE" CB TRANSCEIVERS

(Specify Channel with Crystal Stock No.)

| HE-29, A, B | 42 H 4201 C | 42 H 4233 C | HE. 82 | 42 H 4201C | 42 H 4233 C | HA-295 | 42 H 0907C | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HE-29C, D | 42 M 0907C | 42 H 0137C | HA 85, A | 42 H 0907C | 42 H 0137 C | HA $300, A, B$ | 42 H 0907 C | 42 H 0137 C |
| GT-50, A | 42 H 0907C | 42 H 0137 C | HE. 88 | 42 H 0907C | 42 H 0137 C | HA-303 | 42 H 0907 C | 42 H 0137 C |
| HA-60, A | 42 H 0907C | 42 H 0137 C | HA-99 | 42 H 0907C | 42 H 0137C | HA-305, HA-711, A | 42 H 0907C | 42 H 0137 C |
| HA-62, A | 42 H 0907C | 42 H 0137C | HE-100, A, B. | 42 H 0907C | 42 H 0137 C | Dynacom 2 | 42 H 0153 C | 42 H0135C |
| HE.66 | 42 H 4201 C | 42 H 4233C | HA-130A | 42 H 0907C | 42 H 0137C | Dynacom 3 | $42 \mathrm{Hol53C}$ | 42 H0135C |
| HA. 73 | 42 H 0907C | 42 H 0137C | MA-135 | 42 H 0907C | 42 н 0137 C | Dynacom 5 | 42 H 0907 C | 42 H 0135 C |
| HE-75 | 42 H 0907C | 42 H 0137C | HE-210, A | 42 H 0907C | 42 H 0137C | Dynacom 6 | 42 H 0907C | 42 H 0135 C |

## POPULAR TRANSMIT CRECIVE

Allstate (Sears)

6450, 6455
6550
6552
6556
6558
AMD, AMD 9, 15-020 Amphenol 510-B 600, 625, 650 Apeico AR-9 Arkay SQ9, SQ9W Arvin Mod. 42R99 Bendix CB-6, CB- 12 Bendix MM-8 Browning S-9 Browning Eagle S-23 Browning T2700S Browning 23/9 Burstein-Applebee 22 Cadre C-75
Cadre 510, 510A Cadre 515, 520, 525 Channel Master 6552 6553, 6554
Channel Master 6427 6428
CItifone CD5, CD6
CD7. 11, 99
Claricon 15-020.
15-030, 15.050.

> 15-060

Courier "Fleet"
Courier 12
Courler TR-6, TR-12
0aystrom DM348
Demco CB 1A. T110A De Wald TR-800, 910 TR-1000, 1050A Éco 760, 761, 762 $770,771,772,777$ Eico "Sentinel 12" Electron. Whalesalers "Bir E"
Fanon FCB-9. MCB-99 Fanon FCB 3A, 4A, 5A
$6,11,12,13,55$. 90, 91
Gen. Rad. Tel. MCl
MC.2. MC-3 Echo 9 MC-4, MC-5, MC-6
EMS. EM6
VS 2, 3, 4
Vs $5,6,7$
Globe CB100A
Globe Pocket Phone
Gonset G11, G12.
G14, G15
Hallicrafters CB-2

42 H 4204 C 42 H 4205 C 42 H 4215 C 42 H 4227 C 42 H 4213 C 42 H 4245 C 42 H 4219 C 42 H 4205 C 42 H 4219 C 42 H 4237 C 42 H 4204C 42 H 4205C 42 H 4213 C 42 H 4224 C 42 H 4213 C 42 H 4237 C 42 H 4241C 42 H 4233C 42 H 4201 C 42 H 4211 C 42 H 4201 C 42 M 4233 C 42 H 4242 C 42 H 4202 C 42 H 4701 C 42 H 4243 C 42 H 4201 C
42 H 4216 C
42 H 4201 C
42 H 4212 C
42 H 4201 C
42 H 4213 C 42 H 4223 C 42 H 42 13C 42 H 4224 C 42 H 4213 C 42 H 4224C

42 H 4204 C 42 н 4205C 42 H 0136 C 42 H 4237 C 42 H 0136 C 42 H 4205C 42 H 4214 C 42 H 4225 C 42 H 4214C 42 H 4225 C

42 H 4204 C 42 H 4205C 42 H 4701 C 42 H 4233C 42 H 4201 C 42 H 4233 C 42 H 4213 C 42 H 4244 C 42 H 4201C 42 H 4211C 42 H 4701 C
42 H 4201 C
42 H 4201 C 42 H 4202C 42 H 4214C 42 H 4210 C 42 H 4214C 42 H 4210 C 42 H 4201 C 42 H 4233 C

42 H 4201 C
42 H 4201 C 42 H 4233C

42 H 4219 C 42 H 4205 C 42 H 4201 C 42 H 423 C 42 H 4201 C 42 H 4233 C 42 H 4701 C 42 H 4233 C 42 H 4701 C 42 H 4233 C 42 H 4701 C 42 H 4238 C 42 H 4201 C 42 H 4238C 42 H 4201 C 42 H 4233 C 42 H 4204C 42 H 4205C

42 H 4242C 42 H 4202C 42 H 4215 C 42 H 4227 C

MODEL TRANSMIT RECEIVE

CB-3. A. 5, 9, $10 \quad 42$ H 4215C 42 H 4227 C CB-5A, CB-7
CB-11
CB-12, CB-19
Hallicrafters CB15
CB-17. CB-27 CB20
Hallmark Duo-Comm. E212, 512, 1250 Hammarlund

HQ105TR, CB- 205 Hammarlund CB5, 6 CB212, CB214 Heath CB-1

CB-2, MW-33
GW.10, 11, 12
GW-22, 32, 42
GW-21, W-52
GW-30, 31, R220 Int. Exec. 10
Int. Exec. 50, 100 Int. Exec. 100A, C, D, CT250, 5A2. 5B2 Johnson Mess. 1, II 111, 300
Johnson Mess. 100
Knight C-11
Knight C-100
Knight 2500
Knight 2550, 2580 Knight KG4000 Knight KN2590 Knight C560

KN 2520, KN2522 KN2585
Lloyd's Model WT901 Magnavox WT101 Metrotek Starfire Metrotek " 7110 " ECO "Mustang," "Pacers" Metrotek Pacer II

## Metrotek "Bronco".

 "Charger" $\dagger$Midland $13-160$
Midland 13-108-111
Midiand 13-120, 132.
$-133,-143,-150$
Olson RA-530
Olson RA-396, 442
Ols on RA-443
Ols on RA. 446
Olson RA-482. 521 Olson RA-638, S-9 Olson 717
Pace 5000, Pace 11 Philmore TC-90, 95

42 H 421 ISC 42 H 4227 C 42 H 4215 C 42 H 4205 C 42 H 4213C 42 H 4245C 42 H 4219 C 42 H 4205 C 42 H 4204 C 42 H 4227 C 42 H 4213 C 42 H 4240 C 42 H 4201C
42 H 4201 C 42 H 4233 C

## 42 H 4201C

42 H 4701 C 42 H 4202 C 42 H 4215 C 42 H 4235 C 42 H 4201 C
42 H 4201 C 42 H 421 C 42 H 4201 C 42 H 421 C 42 H 4201 C 42 H 4211 C 42 H 4216C 42 H 4228C 42 H 4216C
42 H 4701 C
42 H 4701 C 42 H 4230 C
42 H 4701 C 42 H 4230 C 42 H 4215 C 42 H 4235C 42 H 4219 C 42 H 4237C 42 H 4219 C 42 H 4205 C 42 H 4201 C
42 H 4216 C
42 H 4201 C 42 H 4202 C 42 H 4201 C 42 H 4202 C 42 H 4216 C 42 H 4228 C 42 H 4701 C 42 H 4211 C 42 H 4236 C 42 H 4202 C 42 H 4219 C 42 H 4248C 42 H 4201 C 42 H 4211 42 H 4204 C 42 H 4205 C 42 H 4204C 42 H 4205 C 42 H 4201 C 42 H 4211 C 42 H 4701 C 42 H 4235 C 42 H 4701 C 42 H 4211 C 42 H 4246 C 42 H 4248 C

42 H 4213 C 42 H 4248 C
42 H 4201 C 42 ~ 4202 C 42 H 4204C 42 H 4205C

42 H 4204C 42 H 4205C 42 H 4201 C
42 H 4201 C 42 H 4202C 42 H 4201 C 42 H 4202C 42 N 4204 C 42 H 4205 C 42 H 4201 C 42 H 4233 C 42 H 4216 C 42 H 4249 C 42 H 4701 C 42 H 4211 42 H 4219 C 42 H 4253C 42 H 4201 C 42 H 4233 C

MODEL TRANSMIT RECEIVE
Philmore TC-11, 6-12 42 H 4201C
Pearce Simpson
CBD-5
42 H 4247C 42 H 4252C
Pearce Simpson, Escort
Companion I and II. Sentry
Pearce Simpson
Companion III
Poly Comm. PC.11, G
PC-12G, PCN-N
PRO, PC-4, 8
Raythe on TWR5, 6, 7,
8,9, TWR-11, 11A,
MW.2, 3, AM-100
RCA MK VII
RCA MK VIII, IX
RCA MKX
Realistic TRC 6448
TRC-X20, 94L594
Realtone TR-6436
Regency CBM27
Ross 100, 300, RE999
Ross 200
Shell CB12
Sonar D. Com CBP
Sonar G
Sonar "H"
Sony
Spacephone Mark II
\$2100
\$2100
Tokal TC130, TC911.
TC912
Utica MC-27, TC-27
Utica T. Cll
Utica Mariner
Vocaline E0276
Vocaline ED27M
Webster WT-2
Webster 550.565
Western Auto 190
Western Auto TRE512
Westinghouse TR-1.
TR-2. H869TC9,
H963TC8GP
World Radio ECBK
"Champion 77"
"Hustler"

42 н 4250 C 42 H 4252C
42 H 4219 C 42 H 4205C
42 H 4220 C 42 H 4231 C 42 H 4220 C 42 H 4231 C 42 H 4220C 42 H 4231 C

42 H 4213 C 42 H 4240 C 42 H 4215 C 42 H 4227 C 42 H 4236 C 42 H 4227 C 42 H 4213 C 42 H 4253 C

42 H 0136 C 42 H 4205 C 42 H 4201C 42 H 4233 C 42 H 420 1C 42 H 4233C 42 H 4201 C
42 H 4216 C 42 H 4228 C 42 H 4216 C
42 H 4201 C
42 H 4201 C 42 H 4233 C 42 H 422 C C 42 H 4232 C 42 H 4251 C 42 H 4232 C 42 H 4216 C 42 H 4249 C

42 H 4216 C
42 H 4204C 42 H 4205 C 42 H 4201 C 42 H 4226 C 42 H 4201 C 42 H 4226 C 42 H 4201 C 42 H 4222 C 42 H 4222 C
42 H 4213 C 42 H 4240 C 42 H 4213 C 42 H 4240 C 42 H 4201 C 42 H 4233 C
42 H 4201 C 42 H 4233 C

42 H 4216 C 42 H 4228 C 42 N 4201 C
42 H 4201 C 42 H 4233 C
42 H 4701 C 42 H 4211

Business Radio Crystals for HB-600. Specify one of following crystal frequencies for which you have been licensed by Federal Communications Commission.
27.235MC, 27.245MC, 27.255MC,
$27.265 \mathrm{MC}, 27.275 \mathrm{MC}$
42 H 0132 C (Specify frequency) .... Net 3.95 Model HB-600 uses one crystal per frequency. This crystal functions both as a transmit and receive crystal.

# Improve Your CB Performance With LAFAYETTE Accessories 



- Avoid TV Set Interference

Made in U.S.A.

- 50 db Attenuation of Radiated Spurious and Undesirable Signals!
- Simple Installation

Designed to effectively reduce TVI which may be eminating from your CB transmitter. This professional quallity filter attenuates radiated 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 S0. 239 connectors. Just place unit between transmitter and antenna. Impedance is $\mathbf{5 0 . 7 5}$ ohms and connections may be reversed for same impedance match. Max. power rating is 100 watts. Very well constructed with spot-welded case and finished in dark metal. lic grey. Size: $5 \times 2 \times 13 / 4^{\prime \prime}$. Shpg. wi., $11 / 2 \mathrm{lbs}$.
42 H 0123

## LAFAYETTE QUIAT-COM ${ }^{\text {TM }}$ SOLIO STATE VIBRATOR

TRANSISTORIZEO 12 VOLT CB REPLACEMENT VIBRATOR

- No Vibrator Hash Noise
- Much Longer Vibrator Life
- No Mechanical Noise
- More Efficient, Cooler Operation
- Uses Top Grade
 Transistors from Famous Manufacturer .. . NO Surplus Transistors!
onty
Made in U.S.A.

Exceptionally efficient replacement for CB vibrators, as well as for vibrators used in Amateur and communications equipment rated up to 85 -watt consumption. Available in POSITIVE Model and in NEGATIVE Model. For 12 volt operation only. Shpg. wt., 1 lb . Quiat-Com Positive Model
Replaces vibrators with Pin \& Positive. 42 H 0121 Positive Qulat.Com ........ Net 5.95 Qulat-Com Negative Model
Replaces vibrators with Pin 1 Negative. 42 H 0122 Negative Qulat-Com ….. Net 5.95

## LAFAYETTE AUTO-MARINE ENGINE NOISE SUPPRESSOR KIT



- A Must for Mobile CB and Ham Operators
- 14 Components Plus Hook-up Wire
This easily Installed kit will effectively suppress ignition, generator and voltage regulator noise. Consists of 8 spark plug suppressors; 1 distributor suppressor, 1 voltage regulator suppressor; a coaxial capacitors; shielded cable and braid for wiring filter system. All necessary hardware and instructions for installation are included. Shpg. wt., 2 lbs. 42 H 0905

Net 9.45

## GENERATOR NOISE FILTER

- Freq. Range 3-30 mcs
- Simple to Install Adjustable
- Maximum Current 25 Amps

Enables quiet receiver
 operation for Citizens Band. Amateur and indus. trial frequencies. Stand. ard frequency range 3.30 mes. Maximum current 25 amps. Imported.
99 H 6018 Shpg. wt., 1 tb
Net 2.49
VOLTAGE REGULATOR FILTER

- Will Operate on

6-12-24 \& 32 Volt
Systems at all Frequencies


Eliminates noises in communication receiv. ers caused by points in voltage regulator. Not voltage or frequency critical-no tuning required. Wt., 802.
42 H 8901
Net 2.95

## ALTERNATOR NOISE FILTER



A highly effective filter for alternator equipped automoblles. Attenuates alternator noise by 50 db . Can operate up to 32 volts DC. Results in quiet mobile receiver operation. Shpg. wt., 802.
42 H 4900
Net 3.29

For all 6 and 8 -cylinder cars to suppress wide band pulse noise created by the distributor, spark plugs and generator "hash" Includes sarkplus suppressors, generator and light or ammeter by-pass capecitors. Complete with easy installation instructions. Shpg. wt., 6 oz.
11 H 7105 for 6 -cylinder cars .........Net 2.39 11 H 7106 for 8-cylinder cars ........ Net 2.69

## FEED-THRU NOISE SUPPRESSORS

These 3-terminal network feedthru capacitors act as extremely effective R.F. fllters above 2MC. Eliminates and suppresses the majority of nolses due to regulators and generators interiering with 27MC citirens band frequencies. Rated . 1 MFD/600 Volts DC 20 Amps.


- For Solid State Transceivers and

Receivers with 455 KC or lower IFs
The Kolin NLT solid state noise limiter com bines effective impulse noise suppression with an increase in overall receiver gain for improved readability of weak AM signals Especially designed for use in today's solid state transcelvers and receivers. When switched into operation. weak signals will seem to "pop" out. and the noise will be reduced to a hiss. Operates on suppiy voltages of 9 to 15 VOC. Complete with installation Instructions. Size: $21 / 4 \times 11 / 2 \times 1 / 4^{\prime \prime}$
42 H 4511 Shpg. wt.. 8 oz .... Net 14.95
 Volis DC 20 Amps.
Feed-Thru Suppressor (Screw Terminals) ${ }^{1 K}$ Diam. $\times 1$ 'K. length. Shpg. Wt., 402

## 42 H 0922

Net .95
Feed-Thru Suppressor $11 / 6$ Diam. $\quad 1$ 1K. length. Shpg. wt., 402. 42 H 0923

Net .95

## LAFAYETTE-Headquarters for CB Accessories

## LAFAYETTE CB NUVISTOR PREAMPLIFIER



LAFAYETTE G-VOLT TO 12.VOLT DC CONVERTER


## $19^{95}$

- 1-Amp Output
- Solid State Circuitry

Great news for CB'ers with 6 VDC negative, or positive ground battery systems. Now you can install a mobile communications system using your present 6 VDC system. Operate your H8-500, HB-500A. H8-525, H8555. HB-600, H8-600A 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 miniature remote control panel with on-off switch and pilot light indicator. Size: $5^{11 / 6 x 42 / 8 x 21 / 4 " . ~ I m p o r t e d . ~}$ 99 H 3084 Shpg. Wt., $41 / 2 \mathrm{lbs}$......Net 19.95

## 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 fleld strength metep sensitive to 100 microamps for accurate readings. Specificalions: 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. Sire: 47/6x $81 / 8 \times 31 / 2^{\prime \prime}$.
40 H 7423715 KIT-5 Ibs Net 34.95 40 H 7424715 WIRED- 5 ibs.

Net 34.95 Net 44.95

## LAFAYETTE MINIATURE CERAMIC. TUNING FORK-SELECTIVE FILTER

## No 7307661


$K_{6} \mathrm{HX}_{6} \mathrm{D} \times 11_{4} \mathrm{~W}$ Ideal for: Private Tone Encoders and Decoders, Precision Audio Oscillators, Selective Filters, etc.
Ultra-reliable selective electro-mechanical filter. Excellent for Selective Call and Pri-vate-Tone Encoders (Transmit), and Decoders (Receive), Pocket Pagers, preclsion audio oscillators and for highly selectlve fllters. Works on electro-mechanical princlples involving electronic energy of ceramic ele. ments and mechanical energy of resonant minature tuning fork. Similar to reed relays in circuit performance but more rellable since there are no moving parts or contacts to wear out. Size: Kox $x_{6} \times 11 / 4 "$. Shpg. wt., 4 02. Imported. Can be used in single tone (1 filter), dual tone ( 2 filters). etc.

| STOCK NO. | CPS | NET EACH |
| :--- | :---: | :---: |
| 99 H 3118 | 817.5 | 4.95 |
| 99 H 3119 | 862.5 | 4.95 |
| 99 H 3120 | 922.5 | 4.95 |
| 99 H 3121 | 967.5 | 4.95 |
| 99 H 3122 | 997.5 | 4.95 |

## मिR

MICROPHONE AMPLIFIER

## $14^{95}$



- Self Contained Low Level Amplifier For Use With Ceramic. Crystal, Dynamic And Controlled Reluctance Microphones
For CB'ers, tape recorders and PA systems. May be used with any of your present equipment, simply wire new plug to cable and connect original plug to amplifier output. Requires no internal connections in the transmitier. Ideal for Push to Talk, VOX and Electronic Switching. Powered from unit or external 9 V battery (not included). Uo to 16.5 db voltage gain, stable operation over a wide temperature range. 42 H 4512 Shps. wt., 2 lbs. .......... Net 14.95


By inserting a crystal in the Port-O-Gen you'll have a reliable signal source to check if your receiver is properly duned. Can be used as an alignment renerator for funing receiver frontend thru the if strip. Operates between 2 and 27 MC . Includes battery. 42 H 7801 Shpg. wt., I lb. ......Net 14.95

## LAFAYETTE Top Performing CB Microphones



## [C] CB BASE STATION CERAMIC MICROPHONE

For tube-type CB transceivers. Efficient, attractive high impedance desk ceramic microphone. With convenient push-to-talk button plus lock-switch for prolonged transmission. 3 -conductors plus shield for normal relay or electronic switching. $33 / 4 x$ $53 / 4 \times 73 / 4^{\prime \prime}$. Imported. Shpg. Wt., $11 / 2$ lbs. 99 H 4607 less plug. ............. 9.95 Miniature Microphone Plug. Permits use of microphone with Lafayette Comstat 23, 25. 25A, HB-444, A. B, Comstat 19, and Comstat 23 Mark V. Imported. 99 H 6263

Net 99 LAFAYETTE CB BASE STATION DYNAMIC MICROPHONE. Same as above but has dynamic element. Low impedance for use with transistorized CB. 99 H 4608 Less plug.

Net 11.95 Microphone Plug. Permits use of microphone with Lafayette HB-500. A, HB-555, HB-525. A. B. C. HB-625, HB-23, and Telstat 23. 99 H 6283 imported.

## [D] BOOM MIKE/HEAOSET

Frees hands for safe driving. Perfect answer to your CB and Ham moblle needs. For use with vox or foot switch for trans-mit-receive changeover. Lightweight and comfortable. 8.0 hm earphone has cushion for comfort and outside noise suppression. Crystal mike for high output and full modulation. Boom and headband adjust to individual preference. Mike mounted on swivel. Fintshed in chrome and two tone plastic. With 5 ft ., 4 -conductor cable. Imported. Shpg. wt., I Ib.
99 H 2565 for tube transceivers... Net 3.98

## (E) <br> (F) <br> (E) DELUXE ALL-METAL CB CERAMIC MICROPHONE



High output ceramic microphone with deluxe chrome plated metal case and 4 ft. coiled cord. Fits snugly in the palm of the hand; resists abuse of tough mobile operating conditions. The 3 conductor plus shietd 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 lb., less plug. 99 H 4562

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 H 5263 <br> Net . 99 <br> F "MITY-MITE" CB CERAMIC MICROPHONE

Ceramic microphone expertly designed and professionally styled for real performance. 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 coiled cord. $1 \times 11 / 4 \times 31 / 4$ ". Imported.
99 H 4579 Shpg. wt., 8 o2. .........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 H 4617

## NEW SHURE 444T TRANSISTORIZED BASE STATION MICROPHONE



- Built-in 2

Transistor Preamp

- Variable

Output Level
Provides optimum performance for tow impedance $C B$. $A M$, FM, and single side-band communication. Built - in 2 transistor preamp increases signal strength. Controlled magnetic type with response of $200 \cdot 6500 \mathrm{cps}$. Semidirectional. Output level variable from 2 to 45 mv to minimize distortion, overloading and output transistor burnout. Press-to-talk control bar with locking feature. Height adjustable from 9K" to $11^{1} \mathrm{~K}_{0}$ ". Base, $5^{1} \mathrm{~K}_{0} \times \mathrm{x}^{\prime \prime} .4 \mathrm{ft}$. colled cable. Battery supplied.

44 H 7560 Shpg. wt., 2 lbs.

## MAGNETIC <br> mint 794

- For CB, Ham and


## 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., $1 / 4 \mathrm{lb}$. 99 H 4558
 install - just plug into the microphone jack and attach two wires to speaker circuit. Excellent with all Lafayette trans ceivers. Shpg. wt., 2 lbs.
42 H 6501 Push Button Type .... Net 19.75 42 H 6502 Deluxe Push Bar Type Net 21.45

# LAFAYETTE CB Replacement Antennas \& Accessories 

LaFAYETTE MOBILE AM TO CB ANTENNA CONVERTER

LAFAYETTE CHROME PLATE MOBILE BUMPER MOUNT


- Completely Adjustable For Use with Most Types of Automobile Bumpers
- Highly Reliable and Durable!

An outstanding Lafayette mobile Bumper Mount featuring chrome plated mount and stainless steel strap which is completely adjustable for vertical mounting on most types of automobile bumpers. Eliminates need of cumbersome link type chain mounts. Shpr. wt., $11 / 2 \mathrm{lbs}$. 99 H 3035 Imported

Net 3.95

## UNIVERSAL LAFAYETTE MOBILE CB ANTENNA ACCESSORIES

CHROME PLATEO SWIVEL BALL MDUNT BASE. Can be mounted vertically or horizontally. With lug terminals. Imported. Shpg. wt., 3 lbs. 99 H 3030 $\qquad$ Net 1.95
heavy outy chrome plated STAINLESS STEEL SPRING. Provide maximum support for long whips and heavy centerloaded whips. Imported.


Specialiy designed Lafayette AM to CB anproof loading coil with a universal mount and adjustable matching $7 \mathrm{M} / \mathrm{a}^{\prime \prime}$ stub. Covers entire 27 MC Citizens Band. Easily attaches to your existing AM automobite antenna. Includes dividing harness which couples your new combination AM and CB antenna directly to your Citizens Band Transceiver and $A M$ auto radio. Imported. Shpg. wt., 2 lbs.
99 H 3116
Net 6.95
BLITZ BUG LIGHTNING PROTECTOR


Model LAC-1 Designed to fit any standard coaxial cable the "BItz Bug" 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 $3 / 4^{\prime \prime} 0.0$. brass by $21 / a^{\prime \prime}$ long. Employs one PL- 259 plug and one OKCB connector (takes PL-259 plug). Wt., 1 lb .
42 H 2001
Net 3.95
Model LAC-2. Same as Model LAC-1 but accepts 2 PL-259 connectors. Shpg. wt., 1 lb. 42 H 2003

Net 4.95
Model LAC-2N. Same as LAC-1 but with Type $N$ connectors for commercial use. Accepts two UG-21B/U connectors. Wt., 1 ib. 42 H 2004

Net 5.95

## NEW DELUXE UNIVERSAL BASE LOADED CB WALKIE-TALKIE ANTENNA



## 10 FT. SUPER HEAVY DUTY ALUMINUM MAST

For mounting all CB Base Station antennas. Heavy gauge aluminum, $1 / 8^{\prime \prime}$ wall thickness. 0.0 . is $11 / 2 "$. Length 10 ft Shpg.. wt., 6 lbs.
18 H 5626 WX
Net 7.10

## LAFAYETIE CITIZENS BAND 27MC. COLLAPSIBLE ANTENNA

Ideal for mobile or fixed transceivers, minia. ture portable and pocket transistor radios, and a host of simllar applications. The 4 -section antenna is made of chrome-plated brass and plugs into a jack. Measures 48" fully extended and etracted is $11^{\prime \prime}$ to faciltate carrying in pocket. Complete with a flexible plastic case and slip-under protecting flap. Imported. 99 H 3005 Shpg. wt., 802.

Net .79 measurements are in inches. Imported. Average shpg. wt., 1 lb .

LAFAYETTE CENTER-LOADED FIBERGLASS CB COWL MOUNT ANTENNA

# $7^{50}$ <br> Made in U.S.A. 

With 5' of Cable<br>- Easily Mounts On Cowl or Rear Deck

Dnly $48^{\prime \prime}$ high but performs like $102^{\prime \prime}$ antennas. Designed for cowl mounting, 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 possibllity of striking overhead objects. Speclally designed rocker support as. sures 8 -point grounding and permits mounting up to $35^{\circ}$ angle on fender. cowl of rear deck - Fits any '18:" to $11 / a^{\prime \prime}$ mounting hole. Complete with 5 ft . of RC-58/U cable. Shpg. wt., 3 lbs.

Net 7.50

## LAFAYETTE "DUMMY" ANTENNA <br> LOAD FOR CB TRANSCEIVERS



A 52 ohm non-inductive load for testing and tuning-up Citizens Band transmitters up to 5 watts. Built into PL259 coaxial plug. Shpg. $w t .11 \mathrm{lb}$.

Net .98

## LAFAYETTE TELESCDPIC CB WHIP ANTENNA

Only


## 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 indicated. 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-Talkle". All

| Antenna <br> Stock No. | Sections | Diam. of Base | Col. lapsed Length | Extended Length | For LAFAYETTE Walkie-Talkie Model | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 H 3008 | 12 | 1/2 | 6 | $523 / 4$ | HE-29, HE-298 | 1.95 |
| 99 H 3111 | 11 | $13 / 3$ | 57/8 | $511 / 4$ | HE-290 | 1.95 |
| 99 H 3037 | 11 | $1 / 2$ | 61/4 | $541 / 2$ | HA-60, HA-61, HE-86, HE-88, HA-100, 100A, 100B | 1.95 |
| 99 H 3038 | 9 | 1/6 | 71/4 | 523/4 | HE-25, HE-88, HA-711 | 1.95 |
| 99 H 3039 | 11 | \% | $531 / 4$ | 50 | HE-66, HE-82, HE-83 | 1.49 |
| 99 M 3040 | 9 | 3/6 | 57/8 | 431/4 | MA. 70. | . 98 |
| 99 H 3112 | 8 | \% 6 | 57/8 | $361 / 2$ | HA-70B. HA-70C | . 98 |
| 99 H 3041 | 11 | \% 6 | 53/4 | 51 | HE-29C | 1.95 |
| 99 H 3113 | 11 | 3/8 | 45/8 | 38 | HA-130, HA-130A | 1.49 |
| 99 H 3114 | 6 | 1/4 | 6 | 30 | GT-3 | . 98 |
| 99 H 3017 | 10 | \% | 7 | 58 | HA-150 | 1.95 |
| 99 H 3007 | 11 | \% | $71 / 4$ | 623/4 | HA.300, HA-300A | 2.25 |
| 99 H 3115 | 11 | \% | 7 | 58 | HA.99, HA-303 | 2.95 |
| 99 H 3137 | 9 | \% | $71 / 4$ | 54 | HA.62 | 1.49 |
| 99 H 3138 | 11 | Ko | 7 | 58 | HA.300B | 2.25 |

# LAFAYETTE Base Station Citizens Band Antennas 

 Deluxe LaFAYETTE 5 Element Citizen Band Beam Antenna

No Money Down MADE IN U.S.A.

## Check these outstanding specifications

## ELECTRICAL

- GAIN: 10db Forward
- F-B ratio: 25 db
- V.S.W.R. under 1.5:1 across 27MC hand
- Gamma Matched to 52 ohm Coax Transmission Lines


## MECHANICAL

- Boom Length: $17^{\prime}$
- Height: $18^{\prime} 6^{\prime \prime}$
- Turning Radius: $8^{\prime} 6^{\prime \prime}$
- Mounts on Masts up to $2^{\prime \prime}$ in diameter
- 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). Phounts on masts up to $2^{\prime \prime}$ in diameter. Turning radius $8^{\prime} 6^{\prime \prime}$. vertical wind load 125 lbs. Furnished with complete mounting instructions. Less mast and coax cable. Shpg. wt., 15 lbs.
42 H 0114 Wx \$5 Monthly
Net $\mathbf{3 9 . 9 5}$


LAFAYETTE "RANGE-BOOST / II"TM END FED 1/2-WAVE CB ANTENNA


- New Heavy Duty Mounting Bracket - Static Clover Leaf Ball Design Reduces Receiver Noise
- 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 perform. ance CB antennas. Specially designed antistatic cloverleaf bail drastically reduces recelver 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 seamiess aluminum tube sections lopped by a solld aluminum 108" top section. $35^{4 n}$ radials provide proper transmission line decoupling. New heavy duty mounting bracket. Direct ground lightning protection, $50 \mathrm{ohm} .17^{\prime \prime} 6^{\prime \prime}$ over-all length. Accepts up to $14 / 2^{\prime \prime}$ masts. PL- 259 cable con. nector. Shpg, wt. Less mast and coax. 10 lo.
Made in U.S.A. 42 H 0144 WX
Net 19.95

## DELUXE HEAVY DUTY LAFAYETTE 4 ELEMENT GROUND PLANE ANTENNA

 - The Ideal Antenna For YourCB Base Station

- High Efficiency Ground
Plane Antenna Construction

Solld aluminum 108" heat-treated radials and radiator. Etements supplied in two 54" lengths jolned by threaded coupling nuts. Radial droop for 50 ohm match. Accepts $11 / /^{*}$ tubing, RG.58/U cable and PL-259 connector. Less mast and coax. Imported. Shpg. wt. 4 lbs. 99 н 3031 ___ ___ Net 9.95

## LAFAYETTE'S 3-ELEMENT VERTICAL BEAM CB ANTENNA

Multiplies Power 8 Times

- Completely Precision Tuned and Ready to Assemble and Install
MADE IN
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 feediline match for maximum efficiency. Comes with bracket for vertical or horizontal mounting. The $11 / 4^{\prime \prime} 0 . D$, aluminum boom is 8 feet long. $3 / \mathrm{s}^{\prime \prime}$ to $\% 0^{\prime \prime} 0.0$. aluminum elements are approximately $161 / 2 \mathrm{ft}$. long. All steel hardware is irridite treated to MIL specs. Accepts up to $11 / 2^{\prime \prime}$ mast. Completely factory pretuned. Furnished with simple mounting instructlons. Less mast and coax cable. Shpg.
wt., 11 Ibs.
42 H 0113 WX
Net 17.95


Deluxe mounting kit for base station consists of: Blitzbug Lightning Arrestor, 50 ft . ground wire, angle base and roof mount-works on any surface - takes masts up to $21 \mathrm{y}^{\prime \prime}$ O.D.. $50^{\circ}$ of steel guy wire. 3 steel turnbuckles, 3 way guy wire clamps. package of 3 oden eve bolts (Kit comes less mast.) Shpg. wt.. 6 lbs.
42 H 0130M
Net 6.95
10 ' steel mas
Net 2.39

# LAFAYETTE Mobile Citizens Band Antennas 

## LAFAYETTE ALL STAINLESS STEEL CB MOBILE ANTENNA

- $102^{\prime \prime}$ Stainless Steel Whip For Optimum 11-Meter Performance
- Heavy-Duty Chrome Plated Stainless Steel Spring
- Chrome Plated Swivel Ball Jointed Mount Base

Chrome plated swivel mount base designed to be mounted on any surface. Stainless steel spring holds rod in properly adjusted position and prevents rod damage from shocks and blows. Stainless steel whip for resiliency and strength. Less cable. Has lug terminals for 42 H 7002 cable assembly. Imported. Shipg. wt. 4 lbs. 99 H 3034WX

Net 6.95

## LAFAYETTE BASE LOADED "AUTO-TOP" CITIZEN BAND ANTENNA

- Automobile rooftop application effects ideal Omnidirectional signal patterns
- Mounts neatly from outside vehicle in $3 / 4^{\prime \prime}$ hole
- Base loaded Phasing Transformer completely weatherproof
- 39" Stainless Steel whip


Made in U.S.A.

The Lafayette Base Loaded "Auto-Top" Citizens-Band antenna offers the CB'er the ideal omni-directional signal pattern with very low signal to nolse. This quality antenna consists of an inconspicuous base loaded, neutral gray weatherproof phasing transformer (only $4^{\prime \prime \prime}$ high, and $1^{\prime \prime}$ in diameter), a $39^{\prime \prime}$ stainless steel whip, and all mounting hardware including complete and simple mounting instruction sheets Antenna mounts in $1 / /^{\prime \prime \prime}$ hole. Comes less cable. Shpg. wt. Anten 2 lbs.
42 H O120W
Net 7.99


LAFAYETTE CENTER-LOADED MOBILE CB GUTTER CLAMP ANTENNA

- Easily Snaps on Rain Gutter of 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 automoblle. Heavy spring assures positive grip. Clamp is heav-


Ily plated to resist corrosion. Only 20 inches in length-outstanding 11 meter performance. SWR 1:1. Furnished with $12^{\circ}$ of RG58/U cable with PL-259 connector
42 H 0125 Shpg. wt. 3 lbs.
Net 10.95

## 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. $46^{\prime \prime}$ tong collapsing to $31^{\prime \prime}$. Fits the $7 \%^{\prime \prime}$ to $1 \mathrm{~K}^{\prime \prime}$ space left by auto antenna. Includes automatic dividing harness, $1^{\circ}$ cable to $A M$ set, $2^{\circ}$ cable to $C B$ rig and $5^{\circ}$ cable with PL-259 plug to antenna. Small divider unit fits under dash. Importęd. Shpg. wt., 4 lbs.
99 H 3060W
Net 7.95

## LAFAYETTE BASE LOADED TRUNK MOUNTED MOBILE ANTENNA

- No Visible Holes in Car
- Trunk Groove Mount ONLY 99
- Installs in Seconds
- Phasing Transformer Completely MADE IN
Weatherproof
U.S.A.
- 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" holes in groove of car trunk ild. Antenna holds securely and is adjustable to all cars. Features base loaded, weatherproof phasing trans. former (only $4^{\prime \prime}$ high, $1^{\prime \prime}$ diameter) and a 39" stainless steel whip. Complete with all mounting hardware, simple mounting instructions. Less cable. Shpg. wt., 5 lbs.
42 H 0145
Net 9.99

## NEW LAFAYETTE "RAPID-GRIP" MOUNT BASE LOADED MOBILE CB ANTENNA

- "Rapid.Grip" Mount Provides Permanent Antenna installation In Seconds Without Drilling Holes

New "Rapid-Grip" mobile antenna is especialiy sultable for trunk mounts. No holes to drill. Silips over trunk ilp. Cable is completely hidden. Neat, trim, professional appearance. Offers ideal omnidirectional signal pattern. Water resistant body seal. 39" Stainless stee! whip. Base loaded phasing transformer completely weather proof. Overall length 43 ". Less cable. Has lug terminals for 42 H 7002 cable assembly. Shpg. wt., 3 lbs.
42 H 015
Net 11.95


Only


MADE IN U.S.A.

## LAFAYETTE CB BUMPER MOUNT ANTENNA WITH STAINLESS STEEL STRAP

> - Chrome Plated Bumper Mount with Stainless Steel Strap
> -102" Stainless Steel Whip, Heavy Duty Chrome Plated Stainless Steel Spring

## $8^{95}$



An outstanding Lafayette CB antenna featuring a full-slze 102" stainless steel whip and a fully adjustable chrome plated mount with a stainless steel strap whlch was specially designed to fit most cars. Heavy duty chrome plated stainless steel spring is built for extremely rugged mobile use. Less cable. Imported.

## 20 FT. COAXIAL CABLE ASSEMBLIES

- for mobile application
(A)


These cable assemblies are necessary for conmection between Citizens Band Transceiver and Antenna.
TYPE A-Consists of 20 ft . RG. $58 / \mathrm{U}$ cable with PL- 259 plus UG. $175 / \mathrm{U}$ on both ends. Required for Ground Plane and Coaxial and Mobile Antennas terminating in a coaxlal lack. Shpg. wt., 802. 42 H 7001 Type A; 20 ft . length

Net 2.99

99 H 3032wX Shpg. wt., 3 lbs.

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. Shipg. Wt., 8 oz, RECOMMENDED FOR USE WITH LAFAYETTE ALL STAINLESS STEEL MOBILE ANTENNA ABOVE. 42 H 7002 Type B; 20 ft . length

Net 2.75

## Selected CB Antennas, Mounts, and Rotors



Hero's rugged performance in a Citizens Band base station antenna at a truly economical price. Incorporating a special "drooping radial"" design for improved impedance characteristics. this oxcellent ground plane antenna utilizes a $360^{\circ}$ polar pattern to provide complete coverage in any direction. Made-to-last construction features a rugged 1 inch diameter radiating eloment. A double $U$-bolt arrangement provides the strongest possible mount under the most severe weather conditions. Shpg. wt., 6 lbs.

42 H 7401 WX

Net 7.90

## CB SIGNAL-HUNTER DIRECTION FINDING ANTENNA

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 utlize all avaliable transmitter power. Construction is all .049 wall aluminum tubing with solid hold telescope clamps and phenolic base insulator. Designed for 52 ohm direct coaxial feed. Overall height: 17'10". Oirect DC ground to eliminate static discharge noise and lightning hazard. Shpg. wt., 10 tbs. 42 H 2002 Wx ............. Net 18.95


## LAFAYETTE HEAVY-DUTY PORTABLE ANTENNA MAST KIT <br> IDEAL FOR CB'ER OR AMATEUR

## - Enables You to Oper-

 ate A Base Station on Field Trips, Hamfests, Campouts, Vacations, Civil Defense and Emergency Use
## sale $24^{95}$

Was 29.951967 Cat. 670
Now you can operate a portable base station anyplace. Deluxe kit includes heavy-duty 4 -section tubular steel mast with aluminum collars. Extends to $19^{\prime \prime} 8^{\prime \prime}$, collapses to $4^{r} 11^{\prime \prime}$. Top section of mast has chrome plated swivel ball-jointed mount base. Accepts standard antenna whips with $3 /$ " 34 male thread. Features 3 pointed heavy duty metal base for firm mounting stability. Complete with following guying accessories: 3 metal stakes, nylon guy line, and 3 guying snap fasteners. Imported. Shps. wt., 38 lbs.
99 H 3068wX .............. Net 24.95


- 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 toop is rotated. Can be used for transmitting over short distances. 8 ft . cable permits mounting on elther side of the car. 50 ohms impedance. Complete with PL. 259 connector and RG-58/U cable. Shigg. wt., $41 / 2 \mathrm{lbs}$.
42 H 2101 w
Net 12.95
Each COLORGUARD antenna incorporates a ORANGE-a high visibillty flourescent color accepted by military and civillan authorities the world over as a standard emergency color. With a COLORGUARD your vehicle is instantly recognized as one equipped with emergency communications equipment.
(A) M-140 Cowl/Fender Mounting Fiberglas Antenna Swivel mount. Only $48^{\prime \prime}$. With 5 ft . RG-58/U cable and PL-259 connector. Mounts in $7 / 8^{\prime \prime}$ hole. Shpg. wt., 2 lbs.
42 H 1034 W
Net 10.24
B] M-142 Trunk Mount Fiberglas Antenna Requires only two 7/32" holes in trunk lid. $48^{\prime \prime}$ high. With 15 ft . RG-58/U cable and PL. 259 Connector. Shpg. wt., 4 lbs.
42 H 1035 W
Net 11.86
[C] M-143 CB-AM Cowl Mount Antenna Dper. ates AM broadcast receiver and CB unlt from one antenna. Mounts in $7 / 8^{\prime \prime}$ hole. $46^{\prime \prime}$ high. With CB-AM dividing harness and all cables. 42 H 1036 W Shpg. wt., 3 lbs. ..... Net 17.98 [D] M-145 18* Roof Mount Fiberglas Antenna 3/8" snap-in mounting. With 16 ft . RG.58/U cable and PL-259 connector. Shpg. wt., 2 bs. 42 H 1031

Net 12.69


DELUXE CORNELL-DUBILIER MODEL AR-22R AUTOMATIC ROTOR FOR CB ANTENNAS

- Fingertip Control
- Control Unit Shows

Direction of Rotation
$33^{35}$
No Money Down

Heavy-duty rotor unit will handle antennas up to 150 lbs. Simply set the control unit pointer to the desired direction, and the antenna will automatically rotate to this position and stop. Perfect for TV. Ham or Citizen Band applications. Rotor unlt employs 12 heavy duty ball bearings in two $61 / 2^{\prime \prime}$ races, Reversible clamps on rotor will take masts from 7/a" to $\mathbf{2}^{\prime \prime}$. O.O. Control unit is marked in compass points. N.S.E.W. NW, NE, SW, and SE. Housed in attractive black vinyl steel cabinet. For $110-120$ volts, $50-60 \mathrm{cps} A C$. Requires 4 conductor cable. Shipg. wt., 14 bs. 42 H 8607WX $\$ 5$ monthly
100 ft . coll of 4 -conductor rotor cable. Shpg. wt. 3 lbs.
32 H 8910
Net 33.95
Net 3.10

## asintenna M-148 "SPEAKIN BEACON" OMNI COAXIAL CB BASE STATION ANTENNA

## only

$29^{35}$

static-light ball with neon indicator

- Lights Up When You Transmit
- Visibly Verifies Your R.F.

Output and Guides CB Mobile to Your Location

- Built-in Lightning Protection

The "Speakin Beacon" is an exciting concent in CB antennas. This deluxe omnicoaxial CB Base station antenna lights up when you Transmit. A red neon light at the top of the antenna is triggered by Radio Frequency energy when the microphone of your CB Transceiver is keyed. No separate wires are required for hookup to neon light. You now can visibly verify your R.F. output, and guide CB mobiles to your location. Staticlight ball surrounds neon light and dissipates static discharge, minimizing noise build up. All aluminum 18 ft . antenna is coaxial type. Simple to install. Antenna is center-fed, $1 / 2$ wavelength. Consists of 9 foot ( $2^{\prime \prime} \mathrm{di}$ ammeter) polished aluminum shirt and 9 foot aluminum radiator. Mounts on 12 ft . (or longer) one inch O.D. plpe (not incl.) 42 H 1038wx Shag. wt. 8 lbs. ...... Net 29.35
> "SUPER MAGNUM" MODEL M-117 1/2. WAVE CB BASE STATION ANTENNA

> NEW! MODEL M-168 "GRIP.STICK" MAGNETIC MOUNT MOBILE ANTENNA

\author{

- Ideally Suited <br> For Temporary, <br> Emergency. or <br> Permanent Mounting <br> - No "Installation" Involved Only $15^{93}$ <br> $\qquad$
}

No "Installation" in. volved. Merely place it on the vehicle -center of the rooftop, or back deck, run cable thru window or trunk (under seats) to CB radio. Stainless steel whip, anodiced aluminum base, black phenolic insulator, and grey center loading coil. VSWR under 1.5:1. With 16 ft . coaxial cable and PL-259 connector. Shag. wt. $11 / 2$ lbs.
42 H 104 ww..... Net 15.93

## MODEL M-103 CB/AM

 COMBINATION ANTENNAA center-loaded cowl mount antenna eliminat. ing the need of 2 atenmas. Fits easily in the $7 / 8^{*}$. to $1 \%$ " $^{\prime \prime}$ hole left by the auto antenna. 46 " long in operating post ion. Collapses to $31^{\prime \prime}$. Incorporates a new auto. matic dividing harness which allows for a 1 ft . low loss cable to an AM set, 2 ft . cable to CB set and 5 ft . cable to antenna with a PL. 259 connector attached. Ships. wt.. 4 lbs.
42 H 1007w . Net 17.20

## $17^{20}$

"SCANNER"' MODEL M-119 ELECTRONIC SECTOR-PHASED BASE STATION ANTENNA

## ONLY <br> 

| No Money |
| :--- |
| Down |
| CB BASE |
| STATION |
| ANTENNA |
| WITH ALL |
| ELECTRONIC |
| BEAM |
| CONTROL |



The "Scanner" is a multi-element directional antenna system electrically 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 db directional gain -23 db front to back ratio. Less rotor cable. Shag. wt., 18 lbs.
42 H 1029wx $\$ 5$ monthly
Net 73.65

Rigid aluminum vertical radiator provides; mind mum improvement in signal-to noise of 6 db , a 3.75 db of true gain as compared to a flat ground plane antenna. Top mounted orbital ball drastically reduces static discharge noise. Full $1 / 2$ wavelength $108^{\prime \prime}$ radials offer maximum RF coupling. . low radiation angle intensifies signal coupling. Includes powerful phasing transformer and mounting hardware to take UD to $11 / 2^{* \prime}$ masts. Treated against corrosion. Easy to install. Shape wt., 14 lbs.
42 H tootwx $\$ 5$ monthly................. Net 31.90

Band Antennas
NEW DELUXE "QUICK-GRIP" MOBILE ANTENNAS


- 3 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. Stainless steel whip. Whip adapter provides $11 / 4^{\prime \prime}$ adjustment for extra fine tuning. "auick-Grip" mount. Soldertess lead connection with PL-259 at set end of 16 foot coaxial cable. Shpg. wt., 3 los. 42 H 1049w

Net 21.56
(B. Model M-157 Mach III - Features unique Printed Circuit Coil for precise CB frequency coverage. Short $40^{\prime \prime}$ stainless steel whip. Stainless steel spring. Quick-grip mount. 16 ${ }^{\text {B }}$ coaxial cable with PL-259 at set end. Shpg. wt., 4 lbs. 42 H 1050 W

Net 24.50
(C) Model M-177. Just $20^{\circ}$ long. Includes center loading coil, stainless steel spring and beautiful black phenolic base. Quickgrip mount. Solderless lead connection with PL -259 at set end of $16^{\prime}$ coaxial cable. 42 H tosiw shpg. wt., 3 lbs. ..... Net 19.21

## MODEL M-123 BASE LOADED ROOFTOP ANTENNA

Base loaded 40 -inch rooftop antenno with an omni-directional pattern desirable for mobile operations. Weatherproof seal makes mounting quick and easy. No gooseneck to reduce head. room. Easy solderiess connedtons make sure contact. Supplied with 20 feet of RG $58 / \mathrm{U}$ cable and PL-259 connector. Shpg. wt., 3 lbs.
42 Hi 1030
Net 14.31


## M-90 96" FIBERGLASS WHIP

A $96^{\prime \prime}$ black fiberglas CB whip antenna designed for use only on the 27.MC band. Mounting adapter consists of chrome plated brass ferrule with $3 / 8^{\circ}$. 24 male thread to fit standard base or spring. Shag. wt., 3 lbs.
42 H 1021 Xx
42 H 1021 XX
MODEL M-3B 102 WHiP. Net 9.16 M-90 except stainless steel construe. ton 5 hog wt., 2 lbs . 42 H 1022 wx

Net 4.90
MODEL M-20 CB WINDOW MOUNTING ANTENNA ( 27 MC)
For apartment installation where other outdoor antennas can not be used. Jointed, 9 ft . aluminum radiator is supported by adjustable heavy duty cadmium bracket. Will accept either twin or coaxial feed line. As with all antennas, performance will improve with height above ground. Shag. Wt., 4 lbs. 42 H 1009w

Net 9.41


## Hy-Gain And New-Tronics CB Antennas

# HY-GAIN MODEL CLR/II bASE STATION ANTENNA 

- Delivers 8 DB Circuit Gain


## No Money

Down

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 of $D C$ ground. Total circuit gain in excess of 8 db . $O C$ ground feature protects antenns and equipment from lightning damage. Element material top quality aluminum tubing $11^{\prime \prime \prime}$ to $3 / 8^{\prime \prime}$. All seamless tubing. Mount on mast $1^{\prime \prime}$ to $1 \%{ }^{\prime \prime}$. SWR less than $1.2: 1$. Fed with 52 ohm coax. Shpg. wt., 10 lbs.
42 H 3501 W X \$5 monthly
Net 32.95
PH. 1 CO.PHASER mates possible the simple installation of phased array of two CLR/11 entennas. Adds 4.5 db gain and doubles the effective radialling power. Shpg. wt., 4 lbs.
42 H 3502
Net 14.95

## HY-GAIN 116DB DUAL 6-ELEMENT BEAM

- Up to 30 DB Improvement In

Signal-To-Noise Ratio Over Standard Ground Plane
6 -element twin driven rotatable beam sets ligh standards in antenna performance for maximum range and roadability on the citizens band. Foward gain is in excess of 12 db and the front-to-back ratio is 15 db . VSWR is $1.5: 1$ or better. Both driven elements are beta matched for low noise and optimum arrenster of energy. Impedance is 50 ohms. Rugged aluminum elements are swaged for strength. Beam can be rotated with any heavduty TV rotator. Assembled weight is 24 lbs. Shpe. wt., 30 lbs.
42 H 3507wx $\$ 5$ Monthly
Net 74.95 MODEL 11408: 4.element version of above. 42 H 3508 WX Shpg. Wt. . 18 lbs. Net 44.95


No Money Down

## HY-GAIN TQRDX "DX-TOPPER"

\author{

- Deluxe Roof-Top Antenna
}

Powerful mobile antenna built for preferred optimum performance roof-top mounting. Stainless steel radiator and adjustable tuning rod with exclusive high performance Hy -Q loading coil. Overall height. 50 inches. Unique leakproof base mount of molded high impact cycolac plastic requires single $3 /{ }^{\prime \prime}$ diameter hole. Complete with mount, stainless steel shock spring. $16^{\circ}$ of coaxial cable and PL. 259 connector. Shpg. wt., 3 lbs. 42 H 3514 W

Net 16.05

## NEW-TRONICS TCS-27M CB-AM-FM 3-WAY MOBILE ANTENNA

3-Way telescopic antenna handles CB transmit and receive, AM, and FM broadcast reception. Featurest 2 section triple chrome plated brass tubing and adjustable stainless steel tip rod. Weatherproof resonator. Furnished complete with automotive 8 -ball base for mounting up to $30^{\circ}$, and special 60 inch matching harness for CB-AM-FM operation on one antenna. EXcellent results on CB and no degradation on AM or FM. Shpg. wt., 2 lbs.
42 H 3701 w
Net 13.98

## NEW-TRONICS CB-2 TELESCOPING CB MOBILE ANTENNA

4 section antenna with chrome-plated brass tubing and seated loading coil. Telescopes from $261 / 2$ inches to $601 / 2$ inches. Tunable stainless steel tip rod for low SWR on all C8 channels. Swivel ball base for easy moblle mount. ing. Has 3 inch, 24 thread at bottom to fit all standard mounts. Shpg. wt., $11 / 2 \mathrm{lbs}$.
42 H 3702W
Net 8.64

# Lafayette Popular Citizens Band Replacement And Experimenter Parts 



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 line is a durabie plastic holder containing a protective fuse. Features well soldered connections, strong wire. Overall length approximately 6 feet long. For HB$500 . \mathrm{A}, \mathrm{HB}-555$, HB-525, A, B, C. HB-625, H8-23, and Telsat-23. Imported. Wt., 80 Oz . 99 H 3110

Net 2.50

## 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., $60 \bar{z}$. 32 H 0930

Net 2.50
Same as above but for H8-200. HB-111 and HB-222.
32 H 0931
Net 2.50
AC CABLE ASSEMBLIES
For HE-20 Series, HE-43 Series, HE-45 Series. HE-50 Series, HB-333. Shpg. wt., 1 to. 32 H 0932

Net 1.95 for HB-200, H8-111. HB-222. Shpg. Wt.. 1 it. 32 H 0933 Net 1.95 For HB- 115 Series, HE- 15 Series, HE- 35 Series. Shpg. wt., I lb.
32 H 0934
Net 1.95

## LAFAYETTE MINIATURE MICROPHONE CONNECTORS


(A) Microphone Plug for CB and Amateur Microphones. Precision engineered and sturdily constructed. Plug takes any 4 conductor (or 3 conductor with shield), coiled cord or straight cable. Features threaded retaining ring for positive locking, integral cable retaining clamp, and polarizing keyway. size: $11 / 4^{\prime \prime} L \times 12^{\prime \prime} 0$. Used with microphone in Comstat 23 , Comstat $25, \mathrm{HB}-444, \mathrm{HB}-444 / 25$, HB-444/25A, Comstat 19. Imported. Shpg. Wt., 8 oz 99 H 6263

Net 1.19 (B) Microphone Chassis Socket. Mounts on equipment chassis or
panel and mates with 99 A 6263 plug. Size: $3 / 4^{\prime \prime} \times \quad 9 / 16^{\prime \prime}$ Ola. Requires $5 / 8^{\circ}$ mounting hole. Used in Com. stat 23 Comstat 25, H8-444, HB-444/25, HB-444/25A, Comstal 19. Imported. Wt., 8 oz. 99 H 6264

Net 89

## MICROPHONE PLUG

Attractive, sturdy microphone plug used with HB-555, HB-600, HB.600A. HA-650, and HE. 200 microphones. Four male prongs on one end with retaining cable clamp on the other end. Sturdy molded plastic body with mated metal housing. Size: " " $^{\prime \prime} 00 \times 11 / 2^{\prime \prime}$ overall. Imported. Shpg, wt.,
99 H 6283
Net . 99

POWER TRANSFORMERS


Sturdy, enclosed power transformers with 115 volt primary and secondary windings for $\mathrm{B}+$ and filaments. Approx. size $23 / 4 \mathrm{Lx}$ $21 / 2 W \times 21 / 2 \mathrm{H}$. Shpg. wt., 4 lbs.
FOR HE-20C

## 32 H 0901 FOR HE-43C 32 H 0502

FOR HE-15B, HB-115A
32 H 0903
0 and HB-111
32 H 0904
Net 5.95
Net 5.95
Net 5.25
Net 5.95

## OUTPUT AND MOOULATION TRANSFORMERS

Matches 6AQ5 as modulator and 3.2 ohm volce coll as used in Lafayette ME-20A, B \& C. HE-43A, B \& C. $238 x$ $11 / 8 \mathrm{Wx} 13 / \mathrm{a}^{\prime \prime} \mathrm{H}$. With application instructions. Shpg. wt., 11/4 lbs.
32 C 0905
Net 2.95
Output and Modulation Transformer for Lafayette Models HB-200 and HB-111. Shpg. wt., 11/4 lbs.

## 32 H 0907

Net 2.95
Output and Modulation Transformer for Lafayette Model HB-115, 115A. Shipg. wt., $11 / 4 \mathrm{lbs}$.
32 H 0908 ................................. Net 2.95
Matches 6V6GT as modulator and 3.2 ohm voice coil as used in Lafayetle HE-15A. B \& C. $21 / 2 L \times 13 / 8 W \times 17 / \mathrm{g}^{*} \mathrm{H}$. Complete with schematic. Shpg. wt., $11 / 4$ lbs.
32 H 0906
Net 2.95
PUSH-TO-TALK RELAY
Double Pole Double Throw relay for microphone pushto talk relay operation as used in most popular citizens band transceivers. Sturdy for trouble . free mobile operation. Has 6.32 thread. ed mounting hole. $1 \neq \mathrm{six}$ $7 / 8 W \times 1 / s^{\prime \prime} H$. With schematic. For Lafayette CB Models HE-20 Series HE-111 Series and MB-200 Series. 32 H 0916 Shpg. wt., 802.

Net 4.50

## PI-NETWORK ASSEMBLY



For optimum antenna match. ing and output. Consists of mounting bracket. Final coll, 10 u ufd plate capaci. tor and $330 \mu \mu \mathrm{fd}$ oulput capacitor. Completely wired. Size $21 / 2 \times 13 / 6 \times 21 / 4^{\prime \prime} \mathrm{High}$ With schematic. Used in HE-20, A, B, and HE-43, A \& B.
32 H 0925 Shpg. wt. 8 oz
Net 2.95
TUNING CAPACITOR


Has flatted outer shaft for channel dial mounting or for course tuning knob; flatted concentric vernier tuning shaft for vernier tuning xnob. Has 6.32 threaded holes for mounting. $13 / L^{\prime} \mathrm{H}$ W W11K"H. With schematic. Used in HE- 20 Serles and HE. 43 Series, HB- 111 series and HB-200 Series. 32 H 0917 Shpg. wt., 8 oz.
Tuning Capacitor for HB-115A
32 H 0919
Net 1.95
Net 1.95

## 1650 KC INTERMEDIATE FREQUENCY TRANSFORMERS


for use in any citizens band re. ceiver utilizing 1650 KC IF Frequency. $17 / 8 \times 3 / 4 \times 3 / 4$. Complete with schematic. Used in HE-20 Series HE-43 Series, HB-111 Series, and HB-200 series. 32 H 0913 wt. 8 oz.

Net 1.89

## 1750 KC INTERMEDIATE FREQUENCY TRANSFORMER



Used in Lafayette HE-15 series and in HB-115 series. Can be used in any $C B$ transcelver having a 1750 KC If frequency as well as with above oscillator and RF coils. $17 / 8^{\prime \prime} L x^{33 / 4}{ }^{\prime} W \times 3 / /^{\prime \prime}$ D. Complete with schematic. Shpg. wt., 8 Jbs.
32 H 0914
Net 1.69

## 455KC IF TRANSFORMER

Popular, highly efficient 455 KC IF transformer used in Lafayette Models HE-15B, HB-115 Series, HB-111 and H8.200. $17 / 8^{\prime \prime} \times 3 / 4^{" \times 3 / 4 "}$ Shpg. wt., 8 oz .
32 H 0915
Net 1.59

## RECEIVER OSCILLATOR COIL

For use with tuneable citizens band recelver with IF Frequency at $1650 \mathrm{KC} .11 / 4^{\prime \prime} \mathrm{L} \times 1 / 4$ " Diam. Com. plete with schematic. For HE-20 Series, HE-43 Series, HB-111 Series HB-115 Series and HB-200 Series. Shipg. wt. 402.
32 H 0909
Net 1.50

## RECEIVER RF COIL



For transformer coupling RF stage to the mixer stage. Two windlings (individually slug. tuned) - one for RF Amplifier Plate circuit, second for Mixer Grid Circuit. K" Diam. * $2 \mathrm{Kin}^{\prime 2} \mathrm{~L}$. With schematic. For HE-20 Series, HE-43 Series, HB-111 series and HB-200 series. Shpg. wt., 402.
32 H 0910
Net 89

## TRANSMITTER <br> OSCILLATOR COIL

For use as oscillator plate tank coil in citizens band transmitters using 6AU8, 6AW8 and 6CX8 type tubes. Used in HE-20. Slze: $1 / 2$ " diam. $\times 11 / 2^{\prime \prime}$. Complete with schematic. For HE-20 Series, and HE-43 Series. Shpg. wt. 4 oz. 32 H 0911 .................... 8

## TVI TRAP COIL

Suppresses Television Interference from Citizens Band Trans. ceivers. Coil for use with 50 unfd capacitor in a parallel tuned circuit. 'h" dia.x11/2'L. With schematic. Used in HE-20 Series, HE43 Series, HB-111 series, HB-200 Series, and HB-115 series. Shpg. wt., 402.
32 H 0912
Net .79

## SQUELCH CONTROL

Efficient variable control used for minlmiz Ing noise pickup prior to recelpt of speech signal. For Lafayette HE-20 Series, HE-43 Series. HE-111 and HB-200. Shpg. wt., 602. 32 H 0923

Net .89

# CB Experimenters Parts and Accessories 

## SPEAKERS

Crisp, clear tone efficient speakers for CB transceivers. Operate well within C8 audio output oower ratings. $4^{\text {"* }} 3.2$ !?
For HE-20C Serles, HE-43C Serles, HB-111, HB-200, and HE-15B. Shpg. wt., 1 to. 32 H 0926

Net 1.95 For H8-115 Series and HE-90 31/2", 3.2 ohms, Shpg. wt., 1 lb .
32 H 0927
Net 1.95

## REPLACEMENT KNOBS

Attractive durable plas. tic replacement knobs for tuning and all other functions on transceivers. For HB-200, HE20 Series. HE-43 Serles.
32 H 0928 Funing Knob $\qquad$ Net .35
Rotary Knob for Selector, Receive, Volume Squelch, "S" meter, on H8-200, HE-20 serles, HE-43 serles, F for volume, noise limiter, crystal selector on HB-115 series.
32 H 0929
Net 35

## TRANSMIT-RECEIVE-

## SPRING RETURN SWITCH

A 4-pole 3 position switch for use in Citizens Band switching circult. Position 1 - Transmit (locks): Position 2 - Receive; Position 3 - Transmit, with spring return, for short periods of transmissions. Used in Lafayette HE-15 With schematic. Shpg. Wt., 602.
32 H 0920
Net 1.95
MOSLEY FLUSH MOUNT COAX TERMINATING OUTLETS


- Positive, Trouble Free Connection
- Complements any Room Decor

Designed for CB. Amateur Band and all business band radios. Termination for antenna coax and rotor cables in a flush wall outlet. Attractive molded lvory plastic does away with unsightly stragaling leads. Easy to install, makes positive connection. Shpg. wt. 6 oz.
Steck No. Fig. Mosley No. Type of outhet Nel 42 H 5105 Not III. C.IPK Single $\mathbf{\$ 0 - 2 3 9} \quad 2.27$ 42 H 5106 A C-2PK Double SO-239 4.08 $42 \mathrm{H} 5107 \quad \mathrm{~B} \quad$ CR-4PK Single $\mathrm{SO} 0239 \quad 3.54$ 4 wire rotor socket
42 H 5108 C CR-8PK Single SO. 2394.02 8 wire rotor socket

## LAFAYETTE COILED CB MICROPHONE CABLE



- Extends To 5 Feet
- Retracts To 10 Inches
- 3 Conductor plus Shield

A durable colled cord having three conductors, one of which is shielded. Each conductor is vinyi insulated. All leads are 3", with $1 / 2^{\prime \prime}$ stripped and tinned. Perfect communication replacement cord. Imported 99 H 4601 Shpg. wt., 7 oz.

## RECEIVER ANTENNA COIL

Variable RF Antenna Coil for RF Input tank assembly. Inductively tuned by slug. 78" diam, x Ko"t. For HE-29A oniv. Avr, $Q=80$.


99 H 6200 Shpg. wt., 402.

## RECEIVER OSCILLATOR COIL

Compact, slug-tuned receiver osciliator coil. Slug tuned to give resultant IF frequency of 455KC. Has tapped primary, plus secondary windings. Ko" diam. $x$ Kı'L. Avg. $Q=80$.
99 H 6202 Shpg. wt., 402.


Net 59

## 1st IF TRANSFORMER

Subminiature IF transformer. 455KC IF. Slug-tuned Ko" SQ. $\times \mathrm{Ko}_{0}{ }^{\prime \prime}$ High. Primary 70,000 ohms, secondary 15000 ohms. Shpg. wt., 60 oz. 99 H 6248 ......................... Net . 69

## 2nd IF TRANSFORMER

Subminlature slug tuned 455 KC transformer. Impedance: 50,0UU ohm primary, 1,000 ohm secondary. Ko" sq. $x$ Ko ${ }^{\text {H. H. Shpg, wt., }}$ 6 oz
99 H 6249
Net 69

## 3rd IF TRANSFORMER

Precision-bultt, subminiature 455 KC IF transformer. Slug.tuned. Primary 30,000 ohms; secondary 5,000 ohms. Ko" sq. $x^{\prime K} \mathbf{K o}^{\prime \prime} \mathrm{H}$. Shpg. wt., 602.
99 H 6329
Net . 69

## RF COAXIAL CONNECTORS



Stock No. Fig. Type Descriptlon Net
42 H 6903 A PL. 259
Male conn. For direct conriection into transcelver or antenna
42 H 6904 C UG-175/U l. 259 to RG-58/ U Diam.
42 H 69058 PL. 258
Junction Adapter -Accepts PL-259 on both ends for cable extension . 46

## CABLE ASSEMBLIES FOR

 LAFAYETTE COMSTAT 23, 25, 25A

FIG. A. AC Cable Assembly. $57 / 4 \mathrm{ft}$. of durable cable terminating in dual prong power plug on one end and in 8-prong octal sockef on other. Shipg. wt., 8 oz.
99 H 3181
FIG B. DC Cable Assembly. $42 / 2 \mathrm{ft}$. fused OC cable tinned on one and and terminating in octal socket on other. Shpg. wt., 8 Oz . 99 H 3182

Net 1.95


Versatile, low loss rotary selector switch for crystal and channel selection. Used in Lafayette HE-20C, HE-43C, HB-111 and H8-200. Shpr, wt., 80 I.
32 H 0921
Net 1.75
REAR WAFER FOR ABOVE CRYSTAL SELECTOR SWITCH
Used with 320921 above. Shpg. wt., 402. 32 H 0922

Net .95

A. Adapts from an auto antenna plug (Motorola type) to an S0-239 socket. Wt., 4 oz . 42 H 2201

Net 99
B. Adapts from PL-259 plug to a standard auto radio antenna jack (Motorola type). $4 \mathbf{0 z}$. 42 H 2202 Shpg. Wt., 4 oz. .........Net .99

KNURLED SCREW


For mounting bracket on Lafayette H8-444, HB-444/25, Comstat 23, Comstat 25, 25A. Screwdriver slot on top. Shpg. wt., 402. 99 H 3183


## MICROPHONE MOUNTING CLIP

Standard microphone mounting cllp. Accommodates most stud mounting CB and Ham microphones. Attaches to metal case or dash board with 2 screws. Wt., 4 oz . 99 H 3184
5A.

## Tune In The World With LaFaYETTE

 EXPLOR-AIR MARK V

# International Broadcast Shortwave Receiver 

Bring History Making News Into Your Home . . From The Famous Capitals of The World!



ECONOMY SHORT-WAVE PACKAGES WITH EXPLOR-AIR MARK V
 Antenna
Explor-Air Mark $V$ 49.95 Shortwave WIndow Antenna 9.95 TOTAL - $\overline{59.90}$


Only
$56^{95}$
SAVE 2.95

From Indlvidual catalog
40 H s014WXM Shpg. wt., 14 lbs. $\$ 5$ monthly
Explor-Air Mark $V$ $\qquad$ 49.95

Shortwave Outdoor and
Attic Antenna

$$
\text { TOTAL }-\frac{6.95}{56.90}
$$

Only

SAVE
2.95 Indiriaua catalog prices.

40 H 9012wXM Shpg. wt., 13 lbs $\$ 5$ monthly $\qquad$
Prices \& Spectifcations Subiect to Change Without Notice.

## HY-GAIN SW-9 SHORTWAVE WINDOW

ANTENNA - Includes Universal Window Mounting Bracket

## The ideal shortwave antenna for window

 Installations, where roof-top antennas are impractical or cannot be used. Provides broadband performance comparable with other larger installatlons. Consists of one 9 foot aluminum tubular element with a universal mounting bracket and feedline. Simple to install. Answers the problems of apartment dwelling SwL's. Shpg, wt., 3 lbs. $40 \mathrm{H} 3118 \ldots \ldots$ Net 9.95
## HY-GAIN SW- 6 SHORTWAVE ANTENNA



A completely assembled antenna, ready to install. Scientifically tuned for 1.8 to 30 MC coverage. Can be installed on any existing structure: pole-to-pole, pole-to-tree, garage-to-house, under the eaves, In the attic wire alt provide excellent reception. Con-
sists of 50 ft . copper woth ends to low-loss sists of 50 ft . copper wire attached at both ends to low-loss
styrene insulators. $\mathbf{1 5}^{\prime}$ weather-proof rope on each insulator. Shpg. wt., 2 lbs.
40 H 3117

## SRLAFAYETTE <br> Amateur Gear <br> 2-Meter Solid State Transceiver <br> For 12V DC Mobile or Portable Operation <br>  <br> with 12 V Mobile Power Cable, Carrying Case, Whip Antenna, Shoulder Strap, 10 Batteries



- For 144 to 148 Mc Operation
- High Efficiency 2.5 Watt Input
- 6 Crystal Transmit Positions with Front Panel Jack for Crystal or VFO
- Tuneable Dual Conversion Superhet Receiver
- Uses Standard 8 MC Crystals
- 18 Transistors. 7 Diodes

Features a highly selective $\mathbf{1 4 4 - 1 4 8} \mathrm{MC}$ tuneable dual conversion receiver with $1 \mu \mathrm{v}$ sensitivity for 10 db signal to noise ratio, 10.7 megacycle mechanical filter effectively eliminates QRM from "near frequency" stations (Selectivity: 40 db down at 30 KC ). Series gate limiter automatically suppresses bothersome noise. Efficient push. pull high level modulated transmitter dellivers over 1 watt of RF output power-enough for most line of sight applications. Provides five internal and one front panel switched crystal positions. May be used whth standard 8 MC crystals or external VFO. Spotting switch permits positive frequency identification, Convenient front panel $50-239$ coaxial connector accepts 19 inch whip or external antenna. 3-Way Switched Front panel meter indicates " S " units on Receive and Spotting, and battery condition. Supplied with leather carrying case, whip antenna, shoulder strap, 12 V moblle power cable, moblle mounting brackets and $10^{\circ} 0^{\prime \prime}$ size batteries. Less Crystal. Size: $12 \mathrm{~W} \times 74 / 4 \mathrm{H} \times 3^{\circ} \mathrm{O}$. Imported. Shpg, wt., 8 lbs.

Net 189.95
$99 \mathrm{H} 6256^{\circ} \mathrm{O}^{\prime \prime}$ " Cells (10 Required) $\qquad$ Net ea, .15 32 H 4884 " $0^{\prime \prime}$ Size Alkallne Battery ( 10 requilred) _ Net ea. . 65

## Model HB. 501 Solid State AC Power Supply

Allows use of HA- 144 on 117 VAC. Shpg. wt., 10 lbs.
99 H 3028W
8 MC Fundamental Crystal (Divide operating frequency by 18)
Will supply to nearest 5 KC .
40 H 5403C Specify Frequency

## 2-METER 120 WATT MOBILE LINEAR AMPLIFIER

 Now ... Real Power ForYour Low Power 2 Meter Rigs! 13995 Model HA. 260

No Money Down

Made in U.S.A

- 120 Watts (PEP) AM, FM, and CW
- Covers 144 to 148 MC
- No External Switching Required
- Built-in 12 VDC Toroid Power Supply
- Works with any AM, FM, and CW Exciter with 1 or more watts output

A completely self contained VHF linear amplifier designed specifically for moblie use. Efficient RF amplification stage utilizes a special purpose mobile applicatton Amperex 0x296/8637 twin tetrode, RF sampling relay automatically switches linear in the instant the exciter is energized, No external switching, wiring, or muting circults are necessary. Antenna is automatically connected directly to input socket in off or standby modes. Front panel controls permit full Ilexibility of tuning and power level selection. Illuminated relative RF power output meter simplifies linear and exclter tuning. Bullt in power supply features high efficlency transistor and toroid trans. former circuitry. Oversized heat sinks assure cool operation. Supplled with manual, fused DC power cable, and mounting bracket. 12 Volt OC Negative Ground Dily. Made in U.S.A. Shpg, wt., $31 / 2 \mathrm{lbs}$, 40 H 0108WX $\$ 7.50$ Monthly
SPECIFICATIONS: Minimum Rf Drive: 1 Watt. Input Impedance: 50 Ohms. Output Impedance: 50 Ohms. Amplification Mode: AM. Con. trols: Grid Tuning, Plate Tuning, Antenna Loading, Passive Grid Input. Power Requirements: 12 Volts DC (Negative Ground Only). Power Consumption: 12 Watts idling (1 Ampere at 12 Volts), 168 Watts at



## COMPLETELY WIRED

- Dual Conversion with Crystal Controlled 2nd Converter
- Built-in Solid State 12 V.D.C. and 117 V.A.C. Power Supplies
Exciting 400 series transceivers feature a powertul piate modulated 20 watt DC input transmitter and stable VFO with its own frequency control knob. Tune up is fast and efficient with driver and mutliplier automatically tuning with YFO. Shielded low pass filter minimizes TVI problems. Dual conversion receiver utilizes a crystal controlled 2 nd converter. Nuvistor RF amplis. fler's sensitivity is less than $1 \mu \mathrm{~V}$. for 10 db sjgnal to noise ratio. Selectivity at 8 KC is 35 db . SCR controlled noise limiter effectively eliminates most types of ORM. Other features include spotting switch, use of standard 7 and 8 mc . Crystals with front panel crystal socket: lliuminated meter that reads $S$ units on receive and RELATIVE RF output on transmit; plug-in encapsulated dust free relay switehing: 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


## Only $\rightarrow \underset{\text { No Money }}{\text { Down }}$

## BUILT-IN VFO

- Built-in Low Pass Television Interference Filter
- Tuned Nuvistor Front End
- 20 Watt DC Input-2E26 Final
come with both 117 V.A.C. and 12 V.D.C. (positive or negative pround) bullt.in solid state power supplies. Supplied with AC + DC power cords, mike and mobile mounting bracket. Size: $121 / \mathrm{d} W \times 51 / \mathrm{s} 14 \times 33 / 40 \mathrm{D}$. Im. ported. Shpg. wt., 22 lbs.
Lafayctte Model HA-460 - 6 Meter Amateur Transceiver for $50.0-52.0 \mathrm{MC}$. 99 H 2579 WX \$8 monthly.

Net 149.95 Crystals for HA.460. Specify Fundamental Frequency (divide operating frequency by 6). Whil supply to nearest 5 KC .
40 H 5403 C Specify Frequency
Net 2.95
Lafayette Model HA-410-10 Meter Ama. teur Transceiver for 28.0-29.7 MC.
99 H 2575 WX \$8 Monthly.
Net 149.95
Crystals for MA-410. Specify fundamental frequency (divids operating frequency by 4). WIII supply to nearest 5 KC . 40 H 5402 C Specify frequency

Net 2.95


## FRONT PANEL FEATURES

1 Alr Variable Antenna Load Control 2 Air Variable Plate Tuning Control
3 Calibrated VFO Frequency Control
4 Hluminated "S" and RF Output Meter
5 Calibrated Receiver Frequency Coatral 6 Transmitter Frequency Spotting Switch Front Panel Communications Speaker Front Panel Standard Earphone Jack Positive Contact PTT Microphone Socket Volume Control
Crystal-VFO Operation Mode Selector 2 Front Panel Crystal Socket

## NEW! LafayETtE 6 METER "RAPID.gRIP"

 MOBILE ANTENNA FOR 50 TO 54 MC.- Mounts In a Jiffy. . . No Holes To Drill in Car!


## NEW! LAFAYETTE 2 METER "RAPID-GRIP" MOBILE ANTENNA FOR 144 TO 149 MC.

- Mounts On Car Trunk In Seconds Without Drilling Holes

The Lafayette "Rapid Mount" 6 meter moblle antenna features an attractive base loading phasing transformer, stainless steel whip with adapter for extra fine tuning. and cadmium plated "Rapid-Grip" trunk-lip mount with water resistant body seal. Offers ideal omnidirectional signal pattern. Mounts conveniently and securely on lip of trunk without dribiling holes. Simply mount it and forget it. Approximately 43 inches long. Shpg. wt.. 2 los. 40 H 0109 less Cable Assembly...... Net 11.95 20 Ft. RG-58/U Cable Assembly 42 M 7002

Net 2.75

# NEW! 6-METER SOLID-STATE MOBILE TRANSCEIVER 

MOBILE


PORTABLE


## HA-750

- 5. Watts DC Input-
- 18-Transistors, 8-Diodes, 2-Zener Diodes
- Tuneable Receiver, Xtal/VFO Transmitter
- $\pm 200$ KC 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 major breakthrough in size, performance, and pricing of 6 -meter 2-way gear ... the HA.750. Fully transistorized $50-52$ MC circultry features selectable single knob VFO receiver/transmitter tuning with vernier offset or crysial controlied transmitter with tuneable receiver operation. Fine features include illuminated "S"/"PpF" meter, spot switch, series gate automatic noise limiting, built-In $3 \times 5^{\prime \prime}$ 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 PTI dynamic microphone. Size: $23 / 6 \mathrm{HH} \times 61 / 4 \mathrm{WH} \times 8^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt $51 / 2 \mathrm{lbs}$. 99 H 2605Wx $\$ 6.50$ Monthly-For Negative Gnd. Only _- Net 119.95 MODEL HB. 502 AC POWER SUPPLY for 117 volts AC operation. 99 H 3086 W Shpg. wt., 8 lbs.

MODEL MB-506 PORTABLE OC POWER PACK Attaches to HA-750 for convenjent portable operation. Less 8atteries.
99 H 3154 Shpg. wt., Ibs.
Net 19.95
"C" Dry Cell for HB-506 Power Pak (8 required)
99 H 6257 .....Net ea. . 14 Lots of 10 $\qquad$ Net 1.20 99 H 6293 Alternate "C" Alkaline Cell (8 required) ...... Net ea. . 35 DELUXE DYNAMIC DESK MICROPHONE with PTT and "Lock" Switch 99 H 4608 Shpg. wt., $14 / 2$ tbs. $\qquad$ Net 11.95
50 MC CRYSTALS FOR HA-750 Special order-4 weeks deliverr.
40 H 5701 CY Specify exact operating frequency $\qquad$ Net 4.95

LAFAYETTE 6-METER "RAPID-GRIP" MOBILE ANTENNA. Wt., 2 lbs. 40 H 0109 Less Cable Assembly

Net 11.95

## 100-WATT MOBILE LINEAR AMPLIFIER Model HA-250

## SMALL ...COMPACT ONLY 2 INCHES HIGH!

Convert Flea Power To Real Power!


No Money Down
$\$ 6.50$ Monthly
\$5 Monthly No Money Down

## - Covers 20.54 MC . . 6, 10, 11 and 15 Meters (Not Permitted on 11 Meters Class D (CB) Operation in U.S.A.) <br> - No External Switching Required

Boost flea power to real high power for extended range and better readability. Provides up to 100 watts PEP ( 50 Watts DC) input into a 50 ohm toad (with 8 watts RF drive). Unique RF sensing circuit automatically switches in linear when transmitter is activated. Absolutely no external switching is necessary. Built.in relay directly connects antenna to input SD-239 coaxial socket when recelving. No Internal connectlons are required to your existing equipment. Simply insert the unit in series with your transmitter for trans. celver) and antenna and you're on the air with a real punch. Circultry is broadbanded so only one tune-up is usually necessary on any band. Ifluminated front panel meter Indicates relative RF strength of Ilnear's output signal when linear is on or exciter's relative RF signal strength when IInear is off. Self-contained power

Made in U.S.A.

##  <br> $79^{95}$

 SSB or DSB, and CW- Completely Self-Contained 12 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 OC power cables, and mounting bracket. Made in U.S.A. Shpg. wt., $31 / 2$ lbs 40 H 0105 WX 12 volt DC Negative Ground Only Net 79.95

SPECIFICATIONS: Frequency Coverage: 20-54 MC. Plate Power Input: 50 Watts ( 100 Watts PEP). Minimum RF Drive: 1 Watt. Maximum Rr Drive: 10 Watts. Input Impedance: 50 Ohms. Output Impedance: 40 600 Ohms ( 50 Ohms Nominal). Amplification Modes: AM, FM, SS8 of 0S8. CW. Power Requirement: $11.5-14.5$ Volts DC (Negative Ground Only). Power Consumption: 12 Watts Idling ( 1 Ampere at 12 Volts), 96 Watts at Full Input ( 8 Amperes at 12 Volts). Size: 7 "D $\times 9$ "W $\times 2$ "H.

# 6-80 Meter SSB/AM/CW Receiver 



## 6 HAM BANDS INCLUDING 6 METERS

FOR: NOVICE-TECHNICIAN-GENERAL

# 10 TUBES, DUAL CONVERSION Only $129^{95}$ 

## NO MONEY DOWN

- 10 Tube Superheterodyne Circuit
- Product Detector for CW/SSB-Diode Detector for AM
- Two 455 KC Mechanical Filters for Sharp Selectivity
- Illuminated Calibrated S-Meter
- Dual Conversion On All Bands
- Built-In 100 KC Crystal Calibrator
- "Always-On" Oscillator Filament

Outstanding Lafayette Model HA-500 receiver features tuned RF and 1st mixer stages which provide maximum sensitivity and front end selectivity for high signal to noise ratio with superb image rejection. Dual intermediate frequency circuits utilize two ceramic 455 KC mechanical filters for additional wave shaping. Product detector and BFO combine for crisp and clear CW and SSB. 082 voltage regulator supplles osclilator with regulated 8 plus voltage for virtually driftless operation. Full time automatic voume control is automatically set to provide standard operation on AM and fast attack-slow decay on CW and SSB. Illuminated slice rule dial is callbrated for easy reading. Accurate built-in 100 KC callbrator assures precise calibra. tion. "Always On" oscillator fllament increases stablilty and reduces warm-up time. Controls: Tuning, Calibration off/on. Automatic Noise Limiter off/on, Antenna Trim, RF Gain, AF Gain (volume control), Bandswitch, BFO Frequency, and Function Switch. Sensitivity: less
than $1 \mu \mathrm{v}$. for 10 db signal to noise ratio on all bands. If Rejection: -40 db . Image Rejection: -40 db . Audlo Output: 1 watt. Intermediate Frequencies: 1st IF 2.608 MC , 2nd IF 455 KC . Output Impedance: 8 and 500 ohms. Tube Complement: 6826 RF Amplifier, 6AU6 1st Mixer, 6AQ8 Local Oscillator, 6BE6 2nd Mixer, 2nd Local Oscillator, 6BA6 1st IF, 6BA6 2nd IF, 6AQ8 Product Detector and BFO. $6 A 08$ AM Noise Limiter and 100 KC Crystal Calibrator, 68 M 8 Audio Amplifier, OB 2 Voltage Regulator. Power Requirements: 117 VAC Imported. Size: $15 \mathrm{~W} \times 71 / 2 \mathrm{H} \times 10^{\prime \prime} \mathrm{D}$. Shpg. wta, 25 lbs . 99 H 2574WX $\$ 8$ Monthly

Net 129.95
Model HE-48A $3 \times 5$ Speaker Mate for MA-500. 99 H 2569 Shpg. wt., 4 lbs.

Net 7.95
100kc Calibrator Crystal for HA. 500 40 H 0901L

## 10-80 Meter SSB/AM/CW Amateur Receiver

5 HAM BANDS PLUS WWV
$3.5-4.0 \mathrm{Mc} \quad 21.0-21.5 \mathrm{Mc}$
$7.0-7.5 \mathrm{Mc} \quad 28.0-29.7 \mathrm{Mc}$
$14.0-14.5 \mathrm{Mc}$ WWV at 15 Mc


No Money Down

- Mechanical filter for Exceptional Selectivity
- 12 Tubes Dual Conversion - Automatic Noise Limiter
- Product Detector for Selectable Upper and Lower Sideband Reception
- Complete with Crystals for $80,40,20,15$ and 10 Meters
- 100 KC Crystal Calibrator and Crystal BFO
- "S" Meter-Calibrated in "S" Units 1.9 and to +40 db

Lafayette's professional quality communications receiver: Dual conversion circuitry features an image and If rejection of more than 40 ob. A product detector, providing selectable upper or lower side. band, solves the problems in SSB reception. Tuneable preselector circuit gives sensitivity of less than 1 microvolt for 10 db signal.tonoise ratio. Selectivity: Bandwidth of 2 KC at 6 db down and 6 KC at 60 do down using mechanical filter. Front panel 100 KC crystal callbrator reset conirol used in conjunction with the 15 MC WWV station assures accurate callbration. CHECK THESE SPECIFICATIONS! Audio output: 1-watt maximum. Speaker impedance: 8; 500 ohas (speaker not supplled). Front panel controls: Preselector; Cal On/off: Band Selector; Recelve/Send; Tuning Cal Reset; Function -Off/AM'SSB1-CW/SSB2; RF gain; AF Gain; ANL; Phone jack. Tube


Mechanical Filter Uitra.sharo selectivity is achieved by means of a true mechanical band pass filter in the 455 Kc If section.
complement: 6B26-RF amp.; 68L8-Xtal controlled 1st mixer. 68E6 -2nd mixer; 6BA6-VFO; 6BA6-IM amp.; 6BA6--IF amo; 6AL5-AVC rectifier and AM noise limiter; 6AO8-product detector and crystal catibrator; 6AVG-1st audio amplifler; 6AQ5 audlo output; 6BA6BFO; OB2-regulator, Silicon Full Wave rectifier. Size: $15 \mathrm{~W} \times 7 \not 2 \mathrm{Hx}$ $10^{\circ \prime} \mathrm{D}$. For 115 V 50/60 cos AC. Imported. Shpg. wt., 25 lbs . Less Callbrator Crystal.
99 H 2524WX $\$ 7$ Monthly
100 KC Callbrator Crystal for HA-350.
40 H 0901 L
Net 129.95
MODEL 3 Speater 3.95 Size: 7/7Wx50/40x79 89 H 2571 Shpg. wt., $51 / 2$ lbs.

# SRAFAYETTE 5 Band AM/CW/SSB Solid State Amateur And SW Receiver 

## 2

 Field Effect Transistors 10 Transistors 8 Diodes

## 5 BANDS:

BAND A
BAND B
BAND C
BAND D
BAND E 150 KC To 400 KC 550 KC To 1600 KC 1.6 MC To 4.8 MC $\quad 4.8$ MC To $14.6 \mathrm{MC} \quad 10.5 \mathrm{MC}$ To 30 MC

Shortwave - Amateur - AM Broadcast - Weather \& Marine Bands

- 10 Transistors, 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 AC 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
- Built-in 100 KC Crystal Calibrator With Front Panel Switch


# Only <br> $99^{95}$ 

No Money Down

New HA-600 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 Field 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 exceptional stabillty. Series Gate noise fimiter and automatic volume control circultry provide efficient nolse and audio blasting suppression. Built-in variable BFO permits clear re. ception of code and single sideband signals. Dual 455 KC mechanical filters assure superior selectivity. Recelver's operation is virtually undisturbed by harmonics or noise from antenna to speaker. Rear panel accessory socket provides convenient connection tor audio. 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 band-
spread scales. Electrical bandspread features wide calibration for easier tuning of crowded ham bands. Operates from 117 VAC 60 cycles or 12 VDC (negative ground only)... perfect for emergency use! Imported. Shpg. wt. 18 lbs.
99 H 2595 WX \$5 Manthlv
Net 99.95
99 H 2569 Matching $3 \times 5$ inch speaker in handsome cabinet Net. 7.95 SPECIFICATIONS: Sensitivity: $1 \mu \mathrm{~V}$ at 10 db signal to nolse ratio. Selectivity: $\pm 6 \mathrm{KC}$ at 60 db down, $\pm 2 \mathrm{KC}$ at 6 db down. Intermediate Frequency: 455 KC . BFO Frequency: $455 \mathrm{KC} \pm 2.5 \mathrm{KC}$. 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 Requirements: $105-120$ volts 60 cycle $A C$ ( 17 watts max.) 12 Volts DC ( 650 ma . max.). Controls: Function, 8FO, Volume, Band Selector, RF Gain. Antenna Irimmer, Calibrator On/off, and Automatic Noise Limiter On/off. Size: $15 \mathrm{~W} \times 93 / 4 \mathrm{Dx} 8 \mathrm{y} / \mathrm{a}^{\prime \prime} \mathrm{H}$.

## MODEL HE-48A $3 \times 5$-INCH PERMANENT MAGNET SPEAKER

## ONLY <br> 795

SPEAKER MODEL HE-48A

## Superb DRAKE Amateur Equipment

## MOOEL TR-4 SSB/AM/CW TRANSCEIVER

- Full Frequency Coverage 10-80


## $599{ }^{95}$

No Money Down Meters

- Vox and Push to Talk on AM
- Automatic TR Switching on CW - CW Side Tone Oscillator

Deluxe SSB/AM/CW transceiver with VOX and PTT on SSB and AM, automatic transmit/receive switching on CW. Ideal for moblie or portable work. Sensitivity less than $1 / 2$ microvolt for $10 \mathrm{db} \mathrm{S} / \mathrm{N}$. Features: Selectivity 2.1 KC at $6 \mathrm{db}, 7.5 \mathrm{KC}$ at 60 db ; Ranges 3.5 .4 MC , 7.0.7.6MC, 13.9-14.5MC, 21-21.6MC, 28-28.6MC, 28.5-29.1MC, 29.1. 29.7MC; Transistorized permeablity tuned oscillator which tunes 4.9-5 MC; Less than 100 cps drift after warmup; input power 300 w PEP (SSB) 260w AM or CW; 20 lubes 6 diodes and built in 100KC xtal calibrator.
$143 / 8^{\circ}{ }^{\circ}$. Shpg. wt., $131 / 2$ 'bs.
40 H 6521wx Model TR-4 No Money Down
Net 599.95
40 H 6504 MS. 4 Matching Speaker for TR-4, wt. $51 / 2 \mathrm{lbs}$. Net 19.95 40 H 6524Wx AC-4 AC Power Supply for TR-4, 19 lbs. ... Nel 99.95
40 H 6508wX DC-3 DC Power Supply for TR-4, 10 lbs.......... Net 149.95

## MODEL R-4A TRIPLE CONVERSION RECEIVER

$399^{95}$

- Solid State Linear

Permeability Tuned VFO

- Noise Blanker on CW, SSB, AM

No Money Down - Crystal Lattice Filter
Triple conversion amateur band receiver with exceptional plus fea. tures, covers $80,40,20$, and 15 meters completely, and $28.5-29 \mathrm{MC}$ of 10 meters with crystais furnished. Crystals for other 500 KC segments from $1.5-30 \mathrm{MC}$ avallable on special order. Sensitivity control with 4 bandwidths: $0.4 \mathrm{KC}, 1.2 \mathrm{KC}, 2.4 \mathrm{KC}$ and 4.8 KC . Pass band tuning permits SB selection without refuming and adjustment. Nolse blanker, notch filter, 100 KC crystal calibrator. Crystal lattice filter ist IF. Crystal osciliator and low frequency VFO outputs are premixed. Receives SSB. AM, CW and RTTY with full RF gain. Product defector for SSB/CW-diode detector for AM. Transceive capability: transcelves with T-4 "Reciter" or T-4X Transmitter. S-meter. Less speaker. 60 watts, $120 / 240 \mathrm{VAC}, 50 / 60$ cycles. $51 / 2 \mathrm{H} \times 103 / 4 \mathrm{~W} 11 \$^{2}{ }^{\circ} \mathrm{D}$. Shpg. wt., 18 lbs.
40 H 6523 wx $\$ 19$ Monthly
Model MS-4 Matching Speaker for R-4A. Wt. 8 Ibs
40 H 6504


## 2-NT CW TRANSMITTER

$129^{\circ 0}$

- 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 loading: PA Plate tuning only! Additional features Include: Automatic recelver muting; built-in CW sidetone with adjustable level; low pass filter prevents TVI; spotting function; RF indicator light and built-in power supply. In standby position transmitter can be used as a code practice oscillator. Plate meter is red-IIned for Novice power. Delay control varies from full "break-in" to 4 seconds. Also has $2 \cdot$ front panel crystal sockets; rear panel mute, external switch. VFO and key jacks. For 120 V ., $50.60 \mathrm{~Hz} \mathrm{AC}. \mathrm{Size:}$ $97 / 4 \times 6 \%_{3} H_{x} 6 \%_{4}{ }^{\circ} \mathrm{D}$. Shpg. wt., 14 lbs. 40 H 6527wx $\$ 7$ Monthly ................ 129.00

## T-4X SSB/CW/AM TRANSMITTER

 399 ${ }^{95}$ - 200 Watts PEP Input- 5 Bands SSB, CW, AM and RTTY
- 2 Crystal Lattice Filters

Covers $160-10$ Meters. Permeability tuned VFO has a calibration accuracy of better than 1 kc . Rated at 200 watts PEP on SSB, 180 watts PEP on AM, and 180 watts CW. AM controlled carrier modulation is compatible with SSB linear amplifiers. Two crystal lattice filters for sideband selection. Plate/current relatlve output meter. Automatic trans-mit-receive switching on CW delivers true break-in to 60 wDm. VOX or PTT on SSB and AM. AGC operates on SSB to prevent flat topping due to overdrive. Size: $51 / 2 \mathrm{H} \times 115 \mathrm{sDx}$ $103 / 4$ "W. Less power supply. Shpg. 18 lbs. 40 H 65I9wx $\$ 19$ Monthly ........ Net 399.95

AC-4 117 VAC Power Supply for T-4X 40 H 6524wx $\$ 5$ Monthly


## 2.C SSB/AM/CW RECEIVER

 $2299^{95}$No Money Down

- 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 accessory crystal. Features include: USB/LSB, CW, AM, RTTY with full RF gain; solid state AVC with fast attack and slow release for SS8, 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-passtand filter and accurate S-me. ter. Rear panel jacks for antenna, loudspeaker, external muting and sidetone. Size: $11 \%$.W $\times 6 \%$ H $\times 9 \%$ "D. Shpg. wt., 15 lbs. 40 H $6528 \mathrm{WX} \$ 11.50$ Monthly .... Net 229.95 Model 2-CS Matching Speaker for 2-C. 40 H 6529 W Shpg. wl., 6 lbs. .... Net 19.95

# hallicraffers and DRAKE Receivers FOR THE AMATEUR and SHORTWAVE LISTENER 



## HALLICRAFTERS SX-130 GENERAL COVERAGE RECEIVER

- Covers 533KC to 34 MC
- Product Detector for CW and SSB
- Crystal Filter, Antenna Trimmer, S-Meter and Noise Filter
Tunes the broadcast band: 533.1600 Kc plus three short-wave bands which cover 1700 Kc to 34 Mc . 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 $105 / 125 \mathrm{~V}, 50 / 60 \mathrm{~Hz}$ AC. Size: $187 / \mathrm{m}^{2} \times 8 \times 93 / \mathrm{m}^{\mathrm{N}}$. Shpg. wt. 25 lbs.
$40 \mathrm{H} 2546 \mathrm{Wx} \$ 9$ Monthly
Model R. 50 Matching Speaker. Shpg. wt., 3 lbs. 40 H 2544

$289^{95}$
No Money Down


## HALLICRAFTERS SX-122

## GENERAL COVERAGE RECEIVER

## - AM/CW/SSB Reception

- Dual Conversion on All Bands
- Bandspread Calibrated for $80,40,20,15,10$ Meters and Citizen Band
A deluxe general coverage receiver using dual conversion on all bands for maximum AM/CW/SSB reception. Covers standard broadcast and three additional bands for $1750 \mathrm{KC}-34 \mathrm{MC}$. Excellent performance with amplified AVC . and an antenna trimmer. Also features a series noise limiter and crystal controlled 2nd conversion oscillator. Controls include: BFO, phone jack on front panel, selectivity, band. spread, RF and audio gain. Terminals for standard 1 or 2 wire an. tennas. For $105 / 125$ volts, $50 / 60 \mathrm{cps}$. Dimensions: $183 / 4 \mathrm{Wx} 8 \mathrm{Hx} 93 / 4^{\prime \prime} \mathrm{D}$. Shpg. wt., 32 lbs.
40 H 2516wX ..................... $\$ 15$ Monthly.
Net 289.95
Net 19.95

HALLICRAFTERS SOLID STATE SWL RECEIVERS $\begin{gathered}\text { electric world clock } \\ \left.\begin{array}{l}\text { With bonus }\end{array}\right)\end{gathered}$


24 Hour Electric World Clock 8.95


Model S-214
less Clock
Model S-214
plus Clock

## $89^{95}$ <br> No Money Down

## Model S-240 less Clock

109
95
No Money Down Deluxe Model Soverage SWL Receiver tunes the standard AM and FM broadcast bands plus three shortwave bands which cover 2.5 MC, 4.8-11.5 Mc, and $11-30 \mathrm{Mc}$. Illuminated side. rule dial scale and tuning meter; variable tone control; automatic gain control: fine tuning; and FM-AFC. CW-BFO controls. Built-in triple antenna system and $4^{\prime \prime}$ speaker. Audio output: over 1.0 watt. For 117 V . 60 Hz AC. Dimensions $5 \% \times 137 / 8 \times 8^{\circ 口}$. Shpg. wt., 11 lbs . 40 H 2562 wx Model S-240 Recelver Only. \$6 Monthly. Net 109.95 40 K 2563 wxM Model S-240 Receiver plus World Clock Net 109.96

New! Model S-214 Solid State 6-Band FM/AM "SPREAD" SWL Receiver tunes four International Broadcast bands: 5.9-6.25 Mc ( 49 Meters); 9.4.9.8 Mc (31 meters); $11.5 \cdot 12.0 \mathrm{Mc}$ ( 25 meters); and 15.05-15.55 Mc ( 19 meters), plus the AM and FM standard broadcast bands. AFC assures drift-free FM reception. Illuminated sllde-rule dial is marked with major international stations; 3-built-in antennas for AM, FM, CWi 4" speaker. For $110-120 \mathrm{~V}$, $50 / 60 \mathrm{~Hz} \mathrm{AC} 57 / 8 \times 137 / .8 \times 8^{\circ} \mathrm{D}$. 40 H 2560 w Model S. 214 Receiver Only. Shpg. wt., 11 lbs . Net 89.95 40 H 2561 WXM Model S-214 Receiver plus World Clock

Net 89.96


RAKE SW-4 DUAL CONVERSION SHORTWAVE BROADCAST RECEIVER
$289^{\circ 0}$
No Money Down

- Crystal Lattice Filter for Adjacent Station Rejection
- Crystal Controlied HF Osciliator
- Ultra Precision Dial Accuracy

Dependable AM reception of international shortwave Broadcasts coverage of frequencies: $6.0-6.5 \mathrm{MC}, 9.5-10.0 \mathrm{MC}, 11.5-12.0 \mathrm{MC}$, 15.0-15.5 MC, 17.5-18.0 MC, 21.5-22.0 MC, and 25.5-26.0 MC with crystals supplied. Three accessory crystal sockets are provided for coverage of any three additional 500 KC ranges between 1.5 and 30 MC, except 5.0-6.0 MC. Precision tuning with excellent stabillty 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. $120 / 140$ VAC, $50 / 60$ cycles. $51 / 2 \mathrm{H} \times 103 / 4 \mathrm{~W} \times 115 / \mathrm{m}^{\prime 2} \mathrm{D}$. Shpg wt., 18 lbs .
40 N 6525 WX
\$19 Monthly
Net 289.00
40 H 6504 MS Matching Speaker for SW.4, 51/2 lbs. .......... Net 19.95

## hallicraffers साजD.

NEW! EICO 711 "SPACE RANGER" SHORTWAVE COMMUNICATIONS RECEIVER


$$
{ }_{\text {кіт }} \mathbf{4 9} 9^{95} \text { wieo } 69^{95}
$$

\author{

- Electrical Band Spread Tuning
}

Tunes 550.1600 Kc AM radlo broadcast band plus 1620 Kc to 30 Mc shortwave in 3-bands; covers the Amateur Radio band of 160,75 $40,20,15$, and 10 meters. Modern printed circult board construc tion makes kit building fast and easy, and achieves a unlque combination of sensitivity and selectivity. Labeled wide-view, illuminated slide-rule dial, balanced main tuning control, and professional S-meter provides smooth, effortiess station selection. Bandspread control electrically spreads-out stations resuiting in increased sharpness of station selection. For Ham operation has standby swittch and BFO for CW and SSB reception. HIgh voltage transformer-type power supply; built-in 4" speaker, and ferrite rod AM antenna; provisions for external antenna; convenience terminals for 0 -multiplier input and noise-limiter on/off switch. For 117 V ., $50 / 60 \mathrm{cps}$ AC. Size: $6 \times$ $131 / 2 \times 9 \sim \mathrm{D}$. Shpg. wt., 18 lbs.
40 H 7421 W Kit. $\$ 5$ Monthly
Net 49.95
40 H 7422W Model 711W but factory wired and tested.
Net 69.95

# Amateur Equipment <br> <br> HALLICRAFTER 6 and 2 METER VHF <br> <br> HALLICRAFTER 6 and 2 METER VHF TRANSCEIVERS 

 TRANSCEIVERS}

## Model SR-46A

6 Meter Transceiver

# $199^{95}$ 

No Money Down
Model SR-42A
2 Meter Transceiver
$199^{95}$
No Money Down


MODEL SR-46A, 6 METER TRANSCEIVER, compact with built-in supply for 117 VAC and 12 VOC. This transcelver can go anywhere for mooile communications or function as a fixed station. Receiver has dual conversion, crystal controlled 2nd oscillator for increased se. lectivity and nuvistor tube for greater sensitivity. Automatic nolse 11 miter 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. Buill-in squelch. $51 / 2 \times 121 / 8 \times 81 / 4^{\circ} \mathrm{D}$. Shpg. wt., 10 lis 2526 wx \$10 Monthly $\qquad$ Net 199.95 MODEL SR-42A 2 METER TRANSCEIVER. Same as above except for the 2. Meter band. Shpg. wt., 17 lbs.

40 H 2527WX $\$ 10$ Monthly
Net 199.95 MODEL HA-26. Deluxe 2 and 6 meter VFO for Model SR 46 , SR 46A. SR 42 find $\$ R 42 A$. One tube tickler coll type oscillator. Zener regu. tated. $51 / 4 \times 53 / 8 \times 51 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 4 lbs .
$40 \mathrm{H} 2557 \$ 5$ Monthly $\qquad$ Net 49.95

## DELUXE HAMMARLUND AMATEUR RECEIVERS



## As Low As 46995

- General Coverage 540KC-30MC
- SSB, AM, CW Reception

Triple conversion, general coverage receiver for SSB, AM, and CW reception. Calibrated bandspread on the $80,40,20,15$ and 10 meter amateur bands phus a $\pm 3 \mathrm{KC}$ vernier. Full dial coverage from 540 kC to 30 MC . Slot filter, selectable sideband, tuned I.F. and separate linear detector. Sensitivity: $7 \mathrm{\mu v}$ on SSB/CW for 10:1 SN ratio. Buift-in 100 KC crystal caliorator. Fast attack and adjustable decay AVC. Adjustable selectivity ( $1-2-3 \mathrm{KCS}$ on upper and lower sidebands). Adjustable series-type noise limiter for positive and negative clipping. 17 tubes and sllicon diode power supply. For $115 / 230 \mathrm{~V}, 50 / 60 \mathrm{cps}$ AC. Size: $19 \times 10^{1} / 2 \times 13^{\prime \prime}$. Shpg. wt., 45 lbs .
40 H $2813 \mathrm{wx} \$ 22$ monthly Net 469.95
Model HQ-180C Receiver w/clock
40 H 2814wx $\$ 23$ monthly ........Net 482.95
Metching Speakers for Hammarlund Recelvers Model S100 Matching Speaker for HQ-110A Series.
Series. 2829 Shpg. wt., 10 lbs. ...... Net 14.95 Model S200 Matching Speaker for HQ-170A, HQ-180A Series.
40 H 2830 Shpg. wt., 10 lbs. ...... Net 19.95


As Low As 25995

- SSB/CW and AM No Money Down
- 160 to 6 Meters

Full dial coverage of $6,10,15,20,40,80$, and 160 meter bands. Expanded dial with 144-148MC callibrations for use with 2 -meter converters. Accessory socket for preamps or converters and separate 6 meter coax input for rapid shift from VHF to LF operation. AVC operates on RF and IF. a multiplies continuously variable from 100 cps to 3 KCs . Separate stabilized BFO and linear detector for SSB and CW reception. Calibrated " $\$$ " meter. Adjustable series type noise IImiter. Built-In 100 KC crystal calibrator. For 105. 125 cps . AC $161 / 4 \mathrm{~W} \times 9 \% \mathrm{oH} \times 91 / \mathrm{m}=\mathrm{D}$. Shpg. wt., 33 ibs.
40 H 2817wx $\$ 12.50$ monthly__ Net 259.95 MODEL HQ-11OAC Receiver W/clock. $40 \mathrm{H} 2818 \mathrm{wx} \$ 12.50$ monthly _ Net 272.95

## HQ-110A VHF RECEIVER

Same deluxe features as HQ-110A except includes complete coverage of 160 to 2 includes complete coverage of 160 to
meters. No add-on converters required. HQ-110A-VHF. Shpe, wt., 48 lbs.
40 H 2819 wx $\$ 15$ monthly ...... Net 309.95
HQ-110AC-VHF Recelver w/clock 40 H $2820 \mathrm{WX} \$ 17$ monthly $\quad$ Net 322.95


## TRIPLE CONVERSION RECEIVER

## As Low As 37995

- 160 to 6 Meters No Money Down
- SSB/CW and AM/MCW

Deluxe ham-band receiver which offers extreme ease of operation on SSB/CW and AM/MCW. Tunes all of the amateur bands from 160 up to 6 meters and is calibrated for two meter operation when used with a converter. Offers: razor sharp adjustable slot filter ${ }_{i} \pm 3 \mathrm{kc}$ separate vernier control for effortless SSB tuning; separate product detector; tumed IF amplifiers; variable BFO (fixed for SSB); adjustable selectivity; 1-watt of undistorted audio output; accessory power socket for converter; high.efficiency silicon rectiflers; and built-in 100 kc crystal callbrator. Power consumption is 120 watts at 115 VAC. Size: $19 \times 101 / 2 \times 13^{\prime \prime}$.
Shpg, wt. 45 lbs.
40 H 281 I WX HQ.170A
Net 379.95
HQ-17OAC Recelver with clock. 40 H $2812 \mathrm{WX} \$ 19$ monthly Net 392.95
HQ170A VHF RECEIVER
Same deluxe features as HQ.170A except includes complete coverage of 160 to 2 meters. No add-on converters necessary. HQ-170A-VHF Shpg. wt., 48 lbs. 40 H $2805 \mathrm{WX} \$ 22$ monthly Net 439.95 HQ-170AC-VHF Receiver with clock. 40 H $2806 \mathrm{WX} \$ 22$ monthly _net 452.95

# Reknown Swan and Eico Amateur Equipment 

POPULAR SWAN 350 5-BAND SSB TRANSCEIVER


## $420^{\circ 0}$

- 5 Bands: 3.5-4.0 MC, 7.0-7.5 MC, 13.85-14.35 MC, 21.0-21.5 MC, 28.0-29.7 MC

No Money Down

- 400 Watts SSB input, 320 Watts CW Input, 125 Watts AM Input - Crustal Lattice Filter

Compact SSB transceiver for fixed, portable or moblle operations. 400 watts PEP on the popular ham bands: $3.5-4.0 \mathrm{mc}, 7.0-7.5 \mathrm{mc}$, $13.85-14.35 \mathrm{mc}$, $21.0-21.5 \mathrm{mc}$ and $28.0-29.7 \mathrm{mc}$. Upper sideband on 20-15-10 and lower sideband on 80 and 40 meters. Complete 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-50db, unwanted sideband-40db. Mike jack conveniently located on front panel with easy to read calibrated dial. Full 400w input SSB. 320w CW and 125 w AM. May be used with Swan VX-1 plug in Vox. Dimensions: $542 \mathrm{Hx} 13 \mathrm{~W} \times 11^{\prime \prime} \mathrm{D}$. 40 H $7008 \mathrm{wX} \$ 22$ Monthly Shpg, wt., 18 Ibs .

ACCESSORIES FOR MODEL 350
Net 420.00
40 H 7009wx $117 \times$ C AC Power Supply and Speaker, 11 Ibs. Net 95.00 40 H 7006 WX 14.11712 VDC Power Supply. Wt., 8 lbs...Net 130.00 40 H 7007 VX-1 Piug-in Vox Adapter, Shpg. wt., 5 lbs, Net 35.00

## SWAN DELUXE MODEL 250 6 METER SSB TRANSCEIVER



- 240 Watts PEP Input, 180 Watts CW Input, 75 Watts AM Input - 2.8 KC Bandwidth with Crystal


## No Money Down

 Filter at 10.7 MCDeluxe 6 Meter $5 S B$ transcelver with complete band coverage 50 54 MC . Smooth vernler tuning covers 500 KC , calibrated in 5 KC increments. Transmits and receives on upper sideband. Excellent volce quality and talk power. Two 61468 tubes in power amplifier, 2.8 KC bandwidth with crystal filter at 10.7 MC . Single conversion design for minimum image, optimum tuning. Audio flat from 300 to 3100 cycles. 40 db side band suppression, 50 db carrier suppression, Recelver noise less than 3 db , 6HAS 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. $51 / 2 \mathrm{Hx} 13 \mathrm{~W} \times 11^{\circ} \mathrm{O}$. Shpg. wt., 18 lbs.
40 H 7011wx \$17 Monthly
Net 325.00
ACCESSORIES FOR MODEL 250
49 H 7009 WX 117 XC AC Power Supply and Speaker, 11 lbs . Net 95.00 40 H 7006WX 14-117 12 VDC Power Supply, Wt., 8 1bs.... Net 130.00 40 H 7007 VX-1 Plug-in Vox Adapter, Shpg, wt., 5 lbs. Net 35.00

## NEW DELUXE SWAN 500 5-BAND SSB TRANSCEIVER



# окит $495^{\circ 0}$ <br> No Money Down 

- 480 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, Improved circuit efficiency provides increased power rating of 480 watts P.E.P. on sideband; 360 watts CW input and 125 watts AM. Full 5 band frequency coverage: $3.54 .0 \mathrm{mc}, 7.0 .7 .5 \mathrm{mc}, 13.85-14.35$ $\mathrm{mc}, 21-21.5 \mathrm{mc}, 28-29.7 \mathrm{mc}$. Features: Selectable upper and lower sideband, 100 KC crystal calibrator, automatic noise limiter, increased VFO stability, crystal lattice filter, advanced product detector clrcuit plus new AGC system, provision for internal speaker. Sensitivity is better than $.5 \mu \mathrm{v}$. The precision tuning mechanism is very smooth and provides easy tuning. Rejection befter than 100 db . Built-in accessory socket for external VFO, $16 \times 151 / 4 \times 8 \mathrm{y} / 4$. Shpg. wt. 22 lbs. 40 H 7013WX $\$ 24$ Monthly

Net 495,00

$$
\text { ACCESSORIES FOR MODEL } 500
$$

40 H $7009 w x$ 177Xc AC Power Supply and Speaker, 11 Ibs. Net 95.00 40 H $7006 \mathrm{WX} 14-11712$ VOC Power Supply, Wta, 8 lbs. Net 130.00 40 H 7007 VX-1 Plug-in Vox Adapter, Shipg. wt., 5 lbs. Net 35.00

## SWAN MODEL MARK 1-2000 WATT

## LINEAR AMPLIFIER

2000 watts PEP input, 80 thru 10 meters. Uses 2 EIMAC 3-400Z zero blas triodes. (Not included). Metering of grid current, plate current, plate voltage, and relative output, built in 117/220 volt AC supply. Size: $191 / 2 \mathrm{~W} \times 181 / 2 \mathrm{H} \times 152 / 2 m \mathrm{D}$. Shpg. $w t$., 60 lbs . (Less EIMAC 3-4002 tube.)
40 H 7012WX \$24 Monthly
Net 475.00 Pair of EIMAC 3-4002 Tubes $\$ 5$ Monthly

Net Pr. 68.00


## MODEL. TX. 622 AND 6 METER TRANSMITTER


only $149^{95}$

- Frequency Coverage 50-54 MC and 144-148MC
- Power Input: 75 Watts CW, 75 Watts peak on Phone
- Meter Reads Final Cathode Current, Final Grid Current and RF Dutput
- Built-in Solid State Power Supply
A complete 75 watt phone and CW Transmitter with a bullt-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 8MC type. Power input to the final is 75 watts on CW and 75 watts peak on AM phone. Tube lineup: 6GK6-0sc, tripler; 6GK6 doublep. 7688 tripler (on 2 meters); 7984 final: $12 A \times 7$ and 6GK6 modulator. Size $111 / 2 \times 91 / 2 \times 6^{\prime \prime}$. Shpg. wt., 36 lbs.
40 H 1035WX $\$ 8$ monthly ....... Net $\$ 49.95$


## MODEL AC.IT AMATEUR TRANSMITTER KIT



- Ideal for Novice
- Self Contained


The ideal unlt for beginner or novice. Con tains transformer powered AC power sup. ply. Uses a Pi-network output. Has full 15 watt input on 40 and 80 meters. Easy to bulid and operate. Complete with punched chassis, all parts, lubes $(6 \mathrm{~V} 6$ and $6 \times 5$ ) and instrucilions. Shpg. wt., 8 lbs. Complete with 1 coll kit
40 H 1009 Transmitter Kit ............ Net 21.95 40 H 1010 CK 1 extra coil klt ........ Net 1.00

## MOOEL 621 VFO

## $59^{95}$

Versatlie VFO for op. eration on 50, 144, and 220 MCS. Can be used with the AME
 CO TX. 62 or with any transmitter using 8 MC crystals. High stability. No chirp with keying. Warmup time is very short as both oscillaters use transistors. Size: $6 \times 5 \times 71 / 2{ }^{\prime \prime}$. Shpg. wt., 6 lbs.
40 H 1044

MODEL R-5 5-BAND SOUD STATE GENERAL COVERAGE RECEIVER



KIT


WIRED

FOR AMATEUR, SWL, POLICE AND FIRE KIT OR FACTORY WIREO

- Continuous Coverage540 KC -54MC
- Bandspread Tuning-Noise Limiter
Fine receiver for the short wave listener and the ham, General coverage in five bands-all amateur bands from 160 thru 6 meters, 27 mc C8 channels, and 2 -way radio frequencles from $30-50 \mathrm{mc}$. Fully transistor-ized-no warm up necessary with built in power supply. Features 2 If stages for sensitivity, $6^{\prime \prime}$ sliderule dial, electrical bandspread, noise limiter, BFO for CW reception, headphone jack for prlvate ilstening. Complete with 2 tone grey metal cabinet. Size $12^{\prime \prime} \times 6^{\prime \prime} \times 9^{\prime \prime}, 115$ VAC. Shpg. wt., 12 lbs.
40 H 1045 R .5 KIt $\qquad$ Net 64.95
Net 79.95
40 H 1046 R-5 Wired
$\qquad$


## Squires 3 Sanders - NATIONAL - AMATEUR GEAR

SQUIRES-SANDERS 2 and 6-METER VHF TRANSCEIVERS
 No Money Down

CLEGG 66'ER
6 Meter Transceiver
$249^{50}$
Less Mike
No Money Down


- Both the $22^{\prime}$ er and $66^{\prime}$ er Have Built In 115VAC/12VDC Solid State Power Supplies

CLEGG 22'ER-Complete 2 meter AM package with dual conversion receiver and 18 w input transmitter. Meter functions as "S-meter" in recelve and Output meter for tune.up. Covers $143.8-148.2 \mathrm{MC}$ with fine funing con trol. Features NUVISTOR RF stage for . $2 \mu \mathrm{~V}$ sensitivity. Audio output, 3 watts. Transmitter features broadband exclter; push-to-talk; frequency spotting switch. Internal solid state power supply for 115 volts AC and 12 volts DC. Size: $121 / 0^{\prime \prime} \times 61 / 2^{\prime \prime} \times 101 / 4^{\prime}$. Less mike and crystals. Shpg. wt., 19 ids. 40 H 4402WX $\$ 12.50$ monthly Net 249.50

CLEGG 66'ER - Successor to the famous 99'ER. Compact and flexible, for fixed or mobile use. Internal $115 \mathrm{VAC} / 12 \mathrm{VOC}$ power supply. Sensitive dual conversion recelver covers 49.9.52.1MC with 60db rejection of spurious signals. Features AGC, squeich, switchable ANL, built in speaker. 22 watf input transmitter incorporates high talk power with speech clipping and 50 db harmonic suppression. Multituned and broadband exclter stages for quick QSY. Crystal frequency control. Size: $121 / 4 \times 12 \times 71 / 4^{\prime \prime}$. Less mike and crystals. Shpg. wt., 19 lbs 40 H 4418wx $\$ 12.50$ monthly ... Net 249.50

NATIONAL NC-200 5-BAND SSB/AM/CW TRANSCEIVER

$359^{\circ 0}$

- Crystal Lattice Filte Down - 80 Thru 10 Meters
Provides complete coverage from 80 thru 10 meters with premixed, crystal controlled high frequency oscillator and tunable VFO. 200 watts PEP on all bands; 120 watts CW ; 30 watts AM, Planetary, split-geared, slow motion drive for easy tuning; calibrated in 5 kHz increments. SSB, CW and AM modes with fast attack. slow release AGC, and separate product and AM detection; automatic carrier insertion for AM or CW modes. Crys tal lattice filter provides up to 50 db sup. pression on transmit. plus rejection of adjacent channel QRM on recelve. Solid state balanced modulator for stable 50 db carrier suppression. ALC provides maximum talk power. Comes with universal moblle mounting bracket. Extruded aluminum front Danel. satin-anodized off-white finish. Size: $6 \mathrm{~K}_{\mathrm{y}} \mathrm{Hx}$ 13\% 4 x11"O. Shpg. wt., 16 lbs 40 H 3722WX $\$ 19$ Monthly

Net 359.00
Model NCX-A 11TVAC Power/Speaker Console.
40 H 3709wx Shpg. wt., 10 lbs. Net 110.00

## AMECO Preamplifiers and Converters

MOBILE AMATEUR AND VHF CONVERTERS


- For Ham, Citizens Band, Police, Fire, Marine, Aviation, Business Bands, etc. From 2 MC to 175 MC. Works into Broadcast receivers.


## mOOEL CLB LOW-BANO CONVERTER

A crystal controlled converter that can cover any specifled frequency or band from 2 to 54 MC . Unit uses a 6 EK 6 If amp . and a $12 A D 6$ 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., $11 / 2$ los.
40 H 1013 Model CLB for 6 Meters
Net 24.95
40 H 1014 Model CLB for Citizens 8 and
Net 24.95
Model CLB* for any other frequency from 2 to 54 MC . Specify fre. quency.
40 H 1015 CY *
Net 25.95
MOOEL CMT HIGH GANO TRANSISTORIZEO CONVERTER
Model CHT will convert any single frequency or band of frequencles between 108 and 175 MC 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 internal battery. Model CHI can be used for fixed or mobile operation and works into any broadcast band radlo including pocket transistor sets. Size:

40 H 1016 Model CHT for 2 meter Ham Band
Net 35.95
Model CHT for any other frequency from 108 to 175 MC . Specify frequency.
40 H 1017 C
Net 35.95
Moblle converter cable for Ameco Mobile Converter 40 H 1049

Net 90
*On special order and subject to 3 weeks delivery.

## CONTINUOUS TUNING 6-160 METERS <br> PRE-AMP FOR USE WITH A RECEIVER

Model PCL improves receiver reception. Covers 6 through 160 meter amateur bands continuously. Uses 2 6DS4 Nuvistors in a cascode As Low As Nuvistors in a cascode
clrcuit for greater re.
 ceiver gain and extremely low noise figure 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 Controi, and 3 position swith for On, off and standby. Power may be taken from receiver. slize: $5 \mathrm{~W} \times 3 \mathrm{H} \times 3^{\prime \prime} \mathrm{D}$.
40 H 1018 Shpg. WI., 2 lbs. $\qquad$ Net 24.95 MODEL PCL.P-Identical in all respects to Model PCL except that it contains a built-in power supply. Size: $51 / 2 \times 33 / 4 \times 3$ " 0 .
40 H 1036 Shpg. wt., 4 lbs .

NEW DELUXE CONTINUOUS TUNING 6-160 METERS PREAMP FOR USE WITH A TRANSCEIVER

## - 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-noise ratio while receiving. $51 / 2 \times 33 / 4 \times 3{ }^{\prime \prime} 0$. Complete with interconnecting cables. Shpg. wt., 4 lbs. 40 H 1048 \$5 Monthly _._. Net 49.95


## 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 $A C$ at 2A. May be used to power all Ameco converters and other accessorles around the ham shack. Shpg. wt., 6 lbs.40 H 1008 Wired


## 2 AND 6 METER CONVERTER KITS



CB-6
CB- 2

## MODEL CB-6 METER BROADBAND CONVERTER

Now you can convert any receiver to cover the 6 meter band. 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 db . Housed in 2 piece satin finished copper chassis. WILL NOT BECOME OBSOLETE, since the IF output can be easily changed to match any receiver. Size: $4 \times 21 / 2 \times 5^{\circ}$. Comes less power supply. Complete with tubes, crystal for 14.18 MC IF output and instructions. Shpg. wt., 1 lb .
40 H 1027 C8-6K Kit Net 19.95
40 H 1028 CB-6W above, wired Net 27.50
MOOEL CB-6K "SPECIAL"-For I.F. outputs other than 14-18 MC. Please specify I.F ouput.
40 H 1029CY* CB-6K Special Kit Net 19.95
MODEL CB-6W "SPECIAL"-as above but wired. Specify I.F. output.
40 H 1030CY* Net 27.50

## MODEL 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 $6 J 6$ oscillator/ multiplier. Crystal controlled for stable performance. Over 30 db gain. Comes less power supply but with tubes, crystal 14.18 mc output, and instructions. Size: $4 \times 21 / 2 \times 5$. Shpg. wt., 1 lb . $40 \mathrm{H} 1031 \mathrm{CB}-2 \mathrm{~K} \mathrm{Kit}$ Net 23.95 $40 \mathrm{H} 1032 \mathrm{CB}-2 \mathrm{~W}$ Wired and Tested ....................................... 33. MODEL CB-2K "SPECIAL"-For I.F. outputs other than 14-18 MC. 40 M 1033CY* CB-2K Special Kit Net 23.95 MODEL CB-2W "SPECIAL"-as above but wired. Specify I.F. output. 40 H 1034CY*

Net 33.95

- On Special Order and subject to 3 week delivery


## MODEL PV NUVISTOR VHF PREAMPLIFIERS

Designed for elther 50, 144 or 220 Mc. a Mooel PV Nuvistor preamplitier can be used ahead of a recelver or converter to improve the gain and noise ligure considerably. Unit employs a completely neutralized 6CW4 Nuvistor, for a gain of over 20 db and a noise tigure of 2.5 db at 50 Mc .3 .0 db at 144 Mc , and 4.0 db at 220 Mc . Completely wired and tested, requires $100-150$ VOC at 8 ma and 6.3 voits at .13 amps , AC or DC.
 Only $21 / 2 \times 31 / 2 \times 7^{\prime \prime}$. Shpg. wt., 2 los.
40 H 1019 PV-50, for 50 Mc
Net 13.95 40 H 1020 PV-144. for 144 Mc Net 13.95 Net 13.95 40 H 1021 PV-220, for 220 Mc Net 13.95

## CN NUVISTOR VHF CONVERTER KIT OR WIRED FOR 50 MC, 144 MC

 Extremely sensltive converters employing 3 Nuvistors for minimal noise. Average galn is 50 db with noise figures of 2.5 $\mathrm{db}-50 \mathrm{Mc}, 3.0 \mathrm{db} .-144 \mathrm{Mc}$. Spurious relection more than 70 db . Tubes: first RF 6CW4, second hF 6DS4, mixer 6CW4, oscillator 6J6. Gain control provided. Avaliable for 14-18 MC I.F, or any other 1.F. Power requirements: $100 \cdot 150 \mathrm{~V} @$ 30 ma. and 6.3 VAC @ 1a. Satin finished copper chassis. Size $2 \times 21 / 2 \times 61 / 4^{\prime \prime}$. Shpg. wt., 3 lbs.| Stock No. | Type No. | Meters | I.F. | Net Ea. |
| :---: | :---: | :---: | :---: | :---: |
| 40 H 1023 | CN. 50 Kit | 6 | 14.18 MC | 34.95 |
| 40 H 1039CY* | CN-50 Kit Special | 6 | Specify I.F. | 34.95 |
| 40 H 1024 | CN-50 Wired | 6 | 14.18 MC | 49.95 |
| 40 H 1037CY* | CN-50 Wired Special | 6 | Specify I.F. | 49.95 |
| 40 H 1025 | CN-144 Kit | 2 | 14-18 MC | 34.95 |
| 40 H 1040 CY * | CN-144 Kit Special | 2 | Specify 1.F. | 34.95 |
| 40 H 1026 | CN-144 Wired | 2 | 14-18 MC | 49.95 |
| 40 H 1038 CY * | CN-144 Wired Special | 2 | Specify I.F. | 49.95 |

- On special order and subject to 3 weeks delivery


## Amateur Accessories and Crystals

## LAFAYETTE SWR AND FIELD STRENGTH METER



- 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 circult for monitoring transmitter outputs. SWR: $1: 1$ to $3: 1$; Accuracy $\pm 5 \mathrm{db}, 2$ to 30 MC : Imperiance: 52 Ohms; Antenna: 5 -section, collapsible. Comparative RF field strengths can be easily determined with this fine meter. Sensitive 100 micro-ammeter movement with easy to read 2 -color dial. Impedance matches 52 Ohm coaxial lines. Attractive grey ham. mertone afuminum case. Size: $1 \geqslant \mathrm{WWx} 5 \mathrm{~K}_{\mathrm{a}} \mathrm{Hx}$ 21/a"D. Imported. Shpg. wt., 1 lb. 99 H 2537

## HY-GAIN "On The Air" SIGN

## ON THE AIR

Dramatic red on black "On The Air" indlea. tor face mounted in gray high impact plas. lic case. Mounts atop gear on wall brackets. Internally llluminated Bulb and 6 ft . cord included. Attaches to antenna change-over relay or transmitter control relay. Size: $4 \times 8$ in. oval.
40 H 3116 .......Shpg, wt., 1 lb........ Net 8.95
B\&W MINIDUCTORS


Highly officioni 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 $2^{\prime \prime}$ long except miniductors with $1^{\prime \prime}$ diameter are $3^{\text {m }}$ long. Shpg. wt., 6 oz.

$$
4 \text { TURNS PER IN. }
$$

| DIAM. | STOCK \# | TYPE | NET |
| :---: | :---: | :---: | :---: |
| 1/2" | 40 H 1610 | 3001 | . 68 |
| $5 / 8^{\prime \prime}$ | 40 H 1614 | 3005 | . 80 |
| 3/4"' | 40 H 1618 | 3009 | . 86 |
| $1^{\prime \prime}$ | 40 H 1622 | 3013 | . 95 |
|  | 16 TURNS PER | IN. |  |
| 1/2" | 40 H 1612 | 3003 | 1.01 |
| 5/8' | 40 H 1616 | 3007 | 1.10 |
| 3/4" | 40 H 1620 | 3011 | 1.16 |
| $1 "$ | 40 H 1624 | 3015 | 1.25 |
| DIAM. | 8 TURNS PER | IN. |  |
| Diam. | STOCK | TYPE | NET |
| 1/2" | 40 H 1611 | 3002 | . 86 |
| 5/8" | 40 H 1615 | 3006 | . 95 |
| 3/4" | 40 H 1619 | 3010 | 1.02 |
| $1^{\prime \prime}$ | 40 H 1623 | 3014 | 1.10 |
|  | 32 TURNS PER | IN. |  |
| 1/2" | 40 H 1613 | 3004 | 1.26 |
| 5/8" | 40 H 1617 | 3008 | 1.32 |
| 3/4" | 40 id 1621 | 3012 | 1.35 |
| $1^{\prime \prime}$ | 40 H 1625 | 3016 | 1.55 |

## LAFAYETTE "SOLID STATE" BEAT BANDER EXTERNAL BFO

Designed for any receiver that does not have its own BFO. Enables simultaneous use of BFO and receiver's "Q" multiplier. Connects easily to antenna circuit. Frequency range: 3.5 to 4 MC on fundamentals. Harmonics: 7.8 MC . $14.16 \mathrm{MC}, 21-24 \mathrm{MC}$, and
 28.32 MC. Stable, rellable Iransistor circuitry. With coax cable and 9 .volt battery. $41 / 2 \times 31 / 2 \times 3^{\prime \prime}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$. 99 H 2502 Net 6.95

## AMECO "SWB" STANDING WAVE BRIDGE <br> 

Inductive bridge that is continually left in the IIne. Reads SWR's from 1.8 Mc. to 225 Mc. Handles 1000 W . Has negligible insertion loss. Contains two SO.239 UHF connectors. Size $21 / / \times 15 / 641 / 2{ }^{\prime \prime}$. 40 H 1041 Shpg. wt., 2 lbs

Net 9.95

## AMECO "BIU" BRIDGE INDICATOR UNIT



A sensitive $100 \mathrm{microamp} 21 / 8^{\prime \prime}$ square $D^{\prime}$ Ar. sonval Meter that reads in SWR, percentage power and percentage voltage (three scales). Switching provides for reading of any one of two bridges. Slize: $2 \mathcal{H}_{4} \times 5 W \times 3^{\prime \prime} D$. Shpg. wt., 2 lbs.
40 H 1042
Net 15.95

CRYSTAL SOCKETS

(A)

(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 round hole in panel. Av. shpg. wt., 2 oz.

| lock No. | Type | Pin | Spacing | Each |
| :---: | :---: | :---: | :---: | :---: |
| 40 H 3712 | CS-8 | .125" | 750" | . 36 |
| 40 H 3713 | CS-6 | .095" | 486" | . 36 |
| 40 H 3714 | CS. 5 | .125" | .500* | . 36 |
|  | CS 7 | 050' | 486' | 36 |

(B) MOSLEY CRYSTAL HOLDER AOAPTORS
Mosley 5-75 adapts $1 / 2^{\prime \prime}$ spaced holder to $7 / 4^{\text {m }}$ spacing. Shpg. wt., 2 ozs. 40 H 5804

Net .45
Mosley 75.5 adapts $3 / 4^{\circ "}$ spaced holder to socket with $1 / 2^{* \prime}$ spacing to octal socket. Shpg. wt.، 2 ozs. 40 H 5805

Net .45

## AMATEUR AND SPECIAL PURPOSE CRYSTALS


MC. 9

AX-2
JAMES KNIGHTS CRYSTALS Special Application Crystals

For Oscillators with low crystal currents. Type H-173, HC.6/U. Pin. Dia. .050". Pin Spacing $.486^{\prime \prime}$ - Specify Frequency. (Allow 30 days for delivery).
$21-40 \mathrm{MC}$ Supplied within $\pm .005 \%$ 40 H 2201 cY

Net 4.95 40.54 MC Supplied within $\pm .005 \%$ $40 \mathrm{H} \mathrm{2202CY}$...................... Net 5.95 54.74 MC Supplied within $\pm .005 \%$ 40 H 2205CY

Net 6.95
IV and Marker Crystals. Calibrated $\pm .005 \%$. Type H. 173 (HC-6U) Pin Dia. . $050^{\circ \prime}$ Spacing $486^{\circ \prime}$ for 1000 KC
40 H 22031
Net 7.95
Type H 17 (HC-6/U) PIn. Dia. $050^{\prime \prime}$ Spacing $486^{\circ}$ for 4.5 MC 40 H 22041

Net 4.95

# Improve Your Amateur Station Performance 



## DOW KEY RELAYS, ANTENNA SWITCHES

DK2-60 SERIES DPDT COAXIAL SWITCH
DPDT coaxial switch for switching two coaxial lines simultaneously. Frequency range, 0 to 500 Mc . Power rating to 1 kW Impedance, 50 ohms. VSWR, less than 1.15:1 from 0 to 500 Mc . Isolation greater than 30 db at 500 Mc . Loss less than 0.03 db at 30 Mc . Life, over $1,000,000$ operations. Size. $23 / 4 \times \times 33 / 4 \times \times 13 / 4 "$. Wt, 1202 .

| Stock No. | Type | Coll Volts | Net Ea. |
| :--- | :---: | :---: | ---: |
| 40 H 5205 | DK-2-60 | 110 V AC | 30.00 |
| 40 H 5206 | DK-2-60 | 12 V DC | 29.00 |


(A) B8W 550A Coaxial Antenna Switch-Instantly selects any one of five transmitters, antennas, exciters, recelvers or transceivers using 52 or 75 ohm Iine, 2P-5 Pos, Rated 1 KW.
40 H 1602 -Shpg. wt., 2 lbs.
Net 10.35
40 H 1603 -Knob for 550 A Wt. 2 oz.
40 H 1604 -Dial plate for 550 A wt., 2 oz Net 1.35 Net 1.35 40 H 1605 - B8W 550A-2 SP-2Pos coax switch wt., 2 02.. Net 7.90 (B) B\&W 425 Low Pass Filter-usable with transmitters to 1-KW. Completely self contained-eliminates TVI. 85 db attenuation. For 52 hm coax. Shpg. wt., 6 lbs.

## 40 H 1608

Net 22.75
40 H 1609 -as above but for 75 ohm coax.
Net 22.75
(C) Drake TV-1000LP Low Pass Filter-handles 1 KW 10 to 160 meters. 200 watts on 6 meters. Shpg. 'wt., 2 Ibs.
40 H 6514
Net 16.95
40 H 6513 -Drake TViooLP. handles $100 \mathrm{~W} .80-10 \mathrm{M}, 20 \mathrm{w} .6 \mathrm{M}$ Net 5.95
(D) Ameco HP-45. High Pass Fitter-For attenuation of 40 db at 14 MC and 20 db at 28 MC .300 ohms. Shpg. wt., 3 oz.
40 H 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 unbalanced lines 25 to 3000 . Reads SWR. TR relay 750 w PEP with direc. tional coupler. Shpg. wt., 11 lbs.
40 H 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. Shpg. wt., 5 tbs.
40 H 4618
Net 29.95
(G) W2AU BROAD BAND BALUNS - A transmitting and receiving balun with built in lightning arrester. Properly balances all coax fed antenna systems. Handles IKW AM/CW, 2KW PEP. Completely weatherproof. withstands 650 lbs. of antenna tension.
BALUN 1-1:1 model matches 50 or 75 ohm unbalanced to 50 or 75 ohm balanced load. Shpg. wt., 61/2 02.
40 H 4702
Net 12.95
BALUN II- $4: 1$ model matches 50 or 75 ohm unbalanced coax line to 200 or 300 ohm balanced load. Shpg. wt., $61 / 202$.
40 H 4703
Net 12.95
(H)B L W RF FILAMENT CHOXE FOR GROUNDED GRID AMPLIFIER.COVEIS broadband ( 3.5 to 30 MC ) without tuning. For one or more tubes requiring a total of not more than 30 amperes filament current. Size: $2 \times 21 / 2 \times 5^{\prime \prime}$.
40 H 1628 Shpg. wt., $11 / 2 \mathrm{lbs}$.
Net 23.95

## B \& W 6 METER FILTERS

MODEL 423 designed to reduce TVI.
Spurlous harmonics above 62 MC
attenuated at least 50 db . Uses.
2 S0-239 connectors. Freq. range: $30-54 \mathrm{MC}$, Power rating: 100 watts max.: Impedance 52 ohms (reversible). Size: $5 \times 2 \times 13 / 4^{*}$. Shpg. wt., 1.5 lbs

40 H 1627 B\&W 423
Net 16.50
Biw 427. 6 meter low pass filter designed for freq. range of $30-54$ mc . Power rating: 1 KW max. $2 \mathrm{SO}-239$ connectors. 52 ohm Impedance. $11 \times 3 \times 2^{\circ}$. Shpg, wt., $21 / 2$ lbs.
40 H 1607 B\&W $427 \$ 5.00$ Monthly
Net 31.25

## DELUXE B \& W 381B TR SWITCH

A fully bandswitching 3.5 to 30 MC transmit/ recelve switch which provides virtually instantaneous switch over. Ideat for break-in operation on CW, SSB, and AM phone. No switch contacts to arc or burn. Installation usually provides substantial receiver gain 239 coax connectors on rear panel. I KW continuous- 2 KW PEP power rating. Size: $43 / 4 \times 4 \times 51 / 2 "$. Shpg. Wt., $11 / 2$ lbs.
40 H $1629 \$ 5$ monthly
Net 68.50


BLITZ BUG LIGHTNING PROTECTOR
Designed to fit any standard coaxial cable. Eliminates static build up on transmission line. Reduces chances of direct lightning strike.
42 H 2001 Shpg. wt., 1 lb. Net 3.95


## E. F. JOHNSON PHONE PATCH

A compact automatic hybrid-transformer type patch which accepts PTT, manual, or vox keying. Separate recelver and transmitter input gain controls provide flexible operation without over drive. Effectlvely shielded and RF by-passed to virtually ellminate RF feedback into the phone line. Switches audio from speaker to telephone headset for undistorted, hum-free response. Adjustable "line null" control. Size: $2 W \times 6 H \times 21 / 2 " D$. Shigg. wt., 3 lbs.
40 स 4623 Model 250-46 Patch .... Net 25.00


# Improved Performance For the CB'er and Amateur 



## 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, " $S$ " units $0-9$, also +10 and +30 . Linear full scale markings of 0 to 5 . Dimensions: dial face, $155^{\circ \prime \prime}$; depth $11 / 4^{\prime \prime}$ overall. Supplied with 4 mounting screws and lugs. For 6 or 12 volts. Dust resistant case. Imported. Shpg. wt., 802 99 H 2507

Net 2.95
RADIO FIELD INDICATOR


- Continuously Indicates Transmitter Output
- Requires No Electricity, Batteries, or Transmitter Connection
- Powerful Magnet on Bottom Plate for Mounting on Dashboard or Other Metal Surfaces


Checks performance of your marine, mobile or fixed transmitter. Features a 200 aa meter movement with variable sensitivity control. Earphones can be plugged in for an aural check of output. Antenna extends from $31 / 4^{\prime \prime}$ to $103 / 4^{\prime \prime}$. Powerful magnet allows easy mounting. Use anywhere..requires no electricity or batteries. Dimensions: (less antenna) $31 / \mathrm{aW} \times 2 \mathrm{~L} / \mathrm{Hx} 2^{\prime \prime} \mathrm{D}$. Imported.
99 H 2509 Shpg. wt., 7 oz.
.
Net 6.75
99 H 2515 High output crystal earplece for above
1.09

## DELUXE WAVE-METER



$$
795
$$

- 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 irequency 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 $31 / 2 \mathrm{~W} \times 2 \mathrm{~K} / \mathrm{H} \times 11 / 2^{\prime \prime} \mathrm{D}$. Antenna is $103 / 4^{\prime \prime}$ extended. $34 e^{\prime \prime}$ telescoped, is fitted with a screw plug and is removable. Imported. Shpg. wt., 802.
99 H 2511
Net 7.95
MINIATURE ILLUMINATED "S" METER
 $2^{95}$

- Jeweled Bearings
- Accuracy $2 \%$ of Full Scale
- High Quality D'Arsonval Movement
- Clear Plastic Front

Durable wrap-around plastic front panel provides wide-angle readability. Zero adjustment screw on front panel; jewelled bearing movement, Calibrated 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. 15 b $^{\prime \prime}$ dial face; $11 / 4^{\prime \prime}$ overall behind panel. Supplied with mounting screws. Imported. Shpg. wt., 8 oz.
99 H 2513
Net 2.95


## SWR BRIDGE AND RF POWER Metir $19^{95}$

- 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 transmisston line for SWR and relative power monitoring. For 52 or 75 ohm lines. Insertion loss is negligible. Meter has 50 ua movement: calibrated directly 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. $31 / a x$ $74 / 4 \times 23 / 8^{\prime \prime}$. Sits on 4 rubber feet. Imported. Shpg. wt., 2 lbs.
99 H 2508 ...................................................................................... 19.95



## 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
- $200 \mu$ a Meter Movement
$13^{95} \cdot 20^{\circ}$ Telescoping Antenna
Covers 2.530 Mc to 57.000 Mc in 3 bands. Ideal for use with ham, Clitizens 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 calibrated 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
 Imported. Shpg. wt., 2 lbs.
99 H 2510
Net 13.95
99 H 2515 High output crystal earpiece for above
99 H 6258 Replacement battery for above
Net 1.09
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 recelver employing AVC. Meter is calibrated in "s" units from 1 to 9 , and in do up to 30db over 59 . Partial peak clipping is provided for noise limiting. simple installation- $6+$, filament and ground. It is adaptable to either 6 or 12 -volt equipment, and to receivers using 150 ma or 300 ma series string fllament systems. Requires $150-200$ vDC for B+. Complete with 12AU7 and installation instructions. Imported. 99 H 2512 Shpg. wt., 2 lbs.

Net 8.95
FULL-SIZE ILLUMINATED "S" METER

$3^{35}$

- 2 Jewel Movement
- Clear Plastic front
- Calibrated to $\mathrm{S} 9+40 \mathrm{db}$

A quality " S " meter (basic $1 \mathrm{ma}, 2$ jewel movement) designed to replace many " S " meters used in communications receivers. Clear plastic front measures $23 h^{\prime \prime}$ square and meter fits standard $21 / \mathrm{g}^{\prime \prime}$ 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 tb.
99 H 2514.
Net 3.95
MOBILE AND FIXED
SQUALO'S

- Includes 9 ft . telescoping mast


## NEW-TRONICS MOBILE ANTENNAS FOR 10-15-20-40-75 METERS

An outstanding antenna assembly permitting multi-band 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 fength of 52 -ohm cable. Each of the five 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 instantaneous 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 250 watts PEP. Mast has $\mathbf{3 / 2 " - 2 4}$ base stud to fit all standard mounts.

| Stock No. | Model No. | Description | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 H 5501 WX | M0.1 | 54" Mast Fender Mount | 2 lbs. | 7.98 |
| 40 H 5502WX | M0-2 | 54"Mast Bumper Mount | 2 lbs . | 7.98 |
| 40 H 5503 | RM-10 | 10 Meter Resonator | 10 oz . | 6.98 |
| 40 M 5504 | RM-15 | 15 Meter Resonator | 1 lb . | 7.98 |
| 40 H 5505 | RM. 20 | 20 Meter Resonator | 110 | 8.98 |
| 40 H 5506 | RM-40 | 40 Meter Resonator | $11 / 2 \mathrm{lbs}$. | 10.98 |
| 40 H 5507 | RM-75 | 75 Meter Resonator | 2 lbs. | 12,98 |

## CUSHCRAFT "TRIK STIK" ANTENNA



For Amateur, SWL, TV, FM, Business Radio, CB, VHF (low and high band), Aircraft Reception.
Universal antenna designed for vertical or horizontal mounting. All aluminum construction. Supplled with U-bolt, bracket, and hardware for mounting on a mast or tower. Can also be mounted to a building using nalls or screws. 2-54" element sections, 2-51" element inserts, $23^{\prime \prime}$ support boom. Complete instructions for frequency settings. 40 H 1918w Shpg. wt., 6 lbs.

Net 6.45
NEW CUSHCRAFT "HAM STICK" 6-10-11-15-20 METER ADJUSTABLE DIPOLE with a $24^{\circ \prime}$ stub mast for mounting in almost any location. Instructions supplied for measuring and adjusting Ham Stick to the currect dimenslons for $6,10,11,15$, or 20 meter operation. Assembly is easily comoleted in minutes for permanent or temporary installations. SWR less than 1.5 to 1 with 52 or 72 ohm coax cable. May be used with power ratings of up to 2 KW PEP. Maximum length 36 ft . Shpg. wt., 9 lbs.
40 H 1922 W

# LAFAYETTE ALL-BAND VERTICAL 

 TUNEABLE 10 TO 80 METERS ANTENNA - 10 To 80 Meters- For Fixed Operation
- Omni-Directional, Vertically

1495 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 DX or local contacts. Ground, or roof top or tower installation. Can survive winds in excess of 50 mph . Overall helght $18^{\prime}$; knocks down to only $5^{\prime}$. Uses $31 / 2^{\prime \prime}$ diameter air wound coil as matching inductor. All steel parts irridite treated to MII Specs. Impedance 52 ohms. Maximum power 1000 watts AM or CW- 2 KW PEP. Omni-directional; vertically polarized. 40 H 0104 WX Shpg. wt., 5 lbs........ Net 14.95


## NEW! LAFAYETTE 2 METER MOBILE ANTENNA with "RAPID-GRIP" MOUNT

## - Mounts On Car Trunk In Seconds Without Drilling Holes

Quality 2 meter mobile antenna that mounts in seconds. Features rust-resistant cadmium plated "RapidGrlp" 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.

Net 9.95

## H 0110 Shpg. wt., 1 1/2 lbs. <br> NEW! LAFAYETTE 6 METER MOBILE ANTENNA with "RAPID-GRIP" MOUNT

$\qquad$


- No Holes To Drill In Car!

The Lafayette "Rapid Mount" 6 meter mobile antenna features an attractive base loading phasing transformer, $43^{\prime \prime}$ stainless steel whip with adapter for extra fine tuning, and a cadmium plated trunk-lip "Rapld-Grip" mount with water resistant body seal. Offers ideal omnidirectional signal pattern. Mounts on lip of trunk without drilling holes. Wt., 2 lbs. less coaxial cable
40 H 0109

## Net 11.95



Pri-par 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 MC but resonant frequency may be varied between 50.5 and 53.0 MC. Easily fed with RG58/U coax through a simple " $Q$ " section. Includes 2 -piece adjustable aluminum mast, mast bracket, universał bumper hitch. Less coax feed line. 40 H 5001 w Shpg. wt., 10 lbs . $\qquad$ Net 16.95
MT-1 Matching Transformer for Saturn 6.
40 H 5002 Shpg, wt., 1 lb. Net 4.95
hy qain MULTI-BAND 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 | Length | Shpg. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 40 H 3106 WX | 28Da | 40 \& 80 Meters | $110{ }^{\circ}{ }^{\prime \prime}$ | 2 lbs. | 29.50 |
| 40 H 3109 WX | 5BDQ | $10,15,20,40$ | 111'6" | 5 lbs . | 44.50 |

Model $2 T D Q$ Doublet Kit for 40 and 80 meters. Perfectly matched set of new "Hy.Q" traps for constructing 40 and 80 meter trap doublet. 40 M 3110 Wx Shpg. wt., $11 / 2 \mathrm{lbs}$.

Net 19.95

## Model 2BDP Trapless Fan Doublet

Provides efficient 15,40 and 80 meter operation. SWR less than $2: 1$ at Resonant Freq. Mounts horizontally or as inverted V. 131'2" overall. (Not Illustrated.) Shpg. wt., 2 lbs. 40 H 3111

# Amateur Base Station Antennas, Towers And Rotors 

NEW MOSLEY MODEL T3X TRAP DIPOLE FOR 80/75, 40 AND 20 METERS

- Pretuned/Automatic Bandswitching
- 58 Feet Maximum Length
- Rated 1 KW AM/CW-2 KW PEP SSB

An efficient, compact three band trap type grounded $1 / 4$ wave antenna for use in limited space areas. Only 58 feet on 80 meters, maximum length of antenna, Broad-band. Pretuned for $20,40,75$, and 80 meters to maintain low SWR over entire operating range. Simple grounding is required. Radials required for roof-mounting of antenna (except metal roofs). In kit form. Complete with 65 ft . of 450 ohm open wire, two condensers, and 3 antenna insulators. Installs in minutes. For use with 52 ohm coaxial cable. Shpg. wt., 4 lbs. 40 H 5806W

Nei 23.06

## MOSLEY TA-33 <br> 3 ELEMENT BEAM FOR 10, 15, 20 METERS <br> 

Three 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 handies a full kilowatt of AM signal. 25 db front-to-back ratio, SWR 1.1/1, or less, at resonance. Beam length ${ }^{-}$ 14 ft . element length 28 ft . Shpg. wt., 53 lbs. $40 \mathrm{H} 5802 \mathrm{WX} \$ 6$ monthly

Net 120.99
MOSLEY TA- 33 "Junior," similar to above, but only 300 watts AM. Turning radius $143 / 4 \mathrm{ft}$. Shipg. wt., 28 lbs . 40 H 5803WX $\$ 5$ monthly

Net 84.30

## 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

Model : 637G-Guyed 37 crank-up tower complete with hinged base plate, $1 / 2^{\prime \prime}$ anchor bolt, guy lugs, safety stops, winch and raising and lowering cable. Tower consists of $2-20^{\prime}$ sections with an overlap of $3^{\circ}$ between each section. Top section width is $81 / 2^{\prime \prime}$, lower section is $101 / 2^{\prime \prime}$. Properly guyed, tower will handie a 3 -element amateur Tri-Band antenna. Shpg. wt., 172 lbs
40 H 6103WXY $\$ 7$ Monthly
Net 145,00
Model \#654G-Similar to 637G, but 54․ Shpg. wt., 250 Ibs. 40 H 6104XY $\$ 9$ Monthly

Net 200.00
Model ${ }^{2}$ K637 Ground Guy Kit for 637G. Shpg. wt., 40 Ibs. 40 H $6105 \mathrm{WXY} \$ 5$ Monthly. Net 53.00 Model KK654 Ground Guy Kit for 654G. Shipg. wt., 50 Ibs. 40 H 6106WXY \$5 Monthly Net 70.00

THE ROHN CRANK-UP TDWERS ANO GROUND GUY KIT WILL BE SHIPPED FREIGHT PREPAIO IN THE CONTINENTAL LIMITS OF U.S.A. NO C.D.D. ORDERS
Lafayette can supply all Rohn heavy duty Ham. industrial crank-up and fold-over towers.
CORNELL-DUBILIER ANTENNA ROTATORS

- Heavy Duty Construction
- Indicator Calibrated in Compass Points


MODEL TR-44 ANTENNA ROTOR - for single bay amateur antenna application. Ble in performance and durability. Rotator contains 48 heavy duty bearlings in two $61 / 2^{\prime \prime}$ ball races. 450 in-Ibs average torque. Indicator is caltbrated in compass points and $3^{\circ}$ increments. Doubie stage switch allows meter reading while motor is off. For mast or pipe to 21 "" 0.0 . For $110-120 \mathrm{~V}$. $50-60$ cycle. Less cable. Shpg. wt.. 18 lbs.
40 H $8302 \mathrm{WX} \$ 5$ 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 and pinions, solenoid brake release. For $110-120 \mathrm{VAC}, 50-60 \mathrm{cyc}$. 40 H 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 H 1457
Net 7.75

## NEW HY-GAIN MODEL 18 AVQ 80 THROUGH 10 METER VERTICAL TRAPPED ANTENNA

\author{

- Individually Tuned Hy-Q Trap For Each Band <br> - Easily Installed Using Minimum Space
}

Ruggedly constructed of heavy gauge, taperswaged aluminum, the 18 AVa can be easily Installed for all-band operation. Delivers outstanding omni-directional performance on each band. Uses 4 separately tuned "Hy-Q" alr dielectric traps. Traps are factory pretuned to provide peaked performance. Low angle of radiation assures uncompromised results for short haul or DX communications. Mounts with mast up to $156{ }^{*}$ diameter. Overall height 32 ft .2 in . For use with 52 ohm coax cable. Shpg, wt., $15 \frac{1}{2}$ lbs. 40 H 3119WX

Net 49.95


## hygain 14 AVO TRAP VERTICAL $10-40$ METER ANTENNA

Self-supporting multi-band trap vertical for 10 thru 40 meters. Solid State Traps. Roof or ground mounted. Low angle DX radiation pattern. SWR less than 211. Only $21^{\prime}$ high. Shpg. wt., 10 lbs.

40 H 3104 WX ... $\$ 5$ Monthly
Net 32.50
ROOF MOUNTING KIT for 14 AVQ Includes $5^{\circ}$ mast, roof mount. ground plane radial wires, Insulators and all necessary hardware. Shpg. wt. 9 los. 40 H 3105 Wx

Net 14.95

## CUSHCRAFT BEAM ANTENNAS FOR 2, 6 AND 10 METERS

A rugged, full size 6 meter beam constructed of $3 / 4^{\prime \prime} 0.049$ wall aluminum tubling. Boom is 0.058 wall drawn aluminum. Driven element is "Reddi" matched for direct coax feed. Light enough for any heavy duty iv rotator. Turning radius-7'6"; Forward Gain-9.5 db; F/8 ratio- 29 db . Comes with all parts marked for quick, neat assembly and center band operation. Shpg. wt., 15 lbs.
40 H 1912WX

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Net 21.50
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## MODEL A-1447 7 ELEMENT 2.METER BEAM

Full size 2 meter deam. Aluminum tubing. Beam length, $98^{\prime \prime}$. Forward gain 11 db F/B ratio, 26 db . Shpg. wt., 6 lbs.
40 H 1913wx
Net 11.95
MODEL A-144-11 2-METER 11 ELEMENT BEAM
As above but with 11 elements, boom length $144^{\prime \prime}$ Forward Gain 13 DB. F/B ratio 28 DB. Shpg. wit, 9 lbs.
40 H 1914WX
Net 14.95

## MODEL A28-3 3-ELEMENT 10 METER BEAM

Rugged full size 10 meter beam. Boom is $1 / 2^{\prime \prime} \times 10^{\circ}$. Longest Element 17 '6". Turning Radius $10^{\prime}$. Forward gain 8 db . Front to Back 22 db. Shpr. wt. 12 lbs .
40 H $1919 \mathrm{FX} \$ 5$ Monthly
Net 31.95 MODEL A28-4 4-ELEMENT 10 METER BEAM. As above but wlth 4 ele-ments-boom is 15 / $^{\prime \prime} \times 18^{\circ}$. Forward gain 100 db . F/B ratio 25 db . Shpg. wt. 22 lbs.
40 H 1920 Wx \$5 Monthly
Net 42.95

## FINCO A-62 2 \& 6 METER BEAM

Model A-62 is an advanced antenna for operation on both 6 and 2 meters for balanced 300 ohm impedance. Provides up to 20.5 do front to back gain on 2 meters and up to 17 db aain on 6 me . ters. Heavy-duty aluminum construction with 10 ft . boom. All elements are sleeve reinforced and completely pre-assembled with "snap-out" brackets. Consists of a folded dipole, reflector and 2 directors on 6 meters: folded dipole, with phasling stub, 3 element colinear reflector and 4 3-element colinear directors on 2 meters. Turning radius $6 \mathrm{ft} .11^{\prime \prime}$. Uses one transmission line for both 6 and 2 meter band. Shpg, wt. 11 lbs .
40 H 6301wx $\$ 5$ Monthly $\qquad$ Net 33.00
Model AS-62. Stacking Kit. For A-62 antenna, Shop. wt., $1 / 2 \mathrm{lb}$. 40 H 6302

Net 2.19

# LAFAYETTE Amateur Keys and Code Courses 


(A) LAFAYETTE SEMI-AUTOMATIC "BUG"

A quality "Bug" designed for clear, easy sending and wide range of speed. 7 adjustments for speed and comfort. Precislon-tooled, anti-rust nickel-plated brass and stainless steei operating parts. Speed adjustable 10 wpm to as high as desired. $1 / 8^{\circ}$ silver contacts; weight scale for reproducible speed settings. $67 / 8 \mathrm{~L} \times 3 \mathrm{~W} \times$ $21 / 4^{\text {m }} \mathrm{H}_{\mathrm{f}}$ exclusive of knobs and feet. Imported. Shpg. wt., $31 / 2 \mathrm{lbs}$. 99 H 2552 Net 9.95

## (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 knurled tightening screws. For individual, group or remote ilstening. Uses Lafayette $12 / 2$ Volt battery. Base $63 / 4 \mathrm{~L} \times 23 / 4 \mathrm{~W} \times 13 / 4{ }^{N} \mathrm{D}$, overall length $81 / 2^{\prime \prime}$. Imported.
99 H 2553 Shpg. wt., 2 lbs. (less battery) Net 1.79 99 H 6256 "D" Cell battery for above $\qquad$ Net 1.79 99 H 2550 Stethoscope Headset $\qquad$ Net .15
Net 1.39

## (C) LAFAYETTE "BRASS-POUNDER'S" KEY

A precision-made key designed for hard usage. Spring tension and contact clearance adjustments; $3 / 16^{\text {" }}$ silver contacts; adjustable ball-bearing pivots; Circuit closing switch. Base $3 \times 2$ "; overall slize $5 \times 23 / 6 \times 1 \mathrm{Kom}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 H 2555
Net 1.95
(D) LAFAYETTE BEGINNER'S KEY

Economical key for beginning amateurs. Solid, heavily chrome and nickel plated metal parts, molded phenolic base. Adjustable spring tension, adjustable metai parts and adjustable contact clearance. 2 mounting holes in base. Base $31 / 1 \mathrm{~L} \times 11 / 1{ }^{\prime \prime}$ W. Overall length $5 " ;$ height $13 \mathrm{~m}^{\prime \prime}$. Imported. Shpg. wt., 1202. Net 69

## (E) HIGH FREQUENCY CODE PRACTICE BUZZER

Adjustable frequency buzzer ideal for individual or group code practice. Perfect code item for the ham shack. Black molded phenolic housing. Works with $11 / 2$ volt battery. Screw adjustment for changing tone. $17 / \mathbf{n}^{\prime \prime}$ diam. $\times 11 / 6^{" ~ h i g h . ~ I m p o r t e d, ~ S h p g . ~ w t ., ~} 602$.

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., 802. 19 H 1513 Net 98

## AMECO CODE PRACTICE OSCILLATOR KIT

- Variable Tone Control - In Kit or Wired Form


Code Practice Oscillator KIt, for 110 volts AC or DC, with built-in 4 inch speaker, produces a pure, steady tone. It can take a large number of headphones or keys. The oscillator is easily converted to an excellent c.w. monitor. With tubes. Shpg, wt., 3 lbs. 40 H 1006 MODEL CPS-KT. Kit Net 13.75 MOOEL CPS-WT. Factory wired

## 40 H 1007 <br> SUPEREX AMATEUR PHONES

Comfortable poly-foam ear cushions. Duel impedance, 600 and 4.16 ohms, can be changed at plug. High sensitivity and crisp, clear reproduction for that hard to reach station. Shpg. wt., 2 lbs. 40 H 8501

Net 14.95 Net 24.45


A Terrific ald for the beginning Morse Code learner or experienced hams who wish to improve their code speed. Completely self-contained. It can be carried wherever you go. Efficient built-in speaker provides loud, clear signal. Excellent for group practice sessions. Variabie pitch control gives pleasing tone by changing frequency. For private use, without disturbing others, you have a choice of earphone tone operation, flashing light or both together. Uses low drain battery-operated transistor oscillator. Speclifications: Tone frequency range: Approx. 500 to 2000 CDS, variable Controls: Pitch, Tone, Llight and Light/Tone. Terminals: Key, Earphone. Batterles: Includes 2 " C " cells. Case: HI -Impact bakelite. Size: $61 / 4 \mathrm{H} \times 33 / 4 \mathrm{~W} \times 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $11 / 4 \mathrm{lbs}$. Imported.
99 H $2560 \ldots$ Net 7.95 99 H 6257 Extra "C" cells for above, 2 required ... Net ea. . 14 Lightwelght Crystal Headset for above. Imported.
99 H 2550 Shpg. wt., 502.
Net 1.39

## 12 LESSON CODE COURSE

ghitu coos covass
 - 12 Lessons On A $12^{\prime \prime}$ LP Record
 $3^{50}$ Learn Morse Code the modern practical way. Supplled with 12 lessons on a non-breakable high quality $331 / 3 \mathrm{rom}$ 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., $11 / 2 \mathrm{lbs}$.

Net 3.50


## AMECO RECORD CODE COURSES

Fast, accurate method for learning code. JUNIOR COURSE one $331 / 3$ RPM LP; from start to $71 / 2$ WPM. ADVANCE0: one $331 / 3$ LP; $81 / 2$ to 18 WPM. SENIOR: two $331 / 3$ RPM LP's; from start to 18 WPM. Courses include 28 -page manual with FCC Type exams.

| Stock No. | Course | Speed | Shpg. Wt. | Net |
| :--- | :--- | :--- | :---: | :---: |
| 40 H 1305 | Junior | $331 / 3 R P M$ | 1 lb. | 3.95 |
| 40 H 1307 | Senior | 3313 RPM | 2 lb | 7.50 |
| 40 H 1309 | Advanced | $331 / 3 \mathrm{RPM}$ | 1 lb. | 3.95 |

RIDER "SIGHT 'N' SOUND" NOVICE CODE COURSE


- Learn Code With Easy Sight and Sound Method
0079 NOVICE COURSE- 0 to 8 WPM includes 3 LP records, 47 Identification cards, and 38 page instruction book. Shpg. wt., 2 lbs.
40 H 5301
Net 9.50



## TAPEDCODE

Prerecorded magnetic tapes containing a complete course in the international Morse Code. The tapes are 7", 1200 ft. pre-recorded at $37 / 4$ ips and can be played on any standard tape recorder. Playing time 2 hours per tape. Shpg. wt., $11 / 2 \mathrm{los}$.
NOVICE Basic instructions \& code 4-8 WPM. 40 H 4901
ADVANCED Code at $9-18$ WPM.
40 H 4902

# AMATEUR KEYS, KEYERS AND CLOCKS 

## VIBROPLEX SEMI-AUTOMATIC KEYS



New Super Deluxe "Presentation." Patented jewel movement and Super-speed control. Polished chromium precisioned machined parts mounted on a 24 K gold-plated base top with colorful red switch knob, finger and thumb plece. Jeweled movement reduces friction, maintains smoother. easier operation. Shpg. wt., 5 lbs. 40 H 8808

Net 39.95
"Champion". Low priced Vibroplex with same high standards of high quallty for clear, speedy and easy sending. Ideal for amateur or professional radio operators. Chromlum finished top parts with grey crystal base. Single lever with 2 pairs of contact points. Shipg. wt. 4 lbs.
40 / 8801
Net 19.95
"Original". Acclaimed by veteran operators for Its extremely sniooth, clear, rapid, effortless and accurate operation. A rugged, well bulit, 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.
40 H 8802
Net 24.95
Defuxe "Original". As above but jeweled bearings, chrome-plated base, Shpg. wt., 5 lbs.
40 H 8803
Net 29.95
CORD AND WEDGE for above. Specify model of key. Shpg. wt., 8 oz.
40 H 8805
Vibro-Keyer. An efficient keying mechanism for an electronic transmitting unit. Same large size contacts and frame as Deluxe Vibroplex. Easy operating trunion lever. Size: $31 / 2^{\prime \prime} \times 4^{1 / 2^{\prime \prime}}$. Shpg. wt., 3 lbs . 40 H 8806

Net 18.95

## 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-
brated in hours- 1 to 24. minutes
and seconds- 1 to 60 . Black dial with white graduations. Chrome plated case. U.L. approved. $110-120 \mathrm{~V} .60 \mathrm{cyc}$. AC. Shpg wt, $11 / 2 \mathrm{lbs}$ 13 H 2602 Net 8.95
NEW 24 hour tymeter clock

## ㅇ.1 $15^{\circ 0}$

Numeral type, 24 hour station clock. Self starting electric. Dome shaped full vision window. UL listed motor and cord. For $110 \mathrm{~V}-60$ cycles AC. $4 \times 4 \times 7 \frac{14}{4 \prime \prime}$. Shpg. wt., 4 lbs . 40 H 9102


NEW EICO MODEL 717 Electronic KEyEr Kit


- 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, proportioned from 3 to 75 WPM in 4 overlapping switchselected ranges. Easily attaches to any CW transmitter. Features blg $3 \times 5^{\prime \prime}$ speaker, separate volume and tone controls, and vernier control on all speed ranges. Dot/space ratio-1:1. Dash/dot ratio $3: 1.51 / 2 \times 8 \times 81 / 4^{\prime \prime}$. Shpg. wt., 9 lbs. 40 H 7419 Kit $\$ 5$ Monthly

Net 49.95 40 H 7420 Factory Wired $\$ 5$ Monthly

Net 69.95

## HALLICRAFTERS HA. 1 "T.O. KEYER"

## 79:

## No Money Down

Advance design efectronic keyer fea turing "Tone Oscillator" for aural monitoring of outgoing signals. Electronic timing circult 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: $7 \times 5 \times 7^{\prime \prime}$. Shpg. wt. 9 lbs.


## 24 HOUR CALL-IDENT TYMETER CLOCK

## - 10 Minute Repeat <br> 

 $\mathbf{2 4}$-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 $110-120 \mathrm{~V}, 60 \mathrm{cDS}$ AC. Walnut finish plastic case. Size: $71 / 4 \mathrm{~W} \times 4 \mathrm{Hx} 4^{\prime \prime} \mathrm{D}$. 40 H 9101 Shpg wt., 5 lbs.

## AMAZING WORLD TIME ILLUMINATED ELECTRIC WALL CLOCK

- World Map Illustrated in Five Colors
- Walnut Veneer Frame SALE! - Instantly Indicates Correct Standard Time at 70 Key Points $47^{75}$ Modern, international electric wall time clock, showing the local time in 70 major cities throughout the world - automatically elim. inates the need for international time conversion charts. Outstanding visual ald for amateur science teacher, students, international communications - a valuable business tool for around-the-world international offices. Enlarged, vivid time Indicators are adjustable, permitting precise setting for standard and daylight saving time, Universal design fits any decor in office board room. school library, museums and home study or den. Set in handsome walnut frame $15 \mathrm{Hx22W} \mathrm{\times 5} 5^{\circ} \mathrm{D}$. Illuminated. Powered by a heavy duty 115 V ., 60 cycles AC clock motor. Shipg. wt., 5 lbs.
40 H 3001wx $\$ 5$ Monthly
Net 47.75


# Top Quality Sonar Marine Electronic Equipment 

SONAR MARINE RADIO TELEPHONES


- Features Tuned RF Amplifier For All 8 Channels
- Power Supply Has 80\% Efficiency for Low Battery Drain

MOOEL 75B Radlo Telephone meets FCC requirements for commercial boats having six or more passengers for hire. Powerful 75 watt transmitter has a tuned RF amplifier for all 8 marine channels. Advanced 20 transistor, 3 tube, 10 diode circuit. Receiver features low battery drain ( $3 / 10$ ampere), gated noise limiter, silicon transistors, broadcast band coverage, adjustable squelch, and front mounted hi-fi oval speaker. Transmitter utilizes power saver "stand-by" switch, front panel tuning and RF output indicator, high level class "B" modulation, and speech limiter. Non-magnetic all aluminum construction treated against the effects of salt water and fungus. Power requirements: 12 volts DC , Size: $131 / 2 \mathrm{~L} \times 10 \% \mathrm{~W} \times 61 / 4^{\prime \prime} \mathrm{H}$. Supplied with universal mounting bracket and push-to-talk mike. Model 75 B and Model 115 A are supplied with 3 palir of matched crystals for 2182 KC coast guard, 2638 KC , and 2738 KC Ship-to-Ship. Model 155A is supplied less crystals. Shpg. wt., 17 lbs.

40 H $4319 W X$ MOOEL 758 75-WATT RADIOTELEPHONE $\$ 15$ Monthly 40 H 4320WX MOOEL 1154 Same as above but 115 watt input. Wt., 17 lbs

Net 299.95 40 in 4321 WX MOOEL $155 A$ Same as above but 150 watt inout. Wt.. 17 lbs. ACCESSORIES FOR SONAR MARINE RAOIO TELEPHONES
Model AN16-DELUXE 18 FT . HEAVY DUTY FIBERGLASS ANTENNA with heavy duty chrome lay down mount. Shpg. wt., 11 lbs. 40 H 4322WX

SONAR MODEL DC-480 COMBINATION CHART AND FLASHER DEPTH RECORDER


Only
$239^{95}$
Complete with Transducer, Gimbal, Fairing Block

A highly sensitive depth recorder which both records your voyage as you sali and provides an instant flashing indication for safe naviga. fion. 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 $4^{\prime \prime} \times 6^{\prime \prime}$ viewing area. $360^{\circ}$ flasher dial indicates 0 to 480 ft . Takes 5 soundings per second. Dnly 5 amps. current drain. Size: $103 / 4 W \times 63 / 4 \times 63 / 4^{2}$. For 12 VDC positive or negative ground. Shpg. wt. 11 lbs. 40 if 4323 WX
$\$ 11.50$ Monthly
Net 239.95

## SONAR DF7X TRANSISTORIZED DIRECTION FINDER



No Money Down
Features left/right meter indication of boat heading. 3 bands: Beacon ( 180 kc to 420 kc ); Standard Broadcast ( 525 kc to 1650 kc ); Marine ( 1600 to 3500 kc ) plus Consolan re. ception. Sensing system provides true null bearings $\pm 1^{\circ}$. Includes, ANL, antenna, speaker, compass rose, and amplified meter for greater sensltivity. With battery. Size: $133 / 4 L \times 104 / 2 \mathrm{D} \times 8^{\prime \prime} \mathrm{H}$. ShD, wt., 14 lbs. 40 H 4313Wx $\$ 12.50$ Monthly ..... Net 249.50

SONAR DI20B DEPTH INDICATOR


No Money Dowir

- Reads Up To 250 Feet
- $360^{\circ}, 4^{\prime \prime}$ Scale With 1 -Foot Cailbrations
- One-Piece, Non-Magnetic Construction

Highly sensitive, extremely accurate depth indicator for bulkhead mounting. Measures from 1 to 250 feet. Easlly installed-even while boat is in water. For 12 VDC. Size: $111 / 4 \mathrm{~W} \times 71 / 2 \mathrm{H} \times 71 / 2^{\prime \prime} \mathrm{D}$. Complete with trans. ducer, gimbal and falring block. Shpg. wt., 10 lbs.
40 H $4312 \mathrm{wx} \$ 7.50$ Monthly ___ Net 139.50

NEW! MODEL DR-250 DUAL RANGE DEPTH INDICATOR with MAGNA-PULSE KEYING


An extremely accurate and sensitive depth indicator. With Magna. Pulse Keying . . . a new concept in depth indication. Hand wired, and extremely reliable for accurate readings. Two speed synchronlzed motors for direct reading at $0^{\circ}$ to $60^{\prime}$ and $0^{\prime}$ to $250^{\circ}$. Adjustable night panel illumination and non-glare, $360^{\circ}$, $4^{\prime \prime}$ dial. Comes complete with heavy duty bronze housing thru-hull or aluminum transamount transducer, power plug and all positions mount. ing gimbal. Soundings: 38 or 10 per second. Freq. 200kc. for 12 volts only. $7 \times 51 / 2 \times 81 / 2^{\prime \prime}$.
40 H 4325 Wx $\$ 10$ monthly. Shpg, wt., 7 bs.
Net 189.50

# Marine Hailers, Direction Finders and Accessories 



No Money Down

- Complete with Control Unit, Mike, Trumpet, and 25 Ft . Cable
Sonar haller features powerful 16 watt amplifier for long distance operation. Especlally designed to serve as a boat to boat, boat to dock, boat to swimmer or skier communicator, as a 2 -way boat inter com, and for electronic listening or hailing with independent volume controls. Can also be used as extra loud electronic manual or automatic fog horn. Gimble mounting bracket. Meets Coast Guard requirements for class 1, 2, 3 and international communications standards. Size: $6 \frac{1}{4} \times 21 / 2 \times 5^{\prime \prime}$. Shpg. wt., 7 lbs. $40 \mathrm{H} 4324 \mathrm{WX} \$ 7$ Monthly

Net 125.00
40 H 4326 Intercom Remote Speaker for above
$\begin{array}{rr}\text { Net } & 125.00 \\ \text { Net } & 12.95\end{array}$


NOVA TECH PILOT II SOLID STATE 4 BAND RADIO DIRECTION FINDER BANDS

UHF 108-136MC Marine $1.5 \cdot 4.5 \mathrm{MC}$ Beacon 200-400KC AM $\quad 550.1600 \mathrm{KC}$
$129^{95}$
with batteries and earphone No Money Down

4 band radio recelver picks up the entire marine and aircraft bands, weather reports, and standard AM. Features: rotating loop for sharp nulls andraccurate bearings, $180^{\circ}$ left-right bearing scale, null meter DF level control, callbrated optical sights, push button dial light, 4 antennas, 2 external headphone jacks, 12 transistors. Complete with AC adapter, batteries, mounting bracket, and earphone. Size: $91 / 2 x$ $51 / 2 \times 21 / 2^{\prime \prime}$. Imported. Shpg. wt., 5 lbs .
40 H 3801 WX
. $\$ 7$ monthly
ifed)
Net 129.95
99 H 6258 Batterles for above (4 required) $\qquad$ Net ea.


- Weighs only $41 / 2 \mathrm{lbs}$. complete with batteries LIghtweight, powerful megaphone provides high sound volume output. Uses 4 sile 0 flashlight batteries and has a patented non-tinear current-limiting device to give maximum possible battery life. Reflexed alr column in the horn serves to concentrate and direct the amplified sound and throw it for a considerable distance. Rubber rimmed horn is of lightweight spun alum. inum. Microphone is built into the base of the horn. Unit measures $121 / 2^{\prime \prime}$ long; mouth diameter is $81 / 4^{\circ \prime}$. Imported. Shpg. wt., 6 lbs.
99 H 4504 Power Megaphone Net 29.95 " $D$ " cell Battery for above ( 4 required). 99 H 6256 Shpg. wt., 1 o2. ....Net ea. . 15


Designed for the small boat owner-fisher-man-hunter-camper. A combination of an "alidade" type sighting tube and a jeweled pivot, liquid compass. Takes instant, accurate sightings on landmarks and converts them into compass bearing. Fixes your position automatically-asily. Graduated in increments of $1^{\circ}$ with each $10^{\circ}$ s called out. Constructed of heavy brass throughout, anti. magnetic \& corrosion-proof. Complete with instructions. Imposted. Shps. wt., 3 los.
99 H 7158
99 H 6258 Battery for above ..... Net $\begin{array}{r}\text {. } 10\end{array}$

## 

"HUSH-TONE" TINY TIGER PORTABLE GENERATOR

No Money Down
Miniature, Powerful, Portable Emergency Generator Model 67 "Hush-Tone"-Features a 1 ho, 2 cycle Ohisson \& Rice air cooled engine with a high capacity magnito ignition. 6 plint, premixed ( 10 parts gas 1 part $0: 1$ ) fuel capacity allows operation at full power ( 6300 rpm ) for $2 \frac{1}{2}$ hours. Dual voltare. direct drive generator produces up to 350 watts of 115 V ., AC , and 12 amps . of 12 V ., DC simultaneously. Constant voltage with. in $110-120$ volts with an automatic over. load relief system. Light enough to carry anywhere ( 12 lbs.) . . small enough to carry in one hand ( $81 / 2^{\prime \prime} \mathrm{H} \times 81 / 2^{\prime} \mathrm{W} \times 10^{1 / 4} \mathrm{~L} \mathrm{~L}$ ). Shpg. wt., 13 lbs.
12 H 3552 \$5 Monthly
... Net 99.95

## LAFAYETTE BOAT COMPASS



- Includes Universal Gimbal Mount Accurate high quality compass adapts to any locatlon in your boat or car. Full compensation adjustments for N-S and E-W. Sturdy plastic housing contains floating dial with luminous lettering in magnifying liquid. Can be easily mounted in any position. Supplied with heavily chromed mounting gimbal, screws, and compass. Overall Size: $22 / 3 \mathrm{Hx}$ $31 / 2 W \times 21 / 4^{\prime 2}$. Imported.
99 H 9131 Shpg. wt., $1 / 4 \mathrm{lb}$.
Net 4.95


## MARINE BATTERY CLOCK

As Low As


Operates A Year On single "D" Cell

## - Walnut Finish - Luminescent

 Dial and HandsSmartiy designed and ruggedly constructed battery operated clock des gned for use on a boat. Two-piece magnetlc base for swivel mounting
holds tight to all surfaces. Unbreakable polypropolene housing for extra ruggedness. Lustrous silver finished metal dial and trim. Size $31 / 8 \times 37 / 4 \times 1 /{ }^{\circ}{ }^{\circ}$. Walnut finish with luminescent dial and hands. Shpg. wt., $1 / 2 \mathrm{lb}$.
11 H 8152 Less battery
Net 10.49 Same as above but with ebony and silver finished metal dial and trim. 11 H 8150

Net 9.75
Same as above but with St. Christopher Emblem.
11 H 8151
Net 9.95
99 H 6526 Battery for above ….. Net 9.95


- Fully Internal Gimbal Mounting
- Super Heavy Magnet Assembly

Internal gimbal mounting affords maximum protection and stabllity, combined with a super heavy magnet assembly, insures accurate, dependable readings. Éasy 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 adjust for changes in mag. netic surroundings. Durable chrome finish and ultra-modern styling. Dimensions: $71 / 2^{\prime \prime \prime} x$ $51 / 4{ }^{\text {" }} \mathrm{D}$. Imported. Shpg. wt., $33 / 4 \mathrm{lbs}$. 99 H 9179

Net 16.95

# NEW! Deluxe Solid State VHF FM Communications Receivers 

MONITOR CALLS FROM:


STATE, COUNTY AND MUNICIPAL POLICE - FIRE DEPARTMENT - CIVIL DEFENSE - RAILROADS - TRUCKING -

HIGHWAY MAINTENANCE - FORESTRY -AVIATION - CONSERVATION - PETROLEUM and INOUSTRIAL ACTIVITIES.

## Solid State Dual Band FM Receiver

Two Receivers In One! Two Bands 30-50MC and 152-174MC


Model PF-175

- Operates on 117 VAC and 12VDC
- Sensitivity $0.7 \mu V$ for 20 db Quieting
- Tuned RF and Mixer Stages
- 4 IF Stages With IC's
- Tape Recorder Output Jack

An advanced FM receiver 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 single frequency in elther band. 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 equivatent of 20 transistors in the If stages alone! $100 \%$ solid state design offers top reliabillty tool No missed emergency calls due to tube burn-out, for example. And there's no loss of tlme due to "warm-up" either-"instant-on" transistor clrcuit permits immediate response to emergencies! Built-in universa! power supply assures continuous monitoring under any conditionsthe unit also operates from a 12VOC battery supply for field use or

17 Transistors For
Super Sensitivity and Selectivity

CRYSTAL CONTROL<br>plus<br>TUNEABLE RECEPTION Only 99 95 No Money Down

as an emergency portable if AC power falls. Front panel controls include a 4 -position selector for cholce of Xtal or Tuneable reception on either of the two VHF bands, Variable squelch control lets you silence the recelver during no-signal conditions to reduce monltoring fatigue. Also equipped with illuminated sllde-rule dlal, plus handy on-off volume control. Has a handsomely styled vinyl-clad steel cabinet in a simulated walnut wood-grain finish, and equipped with built-in $4^{\prime \prime}$ front-mounted speaker and external phone jack. Size: $131 / 4 \mathrm{~W} \times 71 / 2 \mathrm{D} \times 6^{\prime \prime} \mathrm{H}$. Imported. Shpg, wt., 10 lbs .
99 H 2589 WX Model PF-175 (less Cirstal) $\qquad$ Net 99.95 CRYSTALS FOR CRYSTAL RECEIVE-Specify Exact Operating Frequency Subject to 4 weeks dellvery.
40 H 8207CY 30-50MC Net 5.95
40 H 8208CY 152.174 MC Net 5.95

## NEW! Single Band Solid State FM Receivers



| Model PF-30 <br> $30-50 \mathrm{MC}$ | Model PF-60 <br> $152-174 \mathrm{MC}$ |
| :---: | :---: |
| Only | 95 <br> No Money <br> Down |

- 4 IC's Plus 12 Transistors
- Crystal Control Plus Tunable Reception
- 117 VAC and 12 VDC Operation
- Tape Recorder Output Jack

Same super-sensitive solld-state FM receivers 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 VDC battery operation for field use or during emergencies. Controls: Variable Squelch, On-Off Volume, Tuning and

Selector (Tune-Xtal). Less Crystal, Size: $131 / 4 \mathrm{~W} \times 71 / 2 \mathrm{O} \times 6 \mathrm{H}$. Imported. Shpg, wt., 10 lbs .
99 H 2590 WX Model PF- 60 152-174MC $\qquad$ Net 69,95 99 H 2591 WX Model PF-30 30-50MC Net 69.95 CRYSTALS - Specify Exact Operating Frequency 4 weeks delivery.
40 H 8208CY 152-174MC Net 5.95
40 H 8207CY $30-50 \mathrm{MC}$
Net 5.95

# NEW! Police And Fire Solid State Mobile Monitor Receivers 

## MONITOR:

Police Department Fire Department Special Emergency Highway Maintenance Local Government Business Service Taxicabs Railroads Auto Emergencies Forestry Conservation


## * Tunable Plus One Crystal Position

Thrill to urgent police broadcasts, hear the excitement of fire squads In action! 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 Mc or 152 to 174 Mc . Each has provision for one crystal control. led frequency. The highly sensitive front end features $7 \mu \mathrm{~V}$ for the $\mathrm{PB}-50$ and less than $1 \mathrm{\mu V}$ for the PB. 150. The selective "I.F." features four integrated circults, in the if section to produce -45 db image rejection. These IC's represent the utmost in component dependability and durability. Weak distant stations can be heard clearly, while outside noise and interierence are drastically reduced. The efficient 2.8 watt audio section terminates in a big $3 \times 5^{\prime \prime}$ PM speaker, providing for clean, clear sound reproduction. Only $2 z_{6}$ "high, the units are easily mounted under virtually any dash board or control panel (Mounting brackets are included).

## * 4 IC's (Integrated Circuits)

Power may be supplied by any standard 12 volt negative ground battery or by the H8-502 117 VAC base station power supply listed below. It's solld state circuitry features extremeiy low current drain. Three controls complement the stylish front panel: Volume/ Squelch, $x^{\prime \prime}$ tail/Tune, and Tuning. Antenna Impedance: 50.75 ohms, Size: $23 / 4 \mathrm{Hx} 61 / 4 \mathrm{~W} \times 8^{\circ \mathrm{O}}$. Imported. Shpg. Wt., 10 lbs . 99 H 2593 WX Model Pg-50 ( $30-50 \mathrm{Mc}$ ) $\$ 5$ Monthly.... Crystal for P8-50. Specity exact operating Frequency. 40 H $8207 \mathrm{Cr}^{*}$

Net 69.95
99 H 2592 WX Model PB. 150 ( 152 -174Mc) $\$ 5$ Monthly Crystal for P8.150. Specify exact operating frequency. $40 \mathrm{H} 8200 \mathrm{Cr}{ }^{*}$

Net 595 Model H8-502 power supply. Permits operation of PB-50 and PB150 from 115 V AC source.
99 H 3086 W . Imported. Shipg. wt., 5 lbs. siveny ................ Net 16.95 *Must be ordered special. 3-4 weeks delivery.

## NEW! LAFAYETTE HAND-HELD POLICE, FIRE, VHF RECEIVERS

 and Auto Emergencies, Industrial Services, Railroads, Highway Maintenance, Forestry Conservation, Civil Defense.- 2 Models: 146-175 Megacycles 27. 50 Megacycles - All Solid State-10 Transistors - Superheterodyne Receiver
- Built-in Telescoping Antenna

Put an exciting new world at your fingertips with this portable, battery operated, police, fire, and VHF recelver. Two models that bring you complete coverage of all the action and adventure on either the $146-175 \mathrm{Mc}$ or $\mathbf{2 7 - 5 0} \mathrm{Mc}$ bands. 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 proviston for an external antenna. With carrying strap, Size: $6^{\prime \prime} \times 27 / 8^{\prime \prime} \times 1 \%$ ". Imported. Shpg. wt, 2 lbs.
99 H 3531 L 146.175 Mc
Net 17.95
99 H 3533 L 27. 50 Mc Net 17.95
Extra " $A A$ " penlight batteries ( 4 required).
99 H 6258
40 H 7901 Earphone
ea. Net 10

# LAFAYETTE Police and Fire Professional Solid State FM Mobile Receivers 

## 6-Channel Crystal Controlled

BE JOHNNY ON THE SPOT IN EMERGENCIES!


## Model HA-39

39Mc - 40 Mc
Model HA-42
42Mc. 43 Mc
Model HA-45
$45 \mathrm{Mc} \cdot 46 \mathrm{Mc}$

## - 19 Transistors, 6 Diodes

- Double Conversion Superheterodyne Receiver
- Very Low Battery Drain - Variable Squelch
- Sensitivity: $0.7 \mu \vee$ For 20db 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 controlied FM receiver enables suoerinr, accurate monitoring of Fire. Police, Local Government, Special Emergency, etc. calls, Its 19 transistor, 6 diode solid state circuitry permits instantaneous operation-no loss of precious time due to warmup , permits immediate response to emergencles! The compact. miniature 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. Slx erystal-controlled channel capability permits operation on up to 6 freqencies with highly accu:ate optional crystals. Features an exceptinnally sensitive double conversion superheterodyne circuit with $0.7 \mu v$ sensitivity for 20 db quieting. Designed and bullt for reliable, trouble free performance, the receiver uses rugred. heat reslstant Silicon Mesa transistors in alf critical areas (osciliator. RF and if). Very low current on 12 volts OC permits continuous monitoring in mobile operation for long periods of time... even with the motor switched off! Complete with built-in $3^{\prime \prime} \mathrm{x} 5^{\prime \prime}$ " speaker and mobile mounting bracket. Size: $6 \mathrm{Wa} 80 \times 2^{\prime \prime} \mathrm{H}$. Imported. Shpa. Wt., $61 / 2 \mathrm{lbs}$.


Model HA-46
$45 \mathrm{Mc} \cdot 47 \mathrm{Mc}$
Model HA-153
153 Mc - 155 Mc

Model HA-39: For 39 to 40 Mc Operation. 99 H 2602wX $\$ 5$ Monthly. Less Crystals 40 H 8204 CY * Crystal for HA. 39

Model HA-42: For 42 to 43 Mc Operation.
99 H 2603 Wx $\$ 5$ Monthly. Less Crystals
Net 99.95
40 H 8205CY* Crystal for HA-42
Net 6.95
Model HA-45: For 45 to 46 Mc Operation. 99 H $2604 \mathrm{WX} \$ 5$ Monthly. Less Crystals

Net 99.95
40 H 8206CY* Crystal for HA. 45
Net 6.95
Model HA-46: For 46 to 47 Mc Operation.
99 H $2588 \mathrm{Wx} \$ 5$ Monthly. Less Crystals
Net 99.95 40 H 8201CY* Crystal for HA-46

Model MA-153: For 153 to 155 Mc Operation. 99 H 2586Wx \$5 Monthly. Less Crystals

Net 99.95 40 H 8202CY* Crystal for HA. 153

Net 6.95
Model MA-155: For 155 to 157 Mc Operation.
99 H $2587 \mathrm{WX} \$ 5$ Monthly. Less Crystals
Net 99.95
40 H 8203 CY . Crystal for HA- 155
Net 6.95
-Specify Exact Operating Frequency. Must 8e Ordered Special.
3 to 4 Weeks Delivery. Crystal Tolerance $\pm 0.0015 \%$. wt., 402.
H8-502: 117V. AC Sturdy attractive matching power supply for base station operation. $6 \mathrm{~W} \times 7 \% \mathrm{FD} \times 2 \mathrm{y} / \mathrm{m}^{\prime \mathrm{H}}$. Imported. Shpg. wt. 8 lbs . 99 H 3086 W

Net 16.95

# LAFAYETTE VHF Communications Antennas 

## LAFAYETTE "RANGE-BOOST"TM <br> 2 BAND FM VHF GROUND PLANE COMMUNICATIONS ANTENNA



- Boost your FM Receiving Range - For 30-50MC, 130-174MC

An exceptionally efficient ground plane antenna for operation between 30 to 50 MC and 130 to 174 MC. Comprised of 4 easily assembled drooping elements tuned to 30 MC and a vertical radiator with a matching transformer and a low and high band colinear collector. Ideal for use with Lafayette FM communications receivers. Constructed of heavy-duty aluminum alloy rods and stain. less steel tip section. Antenna comes complete with mcunting bracket for $1^{\prime \prime}$. pipe or $11 / 4^{\prime \prime}$ tublng. Shpg. wt., 6 lbs. 40 H 0105 WX

Net 19.95

## MONITOR RADIO ARI36 AIRCRAFT RECEIVER


$\underset{\text { Down }}{\text { No Money }} 995$

- Electronic Squelch
- Nuvistor RF Amplifier
- Frequency Range 108 -136MC

A deluxe 9-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 MC . Sensitivity $1 \mu \mathrm{~V}$. Features nuvistor RF stage, fully tuned 2 nd 11 stage. built-in $5^{\prime \prime}$ speaker, noise squelch, tone and volume controls and illuminated slide rule dial. Blue vinyl laminated steel cabinet. Size: $121 / 2 \mathrm{~W} \times 61 / 4 \mathrm{H} \times 63 / \mathrm{m} \cdot \mathrm{D}$. For $105-125 \mathrm{~V} 60$ cycles AC. Shpg. wt., 16 lbs.
40 H 6015 WX $\$ 5$ Monthly
Net 99.95

## NEW LAFAYETTE MODEL PAA <br> 2 BAND VHF INDOOR ANTENNA

- For 30-50MC, 130-174MC

New exciting antenna enables you to operate your VHF FM communications receiver without having to put up an outdoor antenna. Model PAA antenna terminates in a co-ax connector. Consists of 2 section staintess steel whip with center loaded coils for $30-50 \mathrm{MC}$ and $150-174 \mathrm{MC}$. Ideal for use with Lafayette Models PF175, PF60, PF30 FM VHF recelvers. Overall length $48 \%$. Shpg. wt 2 lbs . $40 \mathrm{H} 0111 \mathrm{~L}^{\circ}$ $\qquad$ Net 8.95

## LOW-BAND $30-50$ MC WINDOW MOUNT ANTENNA

## - Perfect for Apartment Applications

Especially designed for apartment instaliation where other outdoor antennas can not be used. May be cut to resonate at any desired frequency from 30 to 50 MC . To receive signals below 30MC, simply leave antenna at maximum length. Comes with angle mount bracket for ledge mounting. Shog. wt., 3 lbs 40 H 1301 W

NEW LAFAYETTE MOBILE FM VHF ANTENNAS LOW BAND mOBILE ANTENNAS

- For 30-50MC 11 $95^{\text {cas }}$
- Features "Rapid-Grip" Trunk-Lid Mount
3 deluxe new base loaded FM VHF mobile antennas to choose from-$30-36 \mathrm{MC}, 36.42 \mathrm{MC}$ 42.50MC. All 3 antennas include "Rapid-grip" trunk lid mounts for simple and easy in. stallation. No holes to drill. Provides ideal omni-directional signal pattern. Consists of weatherproof phasing transformer, stainless steel whip and cadmium plated "rapid-grip" mount. Overall length 43". Wt. 2 lbs, 40 H 0114 W 30-36MC. Net 11.95 40 H 0115 W 36-42MC _._. Net 11.95 40 H 0112 W 42.50 MC ...... Net 11.95

20. Coaxial Cable Assembly for above antennas. Terminate with PL-259 on one end and universal lugs on other end.
42 H 7002 Net 2.75
HIGH BAND MOBILE ANTENNA
For 130-174MC
Only
$5^{59}$
With 12' cable
Mobile roof or trunk mount for 130 . 174 MC operation. Terminates in $3 / 8^{\circ}$ 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 $211 / 2^{* *}$. Shpg. wt., 1 lb.
$40 \mathrm{H} 0113 \mathrm{~W}^{\circ}$
Net 5.95

## HIGH BAND 108-176 GROUND PLANE ANTENNA

Covers Aircraft Frequencies

Light weight, omni-directional vertical ground plane antenna. Radials are of stainless steel construction. Radiator is of chrome plated brass and highly corrosion resistant. Coaxlal fitting on antenna base directly accepts the standard PL. 259 coaxial plue. May be cut to resonate at any desired frequency over the 108-176 MC range. U-bolts are provided to accept up to $11 / \mathrm{B}^{*}$ diameter masts. Shpg. wt., 2 lds.
40 H 1302W

## NEW PORTABLE MOBILE TUNABLE UHF AIRCRAFT CONVERTER



- Tunable 118-128MC
- Operates on a 9 volt Battery

All transistor funable converter that enables your regular AM Auto Radio to recelve the $118-128 \mathrm{MC}$ Aircraft frequencles. Comes com. plete 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. $41 / 2^{\prime \prime} \times 33 / \mathbf{m}^{\prime \prime} \times 17 / \mathbf{B}^{\circ}$. Shpg. wt., 2 lbs. 40 H 2001

Net 29.95
99 H 60219 Volt Battery for above Net

Net 6.56


## AMECO MODEL CG POCKET VHF CONVERTER

- For Any Single Frequency From 2 to 174MC
- No Attachment to Receiver Required - Battery Operated Transistorized


All transistor pocket converter changes standard AM broadcast band receiver into a short wave receiver. Can be used with any home of auto radio or transistor receiver. Supplied with a specified crystal to recelve any single frequency (AM or FM) between 2 and 174 MC . No electrical con-nections-operates perfectly when placed next to the receiver. Size $4^{\prime \prime} \times 3^{\prime \prime} \times 25 /{ }^{\prime \prime}$. Complete with 2 " $A A$ " type batteries. Shpg. plete with
wt., 1 lb.
40 H 1047 Y = Specify Exact
Frequency
Net 21.95

- On special order-allow 3 weeks for dellvery.


## Monitoradio Special Purpose VHF Receivers <br> FOR: State, County and Municipal Polics-Fire Departments-Civil

 Defense-Trucking - Railroads-Highway Maintenance-Forestry Censervation Petroleum and Industrial Activities.

Civll
Cen-

MODEL DR-200 2 BAND TUNABLE FM RECEIVER


No Money Down

- Covers $30 \cdot 50 \mathrm{MC}$ and $152-174 \mathrm{MC}$ - Tunable and Crystal Controlled

Use this quality FM receiver to tune in exciting Police and Fire calls, Taxi and Radio telephone calls, and important Civil Defense calls. This deluxe receiver is tunable or can be erystal controlled to a single frequency on each band 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 5 Y 3GT Rectifier, Power output: 1.5 watts. Size: $8 \times 61 / 2 \times 7 \%$ ". For 115 volt AC operation. Shpg. wt., 21 los
40 H 6009wx Model DR. 200 ........ Net 200.00 DRS-1 Matching Speaker for Model DR-200 40 H 6010 W wt., 3 lb.

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 H 6011 Y For 30. 50 MC Band _Net 6.95 40 H 6012 Y For $152-174 \mathrm{MC}$ Band _- Net 6.95

## MOBILE FM RECEIVERS



## No Money Down 500

- M.40; Tunable 30.50 MC
- M-160; Tunable 152-174 MC

These high quality tunable mobile receivers cover the entire FM communications band with excellent sensitivity. 10 tube circuit features a fully tuned RF amplifier, dual conversion, and two stages of limiting followed by the discrim. inator. Power output is 8 watts, built-in $4^{\prime \prime}$ speaker. For 12 v . OC 3.9 a mperes. Housed in attractive cabinet, only $41 / 2 \times 61 / 2 \times 81 / 4 \mathrm{~m}$. Shpg. wt, 10 lbs.
MODEL M-40 Moblle FM recelver for 30-50 MC band. Sensitivity $2 \mu \mathrm{v}$ for 20 db quieting. 40 H 600 iwx $\$ 8.00$ Monthly Net $\$ 150.00$ MODEL M-160 Mobile FM receiver for 152-174 MC band. Sensitivity $2 \mu \mathrm{v}$ for 20 db quieting. 40 H 6003wx \$B monthly Net 150.00


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 squelch ellminates noise between transmissions. Built-in $5^{\prime \prime}$ speaker, 8 watt output. Illuminated slide-rule dial for night operation. Two-tone metal cabinet $111 / 4 \times 77 / 4 \times 61 / 2^{\prime \prime}$. For 105.125 volts 60 cycle AC only U.L. ilsted. Shpg. wt., 15 lbs. MODEL MR-10B $152+174 \mathrm{MC}$ 40 H 6005WX $\$ 5$ monthly Net 84.95 MODEL MR-33B $\quad 30.50 \mathrm{MC}$ 40 H 6007WX $\$ 5$ monthly Net 84.95

## MONITORADIO "ON-CALL" TRANSISTORIZED RECEIVERS



Deluxe Crystal Controlled Operation

As Low As

No Money Down

- Emergency Receivers to Alert Police and Firemen
- For 30 to $50 \mathrm{Mc} ; 150$ to 175 Mc
- 3 Way ON-CALL Power Supply permits Operation on 117VAC, 12 VDC , 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 $1 \mu \mathrm{v}$ sensitivity for a strong. clear signal with minlmum distortion and background noise. Optional internal battery pack is automatically activated in case of power fallure. Includes Squelch control. Audio output 1.5 watts. 21 transistors- 9 diodes. Cabinetblue vinyl-laminated steel. Size 11 W $\times 43 / 4 \mathrm{Hx} 71 / 2^{\prime \prime}$ D. Shpg. wt., 8 lbs . -Each unit comes with one crystal.*

## CHOOSE FROM FOUR BASIC MODELS

MODEL TML-1 * Single channel crystal control for $\mathbf{3 0 - 5 0 M C}$.
40 H 6624 CXY ............................... 1150 MODEL TMH.1 * Single channel erystal control for 150-175MC. 40 H 6625CXY Single channel crys $\$ 6.50$ Monthly $\qquad$ $\ddot{M C}$ MODEL TML-2 - Six channel crystal control for 30.50 MC .
40 H 6622 CXY Net 115.00
$\qquad$ control for 15 -175MC.
MODEL TMH-2
40 H 6623 CXY $\$ 7.00$ Monthly Net 130.00

## 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 TRANSMITTING ALARM AUDIO FREQUENCY: 313.0, 349.0, 389.0 or 433.7 40 H 6632Y $\$ 5$ Monthly Shpg. wt., $31 / 2$ lbs.. Net 40.50 Extra crystals-please specity exact frequency.
40 H 6618 Cr Shpg. wt., 2 oz. Net 6.95
OC Power Cord enables receiver to be operated from any 12V DC power source with a negative ground.
40 H 6619 shpg. wt., 602. Net 2.95
Emergency Battery Pack. Will switch circult automatically to 12 VDC if the 117VAC power falls.
40 H 6620 Shpg. wt., 1 lb.
Net 38.35
Carry Handle and Moblle Mts.Brackel
40 H 6621 Shpg. Wt., 802 .
Net 5.35
*ALL MDDELS ARE ORDERED SPECIAL AND ARE SUBJECT TO 6 WEEKS DELIVERY. SHIPPED COLLECT FROM INDIANAPOLIS. NO COD ORDERS.

# Reliable, Popular Priced Test Equipment 

## LAFAYETTE LAB TYPE MULTITESTER WITH MIRROR SCALE

## LAFAYETTE PROFESSIONAL 20,000 OHMS PER VOLT MULTITESTER

## WITH AUTOMATIC OVERLOAD PROTECTION

Highly accurate, compact multitester provides wide voltage, current. resistance and db ranges on large, easy-to-read 2 color scale. Automatic overload protection, $1 \%$ precision resistors. Ideal for work on radios, N. HiFl equipments, appliances, and in school labs. 16-posiltion selector switch, and zero-adjust switch. Lightweight. high-impact case, Sensittity: $2,500 \Omega /$ volt $A C$ \& $D C$. DC volts, 5 ranges: $0.6,12,60,300,1200 \mathrm{~V}$. AC volts. 5 ranges: $0-6.12 .60$, $300,1200 \mathrm{~V}$; DC amps, 3 ranges: $0.300 \mu \mathrm{~A}$. $3 \mathrm{~mA}, 300 \mathrm{~mA}$; $D \mathrm{C}$ ohms, 3 ranges: $0-20 \mathrm{~K}, 200 \mathrm{~K}, 2$ Meg. Decibels: From -20 to +17 $15 / 6 \times 21 / 4 \times 6 K_{0}{ }^{\circ}$. Imported. Shpg. wt., 1 1/2 lbs. 99 H 5089

Net 9.95


WITH AUTOMATIC OVERLOAO PROTECTION. MIRROR SCALE
High sensitivity professional multitester designed to give accurate readings and withstand rough usage, Measures wide ranges of current, voltage and resistance and db on a large easy-to-read 2 -color mirror scale. Features automatic overload protection and $1 \%$ precision resistors for a high degree of accuracy. With turn. around leads. Lightweight, high Impact case. Sensitivity: AC: 10,000 $\Omega /$ volt, $D C: 20,000 \Omega /$ volt; $A C$ volts 5 ranges $0-10,50,250,500$, 1000 V ; DC volts 5 ranges $0.10,50,250,500,1000 \mathrm{~V}$; DC amps, 3 ranges: $0-500 \mu \mathrm{~A}, 10 \mathrm{~mA} ; 250 \mathrm{~mA}$; Resistance. 3 ranges: $0.20 \mathrm{~K}, 200 \mathrm{~K}$. 2 Meg ohms, Decibels: from -20 to $+22.158 \times 23 / 4 \times 6 \%$. Imported. Shps, wt, $14 / 2$ lbs.
99 H 5070
Net 14.95

## MINIATURE POCKET TESTERS


(A)
as low as $3^{45}$
(4) tor suanmaryan pocest tister measures only $3 \times 4 \times 1 / 1 / 4^{*}$, 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 audio oscillator, AGC substitute voltage supply, a visual output-meter for alignment work and continuity tester. Complete with instructions. Shpg. wt., 3 lbs.
38 H 2802 $\qquad$ Net 6.95
(B) Emico plug-in LINE VOLTAGE TESTER. Low cost AC line voitage 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., 8 oz.
38 H 3103
Nel 3.45

## DON BOSCO "MOSQUITO" SIGNAL INJECTOR

## $9^{95}$

A pocket-size, cordiess 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, N . tape recorders, hearing aids and sound systems. Lightweight, transistorized. Output 50v p-p. Features a detachable attenwator probe. Output impedance, 10K. DC input voltage, 600 v max. Uses economical 1.5 volt penlight cell. Size: $5 \%^{\circ}{ }^{\prime \prime}$ long $\times 1 / 2^{\prime \prime}$ O.D. Shpg. wi., 2 oz.

38 H 2210 $\qquad$ Net 9.95

NEW!VERSATILE TRANSISTOR And DIODE TESTER


- Checks Transistors For Opens, Shorts, High Leakage
- Checks Diodes and Rectifiers For Opens, Shorts, Relative Forward and Reverse Resistance
Provides all necessary servicing checks: checks transistors and diodes for shorts, leakage, open elements, forward and reverse current, and DC beta gain. Handies both low and high power transistors. Also serves as a continuity checker. Simple slide switch operation handles 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: $23 / 4 \mathrm{H} \times 4 \mathrm{~W} \times 1 \mathrm{~g}$ " ${ }^{\text {D }}$. Shpg, wt., 802 . 38 n 0201 Less Battery.
$\qquad$ Net 19.95
Net ea. 21 99 H 6021 Battery for above


## CHEK-IT ELECTRICAL CIRCUIT TESTER

## 149



Here is a handy pocket size tester which is ideal for servicemen, schools, electrinians and hobbyists, Completely portable and sim. ple to use, checks electrical continulty of line cords, switches, coils, and fuses. Ideal for checking out buzzers, chimes, and varlous other electrical appliances. Uses 2 inexpensive penlight cells. Shpg. wt., 3 oz. 38 H 7908 Chek-It less batterles ... Net 1.49 Battery for "Chek-lt". 2 required. 99 H 6258


- Resistance Substitution
- Capacitance Substitution
- IF \& RF Signal Generator
- Audio Generator
- AC \& DC Voitmeter
- RF Field Strength Indicator

Combines seven of the most wanted test functions in one compact easy-to-carry unit. SPECIFICATIONS-Resistance Substitutions: $100 \Omega, 1 \mathrm{~K} \mathrm{\Omega}, 10 \mathrm{~K} \Omega, 100 \mathrm{~K} \Omega, 1 \mathrm{M} 2$. Capacitance Substitution: . $002 \mu \mathrm{fd}, .005 \mu \mathrm{fd} . .02 \mu \mathrm{fd}$ $.1 \mu \mathrm{Pd}$ ( 600 volt-oll). $10 \mu \mathrm{fd}(350 \mathrm{v}$, electrolytic). If and RF Generator Frequency: 455KC (variable) Audio Generator Frequency: Approximately 400 cps , AC \& DC Voltmeter Ranges: $0-15,50,150,500$, ( $200 \mu$ meter movement). if Field Strength Freq. Range: 1.140 mc . With 5 section antenna, test leads, and baftery. $61 / 4 \times 31 / 4 \times 21 / 2^{\prime \prime}$. Imported. Shps, wt., 2 lbs.

## 99 H 5067

Net 13.95

## KINGSTON PROBEMASTER

## $4^{95}$



- All Purpose Electronic And Elec tric 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 capacltor substitution. Shpr, wt.. 1 lb . 38 H 4101


# High Quality Multitesters NEW DELUXE 30,000 OHMS PER VOLT MULTITESTER WITH MIRROR SCALE 

 $16^{88}$- 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 Overload Protective Circuitry

Deluxe portable Volt-0hm-Milliammeter with a mirror scale. Provides wide voltage, current. resistance and db ranges clearly visible on a biz $4^{\prime \prime}$ meter with 2 color calibrations. Built-in overload profective circuitry. Sensitivity is 30,000 ohms-pervolt $D C$ and 15,000 ohms-per-volt AC. All multipliers used are $1 \%$ precision resistors for maximum accuracy and years of dependable service. Sensitive 33-micro-ampere meter provides full scale readings down to $1 / 4$ volt on $O C$ and .05 mill iamos. Features a unique self-contained buzzer to give 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: $3 \mathrm{~K} / \mathrm{W} \times 6 \mathrm{~K} / \mathrm{s}_{4} \mathrm{H} \times 23 / 4{ }^{4} \mathrm{D}$. imported. Shpg. wt., 2 lbs.
99 H 5071
Net 16.88
38 H 0108 Pigskin Carrying Case for the above. Shpg. wt., $1 / 2 \mathrm{ib}$
Net 1.95
Sensitivity: 30,000 ohms/volt DC. 15,000 ohms/volt $A C$. Ranges: $D C$ volts: $0-25,1$ $2.5,10,25,100,250,500,1000$; AC volts: $0.2 .5,10,25,100,250,500,1000$. Direct Current: $0.0 .05,5,50,500 \mathrm{ma} ; 0-12$ 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 2 cell, 15 -volt.

## NEW DELUXE 20,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

$12^{50}$- 20,000 Ohms-Per-Volt DC, 10,000 Ohms-Per-Volt AC - $1 \%$ Precision Resistors For High Accuracy

- 40-Microamp 31/2" D'Arsonval Meter
- 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 built-in overload protective circultry. With batteries, test leads $5 \mathbb{1} \times 3 \mathrm{~K} \times 1 \mathrm{k} / \mathrm{m}^{\prime \prime} \mathrm{D}$. Shpr. wt., $11 / 2 \mathrm{lbs}$. Imported. 99 H 5073

Net 12.50
38 H 0107 Pigskin Carrying Case for above. Shpg. wt., $1 / 2$ lo.
Net 1.95

## SPECIFICATIONS

Sensitivity: 20,000 ohms/volt $D C ; 10.000$ ohms/volt $A C$. Ranges: DC volts, $0.6,6$, $30,120,600,1200 ; A C$ volts: $0-6,30,120,600,1200$. Resistance: $0.10 \mathrm{~K}, 100 \mathrm{~K}$, $1 \mathrm{M}, 10 \mathrm{Megs}$. Current: $0.60 \mu \mathrm{~A}, 0-6,60,600 \mathrm{MA}$. Decibels: -20 to +63. Capacity: 200 mmf to 0.2 mfd .

## NEW 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" Meter
- Built-in Overload Protective Circuitry

Easy visibility is provided by the large 2 -color $3^{\circ}$ 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 $31 / 4 \times 44 / 4 \times 1 "$. Imported. Shpg. wt., 1 ib. 99 H 5072 Net 9.95
38 H 0107 Pigskin Carrying Case for above. Shpg. wt., $1 / 2 \mathrm{lb}$............ Net 1.95
SPECIFICATIONS
Sensitivity: 20,000 ohm/volt $D C, 10,000$ ohms/volt. $A C$. Range $D C$ Volts: 30,60 , $300,600,3,000 \mathrm{~V}$. AC volts: $0.6,120,1,200 \mathrm{~V}$. DC Current: $0-60 \mu \mathrm{~A}, 0.12$ 0.300 ma . Resistance: D60K, D-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 $2^{1 / 8 \times 3^{1 / 8} \times 1^{1 / 6 "}}$
- 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 circuits and appliances as trons, 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: AC and DC volts: $0 \cdot 15-150-1000 \mathrm{~V}$. Ohms: $0-100,000$. Current: 0.150 MA . Plastic covered panel lettering. High impact plastic case. Complete with battery and test leads. Imported. Shps. wt., 10 oz .
99 H 5064
Net 4.95
Pigskin Carrying Case for above. Shpg. wt., $1 / 2$ ib.
99 H 5066
Net 1.95


# Our Finest VOM's 

DELUXE 100,000 OHMS PER VOLT "LAB-TESTER" VOM
Unique Yellow Function Selector Visually Indicates Exact Range

- 100,000 Ohms Per Volt DC

- Giant Easy-To-Read 61/2" Scale
- $2 \%$ Accuracy on DC; 3\% on AC
- 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 circultry features $1 / 2 \%$ precision resistors and 100,000 ohms-per-volt input resistance on OC. Measures voltage in sensitive circuits 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-ihree ranges for optimum flexibility. Case has carrying strap. Size: $71 / 6 \mathrm{~W} \times 63 / 8 \mathrm{H} \times 31 / \mathrm{s}^{\prime \prime} \mathrm{D}$. With batteries and test leads, Imported, Shpg. Wt., $41 / 2 \mathrm{lbs}$.
99 H 5065 \$5 Monthly Net 44.95
38 H 0509 Carrying Case for above Net 6.95


## SPECIFICATIONS:

Sensitivity: 100 k ohms/volt $D C, 5 \mathrm{k}$ ohms/volt $A C$, Ranges: $D C$ $0-.5-2.5-10.50-250-500-1000$ V. AC 0-3-10-50-250-500 1000 v. DB: -10 to +49.4 In 4 ranges. OC Current: 0-10-1C0 $\mu \mathrm{a}, 0$ 0-10-100. 500 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 Movement Sensitivity: $9 \mu$ a for full scale deflection. Output: to 250 v with built-in series capacitator.

## LAFAYETTE 20,000 OHMS PER VOLT VOM - With Giant $6^{\prime \prime}$ Meter

$26^{95}$

- 20,000 Ohms-per-volt DC
- $1 \%$ Multiplier Resistors
- DC Volts From 0.5000V in 8 Ranges - AC Volts From 0.5000 V in 6 Ranges A precision VOM for accurate measurement of voltage, current, resistance and decibels. Gives 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 pro. vides 20,000 ohms per-volt input resistance on DC and 5,000 ohms per-volt on $A C$-Wide-range frequency response measures 10 to 100,000 cycles within $\pm 0.5 \mathrm{db}$. A single 1.5 sv 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 $61 / 4 \mathrm{~W} \times 73 / 4 \mathrm{H} \times 31 / \mathrm{m}^{\prime \prime} \mathrm{D}$. Imported. Shpg. Wt., $41 / 2 \mathrm{lbs}$ 99 H 5013

Net 26.95

## SPECIFICATIONS

SENSITIVITY: 20,000 ohm/volt DC, 5000 ohms/volt AC, RANGE: AC; 0.5000 volts (in 6 ranges): $2.5,10,50,250,1000,5000 \mathrm{~V}$; DC; $0-5000$ 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 , $A C$ CURACY: $D C_{i} \pm 3 \%$ Full Scale. $A C ; \pm 4 \%$ Full Scaie. RESISTANCE: $\pm 3 \%$ Full Scale.


## NEW SUPER LAFAYETTE 50,000 OHMS PER VOLT MULTITESTER

- 50K Ohms Per volt DC; 5K Ohms Per volt AC
- $51 / 4$ " Meter With Spring.Backed Jewels
- Built-In Meter Overload Protection
- Low Voltage Ranges For Transistor Circuit

High sensitivity self-contained Multi-Tester for those "on-the.spot" field checks or general use on your service bench, Usable at frequencies up to 100 Kc with accuracy better than $2 \%$ DC, $3 \% \mathrm{AC}, 1 \%$ precision resistors and quality components assure you of an accurate and dependable test instrument. Easy-to-read $51 / 4^{->}$meter has spring. backed jewels and self-shielded movement. Features polarity reversal switch and easy-to-read range indicator on meter face. Size. $51 / 4 \times$ $23 / 4 \times 61 / 2$. With batteries and test leads. Imported.
99 99 H 5076 Shpg. wt., 4 lbs .

Net 19.95

## SPECIFICATIONS

Ranges: $D C$ O-.25-2.5-10-50-250-1.000 V, 0 - 125-1.25-5-25-125-500 V. AC 0-3-10.50-250-1.000 V.. 0-1.5-5-25-125-530 V. volt. DB: 20 to 81.5 in 10 ranges. DC Current: 0.50-100 $\mu$ a; $0.2 .5-25-50-250$. $500 \mathrm{ma}: 0.5$. 10 amps. Resistance: $0.5 \mathrm{~K}-10 \mathrm{~K}-100 \mathrm{~K}-1 \mathrm{Megohm}$. Built. in series capacitor.


# SR LAFAYETTE Test Equipment <br> <br> Top Quality Instruments <br> <br> Top Quality Instruments Compare Our Prices - Our Features Compare Our Prices - Our Features DELUXE VTVM DELUXE VTVM WITH GIANT 61/2" METER WITH GIANT 61/2" METER <br> - 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 giant $61 / 2^{\prime \prime}$ easy reading 400 uA meter. 11 megohm input resistance. AC RMS voltages may be read directly up to 1500 volts and resistance from 0 to 1,000 meg. ohms 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 $1 \%$ multipller resistors. SPECIFICATIONS: DC VOLT. METER 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. DÉCIBEL RANGES: -10 to +5 , +6 to +25 , +26 to +45 db . Response: 30 cDs to above 5 Mc . OHMMETER RANGES: 0 to 1000 megohms in 5 overlapping ranges. ZERO CENTER VOLTMETER RANGES: $0-1.5,15.75,150,750$ volts. Com. plete with $11 / 2 V$ battery, instructions, and 3 probes: Common, $A C$ volts/ohms and OC volts probe. Size $7 \mathrm{i} / 2 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 5^{\prime \prime} \mathrm{D}$. For 110.120 V 60 cycle AC. Shpg. wt., 7 lbs.
38 H 0101w
Net 29.95
38 H 0103 Accessory RF Probe 1 lb. 3.95
38 H 0106 H.V. Probe. Extends range to 30,000 V. 1 Ib. Net 5.65
38 H 1501 Leather Case for VTVM, 1 ib.................................... 2.95
99 H 6257 Replacement Battery
Net 14

## DELUXE TRANSISTOR ANALYZER KIT



## ACCURATE 6-IN-1 TESTER

1. In-Circuit and Out of Circuit Transistor Checker (Including Power Types).
2. Diode and Rectifier Checker
3. Signal Generator
4. Battery Tester
5. Voltmeter
6. Milliammeter

Lafayette's 6-in-1 Transistor Analyzer is a tester capable of testing transistors of all types including power types. The in-circuit test provides an actual performance check. Externally the transistor is checked for leakage on a multi-colored scale and for beta gain in 3 ranges up to 200 . Makes trouble shooting transistor radios easy by supplying a 5 kc test signal with harmonics for checking the RF, IF, and AF circuits. This signal can also be coupled to an oscllloscope for a visual circuit function test. Also checks the condition of diodes and rectifiers. Features a voltmeter for testing transistor radio batteries. This analyzer can check current drain up to 80 ma . Complete with test leads and step-by-step lliustrated instructions. Black case and anodized aluminum front panel. $67 / 8 \times 53 / 6 \times 2 \%{ }^{\prime \prime}$. Shpg. wt., $31 / 2$ lbs. Less batteries.
19 H 0901
Net 13.95
$11 / 2$ volt Battery (2 required)

## Tube Testers and CRT Rejuvenators sRAFAYETTE for accurate and dependable testing <br> Test Equipment

## NEW! COMPACT, PORTABLE LAFAYETTE TUBE TESTER

Tests All Modern Tubes Including the New.

- Novars
- Standard RCA 10 Pins

Nuvistors

- Magnovals
- Compactrons

Only

# 2795 <br> U.S.A. 

- Comes Housed in a Beautiful Portable Carrying Case With Slip-On Cover
- Accurate, Highly Damped Meter Movement

A deluxe, compact tube tester designed and priced to meet the needs of the hobbyist, experimenter, or serviceman in the fieid Features a genuine cathode emission testing circuit which tests over 1800 tube types including 7 and $9 \cdot$ pin miniatures, new T-9 types, octals, loctals, compactrons, nuvistors, and novars. A neon indicator instantly shows filament continuity, shorts, and leakage between all tube elements. Employs an accurate, highly damoed meter movement with sealed air-damping chamber which clearly shows the tube condition on a two color "BAD.?.GOOD" scale Meter also has $0-100$ scale for matching tubes, and a special


- Checks For Shorts And Leakages Between All Elements And Indicates The Quality (Emission) Of All Tubes
scale for diode checking. New improved circuit provides tube testing by means of three rotary-type switches in place of the usual one-at-a-time slide switches. A special extended clip lead is bult-In for testing tubes with top caps. Convenient 7 and 9 -pin tube straighteners are permanently mounted on the front panel. Its small size and light weight makes the unit an ideal portable tester. Housed in a wood carrying case with grey leatherette finish and removable top cover, Size: $81 \nless, x 3 \times 101 / 2^{\prime \prime}$. For $110-120 \mathrm{~V}$., 60 cycles AC. Shpg. wi., 5 lbs.
38 H 0111
Net 27.95



## LAFAYETTE FILAMENT CONTINUITY TUBE CHECKER

- Compact, Ideal For Tube Caddy

Small and compact as a cigarelte 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 electrical 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: $4 \times 3 \times 142^{\prime \prime}$. Shpg. wt. 12 oz. Imported.
99 H 5016
Net 1.69


No Money Down

## DELUXE LAFAYETTE CRT REJUVENATOR TESTER

A complete poriable picture tube tester and rejuvenator. It checks and corrects most black and white and color picture tubes without removing them from the set. The unit will perform the following five functions: 1) Checks for shorts or leakage between elements; 2) Checks cathode emission; 3) Predicts useful tube liff: 4) Repairs inter element shorts and 5) Restozes brightness to old CRTS. The large $41 / 2^{\prime \prime}$ meter provides legible readings at a glance. Selector switch provides a choice of four
filament voltages: $2.5,6.3,8.4$ and 12.6 vac. Supplies HiG, and $G_{2}$ and $L O G_{2}$ volt ages. Checks and corrects each gun of color tubes separately. Includes front panel neon short Indicator and three additional tube socket adapters for $110^{\circ}$ deflection type lubes. Handsome leatherette covered case with detachable cover. Size: $43 / 4 \times 71 / 2 x$ 1312 . For 105.125 v., 60 cycles AC. Im. ported. Shpg. wt., 9 ibs. 99 H 5018 \$5 Monthly

## Best Selling Signal Generators

# deluxe new Lafayette genometer 

SEVEN SIGNAL GENERATORS IN ONE

(1.) R.F. Signal Generator for A.M.
(4.) Bar Generator
(2) R.F. Signal Generator for F.M.
(5.) Cross Hatch Generator
(3.) Audio Frequency Generator
(6.) Color Dot Pattern Generator
(7.) Marker Generator

A versatile all-inclusive Generator which provides all the outputs for servicing: AM Radio, FM Radio, Amplifiers, Black and White TV, Color TV. SPECIFICATIONS: RF Signal Generator-Prouldes complete coverage for AM and FM alignment. Generates radio frequencies from 250 KC to 45 MC on fundamentals and from 35 MC to 120 MC on powerful harmonics. Cross Hatch Generator-WIII prolect a cross-hatch pattern on any TV picture tube. The pattern will consist of non-shifting, horizontal and vertical lines interlaced io provide a stable cross-hatch effect. Variable AF Generator-Provides a fixed 400 cvele sine-wave or a variable $300-20.000$ cycle peaked wave audio signal. Dot Pattern generator-The dot pattern projected on any Color TV picture tube enables you to adjust for prover color converpence. Bar Generator-Projects an actual bar pattern of 4.16 horizontal bars or 7.20 vertical bars on any TV receiver screen. Marker Generator-Provides 9 most frequently needed marker points $\mathbf{~} 262$ KC, 456 KC. 600 KC. $1000 \mathrm{KC}, 1600 \mathrm{KC} .2500 \mathrm{KC}, 3.579 \mathrm{MC}$, $4.5 \mathrm{MC}, 10.7 \mathrm{MCt}$. Complete with shlelded leads and operating instructions. Size: 10Wx $7 \mathrm{~Hz} 5 \mathrm{y}_{4}{ }^{\circ} \mathrm{D}$, Shpg. wt.. 7 lbs .
38 H Oliow \$5 Monthly
Net 39.95

## LAFAYETTE SINE/SQUARE WAVE GENERATOR

\author{

- Frequency Range- <br> Sine Wave: $20-200,000 \mathrm{cps}$ in 4 Bands, Square Wave: $60-30,000 \mathrm{cps}$ <br> - Etched Circular Vernier Dial
}

Especially designed for radio-TV servicemen, HI-FI fans and students who require a dependable sine and square wave generator at low cost. An outstanding instrument

- factory wired, tested and callbrated. Among its many applicatlons 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 consist of a frequency range of 20 cps to 200,000 cycles in 4 bands. A large easy-to-read and set elched dial (vernier tuned) adds a professional quality touch. Variable attenuator adjusts amplitude of output signal. A full wave power supply 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 mountings protect components. Complete with instructions and lest leads. For 117 V $50 / 60 \mathrm{cps} A C$. Size: $101 / 2 \mathrm{Wx} 71 / 2 \mathrm{Hx} 53 / 4{ }^{\prime} \mathrm{D}$. Imported. Shpg. wt., 10 lbs.
99 H 5014 \$5 Monthly


## SPECIFICATIONS

Frequency range: Sine wave; $20-200,000 \mathrm{cps}$ in 4 bands. Square wave- 60.30 , 000 cps. Output Veltage: Sine: $7 V$ RMS: Square 7 V . P.P. Output Impedance -$0-5000$ Ohms. Frequency Accuracy: $\pm 3 \%$. Distortion: Less than $2 \%$.

## LAFAYETTE RF SIGNAL GENERATOR



- Factory Calibrated and Tested
- Dual Output RF Terminals
- Six Bands: 120 KC 260 MC
- Dial Calibration $\pm 2 \%$
- Separate Variable Audio Output
- Etched $41 / 4^{\prime \prime}$ Circular Vernier Dial
Stable, wide-range signal generator engineered to fill the need for an accurate low cost service instrument. The deficate oscillator coils and tuning assembly are factory mounted and adjusted for optimum performance. Can be used for IF-RF alifnment, audio signal tracing of TV, FM and AM sets, TV linearity checks, and 400 cycle audlo testing. Also serves as a marker generator when used with a suitable sweep generator. Incorporates a large $4 \mathrm{~K} 4^{\pi^{\circ}}$ etched circular vernier dial for easy, accurate frequency adjustments. Provides a fundamental frequency output of 120 KC - to 130 MC in 6 bands plus a calibrated harmonic output of 120 mc to 260 MC . Built-in audio oscillator operates at 400 KC 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 flexibility. High output and tuning dial calibration of $\pm \mathbf{2 \%}$. Imported. 99 H 5015 Shpg. wt., 9 lbs.

Net 27.95

## SPECIFICATIONS

Full frequency range: 6 Fundamental bands- $120-320 \mathrm{Kc} 320-1000 \mathrm{Kc} .1-3.5 \mathrm{MC}$, 3.2.11 MC, 11-38 MC, 36-130 MC, One harmonle band 120.260 MC. Frequency Accuracy: $\mp 2 \%$. Audio Output: to 8 volts. (Vernier tuned) HIghtow RF output Terminals. Power Requirements: $105-125 \mathrm{VAC} 50 / 60 \mathrm{Cps}$., 12 Watts. Attractive gray wrinkle steel case with leather carrying handie. Complete with test leads. Slze: $7 \mathrm{H} \times 101 / 2 \mathrm{~W} \times 5 \mathrm{H}^{\circ} \mathrm{D}$. Shpg. Wt., 9 lds.

# Power Supplies,Substitution Boxes SREAFAYETTE 

# LAFAYETTE SOLID-STATE DC POWER SUPPLY/BATTERY ELIMINATOR 



- For Use As A Serviceman's DC Power Supply
- For Use As A Battery Eliminator For Transistor Radios
Essential Instrument for repair of solld state equipment requiring constant low voltage. Doubles as a convenient battery ellminator for transistor radios. Highly filtered circuitry provides four output voltages: $4.5 \mathrm{v} ., 9 \mathrm{v}$. 6 v and 12 v . Voltage selection is simplified with front panel slide switches. Features transformer power supply and pllot light. For 117 VAC . Overall size: $51 / 8 \mathrm{~W} \times 278 \mathrm{D} \times 21 / 2^{\prime} \mathrm{H}$. Imported. Shpg. wt., 11/4 lbs. 99 H 5074

Net 7.95

## LAFAYETTE TRANSISTORIZED DC POWER SUPPLY



- AC Ripple Less Than .025\%
- Transistorized Regulation Circuitry
Provides continuously variable voltage and current with tow ripple. Excellent for operation of transistorized devices. Panel meter reads either current or voltage. SPECIFICA-TIONS-Output voltage: $0-20$ volts DC (conIInuously variable). Output Current: $0-20 \mathrm{MA}$, 0-200 MA (in two ranges). AC Ripple: less than $.025 \%$. Power Input: $110-120$ volts, $50.60 \mathrm{cps}, \mathrm{AC}$. Fully fused. Slize: $61 / 4 \times 11 / \mathrm{ex}$ 33/4". Imported. Shpg. wt., 4 lbs. 99 H 5068

Net 16.95

## 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 $36^{\prime \prime}$ red and black test leads and alligator clips. Size $41 / 4 x$ $25 / 2 \times 5 \%$.. Shpg. wt., $11 / 2$ lbs. Imported.
99 H 5020
Net 2.95
RESISTANCE SUBSTITUTION BOX


- 24 Resistance Values
- Two Ranges-Low:15-10K Ohms. High:15K-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-10 ohms (1 watt resistors). HIgh: 15 K ohm-10 Megohms ( $1 / 2$ watt resistors). Two rotary switches (12 steps each) selects 24 separate resistances. Size: $43 / 6 \times 2$ 有 $\times 1$ \%". Imported. Shpg, wt., $11 / 2 \mathrm{lbs}$.
99 H 5021
Net 3.95
NEW! LAFAYETTE RESISTANCE-CAPACITY SUBSTITUTION BOX

- 24 Resistance Values
- 9 Capacitance Ranges

Versatile service instrument...enables rapid substitution of a wide range of resistor or capacitor values. Resistance values in two ranges ( 12 steps each). Low: 15 ohms to 10 K ohms; High: 15 K ohms to 10 Megohms. $\pm 10 \%$ accuracy. Capacitance ranges are: $.0001 ; .0010 ; .0022 ;-0047 ;$. $010 ;$.022; . 047 ; .10; . 22 MFO (rated at 400 volt working capacity). Size: $51 / 8 \times 23 / 4 \times 13 / 4 \mathrm{H}$. Imported. Shpg. wi.. 1 lb . 99 H 5075

Net 4.95

Test Equipment

## LAFAYETTE IN CIRCUIT CAPACITOR CHECKER



- Checks Capacitors in Circuit
- Magic Eye Indicator
- Wide Range 10 MMF to 2000 MMF Allows you to check most capacitors from 10 mm 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 condition. Checks coupling, by-pass, filter 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: $7 \%, \mathrm{~W} \times 5 \mathrm{H} \times 4 \%$, ${ }^{2}$. Imported. Shpg. wt. 5 los. 99 H 5022

Net 14.95

## KINECOLOR CIRCUIT ANALYZER



- Instant Hook-up for Analyzing, Testing and Adjusting Color CRT's and Associated Circuitry Under Actual Operating Conditions

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 tests are easily performed using single pin jachs provided on the panel. Simplifies purity adjustments, convergence, gray-scale and tracking, voitage test, current measurement, and wave form observations. Sturdy compact unit is fully insulated and enclosed. Complete with detalled procedure booklet. $61 / a x$ $33 / 4 \times 2^{\prime \prime}$. Shpg. wt., 6 lbs.
38 H 1401


# Power Supplies, Battery Chargers, Meter Rectifiers 

## EICD

Precision Test instruments...
Available in EasyTo. Build Kit Form or Factory Wired and Tested


## EICO 1078-K METERED AC POWER SUPPLY KIT

## - 0-140 VAC Variable Output

- Separate Output Ammeter and Voltmeter

Lab-type supply compensates for power Hne variations. $0-140$ VAC adjustable output from 120 V. AC input. No waveform distortion. Separate ammeter and voltmeter permit simultaneous monitoring of voltage and current. Ammeter has dual ranges: $0.2 .5,0.7 .5$ amps); ranges can be switched under test. Accuracy, $\pm 3 \%$ F.S. $81 / 2 \times 51 / 4 \times 7$ ". Steel case. For $105-125 \mathrm{v} .60$ cycles AC. Shpg. wt., 16 tbs. 38 H 2697 Model 1078 Kit _...Net 49.95 Model 1078.W. As above, but factory wired. 38 H 2698 \$5 monthly Net $69.95^{\circ}$

# EICO 1030 REGULATED POWER SUPPLY KIT 

- Regulated B+ Power 0-400 Volts DC, Continuously Variable

Lab-type supply provides continuously variable $0-400$. VOC $B+$ and 0.150 VOC bias voltage fully regulated with less than 3 mv rms ripple. Current: 0.100 ma continuous, 0.200 v ; 0.150 ma continuous, $200-400 \mathrm{v}$. Filament voltage: 6.3 vac @ $3 \mathrm{amps} ., 6.3 \mathrm{vac}$ center tapped., 12.6 amps @ 3 amps. Two monitorIng D'Arsonal panel meters. For 105-125 vac, $50 / 60 \mathrm{cps} .81 / 2 \mathrm{H} \times 121 / 2 \mathrm{~W} \times 9{ }^{-10} 0$. Shpg. wt., 25 lbs.
38. N 2714W Model 1030 Kit __........Net 59.95 Model 1030 W -As above but factory wired. 38 H 2715 WX \$5 monthly

Net 99.95

## EICO 1020 TRANSISTORIZED DC POWER AND BIAS SUPPLY KIT

- 0.6, 0-30 VDC Variable Output Voltage
Continuously variable output voltage to 30 volts monitored by a dual range voltmeter (0-6, $0-30$ VOC). Ideal for servicing both tube and transistor gear. Maximum continuous output; 150 ma from $0-12 \mathrm{~V}$.; 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 fliter circuit. Fuse protects unit against overload. Rugged steel case, 4 Wx 5 Hx $51 / 2^{\prime \prime} \mathrm{D}$. For $105 \cdot 125$ v., 60 cycles AC. Shpg. wt., 5 lbs.
38 N 2695 Model 1020 Kit _net 25.95 Model 1020 W -As above but factory wired. $38 \mathrm{H} 2696 \$ 5$ monthly


EICO MODEL 1060K LOW RIPPLE 6.12 VOLT BATTERY ELIMINATOR AND CHARGER KIT
This versatile rugged unit incoroprates an extra low-ripple filter circuit. Ideal for latest all-transistor 6 or 12 volt equipments and anv conventional ones using vacuum tubes. Selection of voltape range automatically provides anpropriate current range. Fused transformer primary. Continuous voltale adjustment with Variac. 2 DC ranges and dual-ranse ammeter for accurate readings. Ranges: hish range $=0-16 \mathrm{~V}$. $1.5 \%$ rionle at $2 \mathrm{amps} .2 \%$ at 6 amos: 6 amos continuous, 12 amps intermittent: low range $=0-8 \mathrm{v}, 0.3 \%$ riople at 2 amos. $\mathbf{1 . 5 \%}$ at 10 amos. 10 amos continuous. 20 amos intermittent. For $105-125$ volts $50 / 60$ eycle a.c. All components and instructions incluted. $83 / 3 \times 104 / 2 \times 73 / 4$ ". Shpg. wt., 19 lbs .
38 H 2705 Kit $\$ 5$ monthly $\qquad$ Net 42.95 Model 1060. As above, but factory wired and tested.
38 H $2706 \$ 5$ monthly $\qquad$ Net 52.95 Model 1050K 6 and 12 V Battery Eliminator Kit. Same as Model 1060 K less AC ripple filter circult. Shpg. wt., 15 lbs. 38 H $2707 \$ 5$ monthly Net 32.95
38 H 2708 Model 1050. Factory wired and tested $\qquad$ Net 42.95 EICO MODEL 1064K 6-12 VOLT

## BATTERY ELIMINATOR AND CHARGER KIT

- Ideal for Transistor, Tube, "Hybrid" Auto Repair 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 riople: 0.3\% @ 2 amperes. For $105-125$ volts, $50 / 60 \mathrm{c}$; Size: $81 / 2 \mathrm{H} \times 53 / 4 \mathrm{~W} \times 72 / 2^{\circ} \mathrm{O}$. Shpg, wt., 14 lbs.
38 H 2703 Kit $\$ 5$ monthly Model 1064. As above, but factory wired and tested.
38 N 2704 \$5 monthly
214 Lafayette Cat. No. 680
Net 59.95


## ELECTRO MODEL EC-2 0-16 VOLT DC POWER SUPPLY

- Continuously Adjustable Output
- Very Low Ripple Current

Versatile, compact DC power supply. Provides wefl filtered, 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 v for each amp of load current change. Steel cabinet, $43 / 8 \mathrm{x}$ $103 / 4 \times 61 / 2^{2}$. For $117 \mathrm{v}, 50 / 60 \mathrm{cps}$ AC. Shpg. wt., 11 lbs.
38 i 3311 \$5 monthly
Net 51.25


## CONANT METER RECTIFIERS

Series
500
160 $\frac{\text { Series }}{160 \mathrm{C}}$

Copper oxide rectifiers for meters and relay circuits. Max. AC input 5 volts. DC reverse voltage 2.25. Frequency response: Series 500 0-1 MC, others 0.75 MC . Mounting: series $5006-32$ stud. series $160 \$ 2$ Screw, series 160 C fuse cllp. All with 3 leads. Av. shpg. wt., 502.


## High Accuracy Simpson AC/DC VOMS

## Model 260-5 5800

No Money Down

Model 270-3 $70^{00}$
No Money Down

Model 260.5P 0300
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

Provides almost $100 \%$ protection, virutally eliminating burned out meters, resistors and bent pointers. Reset button pops out to Indicate overload. Ideal for use with unfamiliar equipment. 20,000 ohms/volt DC sensitivity, $5000 \mathrm{ohms} / \mathrm{V}$. AC. Ranges: DC niv, 0-250; AC and DC volts, 0-2.5-10-50-250-1000-5000; AF output V. 0-2.5-10-50-250 DC $\mu \mathrm{a}, 0.50$; DC ma, $0.1 \cdot 10 \cdot 100 \cdot 500$; DC amps., $0.10 ; D 8,-20$ to -50 in 4 ranges; resistance, 0.20 megs in 3 ranges. Accuracy, DC volts $\pm 2 \%$ F.S.; AC volts, $\pm 3 \%$ F.S. Housed in bakelite case, $51 / 4 \times 7 \times 31 / \%^{\prime \prime}$. With battery and test leads. Shpg. Wt.. 6 ibs. 38 H $4847 \$ 5$ Monthly Net 88.00
MOOEL 260.5PRT. Same as above, but with "roll top" satety case. Shpg. wt., 9 lbs. 38. H 4848 \$5 Monthly Net 94.00
MOOEL 260-5-Famous selling, low cost, highly reliable $A C / D C$ VOM-same deluxe features as 260.5 P but without overload protection. With leads and battery. Shpg. wt., 5 lbs.
38 it 4859 \$5 monthly
Net 58.00
MODEL $260-5 R T$--Same as Model $260-5$ but with roll top case. Shpg. wt., 9 ibs.
38 H 4857 \$5 monthly
. 64.00
MOOEL 260.5 M -Same as Model 260-5 but with mirrored scale. Shpg. wt., 5 lbs.
38 H $4860 \$ 5$ monthly $\qquad$ MODEL $260-5$ MRT-Same as Model $260-5 R T$ but with mirrored scale. Shpg. wt., 5 tbs. 38 H $4858 \$ 5$ monthly Net 66.00
MOOEL 270-3-Same as Model 260-5 but with mirror scale, unife edge pointer, self shielded annular meter. Higher accuracy $\pm 1.25 \%$ DC, $\pm 3 \%$ AC. Dimensions: $51 / 4 \times 7 x$ $31 / \mathrm{m}^{\prime \prime}$. Shpg. wt.. 5 lbs. 38 H $4804 \$ 5$ Monthly Net 70.00
MOOEL 270-3RT-Same as Model 270.3 but with roll top case. Shpg. wt., 5 lbs. 38 H $4805 \$ 5$ Monthly Net 76.00


## ACCESSORIES FOR 260 AND 270 SERIES

SIMPSON 92 PAGE BOOK "1001" USES OF THE 260 SERIES VOM. A MUST FOR EVERY STUDENT, TECHNICIAN, AND ENGINEER. WT., 1 is. 38 H 4861

1 EVERY STUDENT, IECHNICIAN, AND ENGINEER. W Net. 50

## PROBES, LEADS, AND CARRYING CASE

| Stock No. | Medel Mo. | For Model | Description | WI. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 38 H 4806 | 1818 | 260 \& 270 Series* | Leather Case | 2 | 10.00 |
| 38 H 4807 | 7500 | Leads | Leadst | 1 | 2.50 |
| 38 H 4808 | 0509 | 260 \& 270 Series | 50 KV HV Probe | 1/2 | 15.00 |
| 38 H 480 s | 0508 | 260 \& 270 Series | 25KV HV Probe | $1 / 2$ | 15.00 |
| 38 H 4852 | 0152 | 312 270 | RF Probe | 1/2 | 10.00 |
| 38 H 4853 | 0155 | 312 | 30 KV HV Probe | $1 / 2$ | 15.00 |

ADD-A-TESTERS FOR 260 and 270 SERIES AC/DC VOMS
Add unlimited versatility to all Simpson 260 or 270 Series AC/DC VOMS made since 1947 except ROLL TOP models. Tums these VOM'S into 9 different type testers. Shpg. wt., 2 lbs.

| STOCK NO. | MODEL | TYPE | NET |
| :---: | :---: | :---: | :---: |
| 38 H 4810 | 650 | Transistor Tester | 38.00 |
| 38 H 4811 | 651 | DC VTVM | 45.00 |
| 38 H 4812 | 652 | Temp. Tester | 43.00 |
| 38 H 4813 | 653 | AC Ammeter | 26.00 |
| 38 n 4814 | 654 | Audio Wattmeter | 28.00 |
| 38 H 4818 | 661 | DC Ammeter | 28.00 |

## MODEL 312 VTVM

- Large Easy To Read 7 「 Scale
- Input Resistance 16 Megohms


No Money Down


Wide-range VTVM for lab or shop use. Large easy-to-read seven-inch scale designed for accurate testing of today's solid state circuitry. Features $1 / 2$ volt $D C$ range and 16 megohm input resistance for minimum circuit loading. Offers $3 \%$ accuracy on AC and DC. Movable handle also serves as a stand for tester. Ranges: DC volts, $0-0.5-1.5-5$. 15-50-150-500-1500. AC volts, (rms) 0-1.5-5-15-50-150-500-1500. AC p-p volts, 0-4-14-40-140-400-1400-4000. Frequency response $\pm 3 \%$ from 15 cps to 3 MC on all AC voltage ranges through 150 volts. Size: $73 / 4 \times 63 / 4 \times 31 / 4 \mathrm{~m}$. For $105-125 v 50 / 60$ cycles AC. With AC ohms/ DC probe. Shpg, wt., 7 lbs. 38 H 4851 \$5 Monthly

Net 90.00

Small, palm sized VOM gives you the sensitivity and range selection of a full sized meter. $20,000 \mathrm{hmm} / \mathrm{v}$ DC; $5,000 \mathrm{hm} / \mathrm{v}$ AC. Accuracy: $3 \%$ DC, $4 \%$ AC. Ranges: DC and AC volts, 0-2.5-10.50-250-500-1000; Ohms: $\mathrm{Rx}-1 \cdot 10 \cdot 100 \cdot 1 \mathrm{~K} \cdot 10 \mathrm{~K}$; DC current: $0.50 \mu \mathrm{a}$, 0.1.10.100-250.500 ma; DB: -20 to +50 volts in 4 ranges. With battery and test leads. Shipg. wt. 1402.
38 H $4862 \$ 5$ Monthly Net 50.00
ACCESSORIES FOR 160
38 M 4863 Carrying Case. Shpg. wt., 6 oz . Net 9.50
38 H 4864 Accessory Leads (Probe Hip). Shpg, wt., 308. $\qquad$ Net 2.75

## Test Equipment for Servicemen



## DELUXE MODEL 1076 TV ANALYST

 - For Checking Every Stage $329^{95}$In A Color or Black and White TV Set

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 direcly on TV screen. flying spot Scanner reproduces standard test pattern. Provides FM modulated 4.5 MC sound channel; composite sync signals adjustable in amplitude up to 50 volts; sweeps circuit driving pulses to check complete output circuit. Generates adjustable burst and crystal-controlled colop signals; white dot, crosshatch. color-bar patterns and rainbow color display for convergence adjusiments, sync, hue controt and demodulator alignment. 400 cps tone signal. May be modulated 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 silides. For $110-120 \mathrm{~V}, 60$ cycles AC . $17 \times 10 \mathrm{y} / 4 \times 10^{\prime \prime}$. Shpg. wt., 29 lbs. 38 H 1709 WX $\$ 17$ Monthly

Net 329.95

Model 1242
$99^{95}$
No Money
Down


TV PORTABLE COLOR GENERATORS

nEW MOOEL 1242 SOLID STATE COLOR GENERATOR. Produces sta. tion quallty waveforms for quick easy convergence and color adjustments. High stability over wide temperature ranges. Features dot, crosshatch, horiz. and vert. lines and color pattems on chan. nels 3 and 4. Over $5000 \mu \mathrm{VF}$ output, buill-in gun killer with Miniclips for easy connection. For $105-125$ VAC, 60 cycles, size: $2 \times 63 / 4 \times 93 / /^{\prime \prime}$. Shpg. wt., 3 lbs. 38 H $1721 \$ 5$ Monthly

Net 99,95
OELUXE MOOEL 1245 COLOR GENERATOR. A completely transistorized portable color generator designed 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 killer threshold control. Features instant warmup; RF output on channels 3, 4, or 5, without removing cabinet. Provides crystalcontrolled rainbow color display, dot pattern, crosshatch, horizontal and vertical lines. Small-step crystal controlled count circuit gives greater rellability and stability of color, dots and lines. Dots are smallest possible with adjustable brightness. Horizontal lines are just one scanning line thick. Includes chroma level control for sync trouble shooting. With RF cable. for $105-125$ v., 60 cycles AC. Size: $2 \% \times 81 / 4 \times 87 / 9^{\prime \prime}$. Shpg. wt., 4 lbs. 38 H 1716 WX $\$ 7.50$ monthty


## IN-CIRCUIT TRANSISTOR RADIO ANALYSTS

mODEL 970 DELUXE AM-FM RADIO ANALYST. In-circuit transistor tester, Out-of-circuit test reads Beta directly on meter scale. Built-in power supply with 5 amp output, low ripple; output voltage 1.5 to 15 volts in 81.5 volt steps, plus 6.8 and 13.6 volts. Either positive or negative ground. Bias continuously variable to 15 volts. Vernier tuning AM/FM Generator outputs: 250 Kc to $2000 \mathrm{Kc} \mathrm{AM}_{\mathrm{i}} 10 \mathrm{Mc}$ to 11.4 Mc AM or $F M_{;} 88$ to 108 MC FM. Fixed Frequency Audio Output at 400 cycles. For 105-125 volts $A C, 50 / 60$ cycles. Size: $151 / 2 \times 84 / 2 \times 99^{\prime \prime}$. Shpe. wi, 22 lbs.
38 H intiwx $\$ 10$ Monthly ......... Net 199.95
Model 950 AM Radio Analyst. Similar to Model 970 but for checking AM receivers. Power supply delivers 150 ma at 1.5 -12 volts. RF generator tunes from $250-2000$ kc. $105 \cdot 125 \mathrm{~V} / 60 \mathrm{cps}$. Size: $121 / 8 \times 73 / 4 \times 47 / \mathrm{s}^{\prime \prime}$. Shpg. wt. 6 lbs.
38 Hi 1710wx $\$ 5$ Monthly
Net 99.95

## Technician and Engineer

## MODEL 606 "DYNA-QUICK" TUBE TESTER

Only<br>No Money Down 10-pin tubes and 12 -pin Compactrons Voltage Regulators, Thyratrons

Lightweight, fast emission type tube tester. In addifion to all standard TV and radio tube types. the model 606 tests Nuvistors. the new 10 -pin tubes and 12 -pin compactrons. The Model 606 also tests voltage reg. ulators. thyratrons, many industrial types and European Mi-Fi tubes. Checks for all shorts, rrid emission, leakage and gas and tube quallity 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 leatherefte-covered carrying case. Size $81 / 2 \times 11 \times 41 / 2^{\prime \prime}$. Shpg, wt., 6 lbs. 38 H 1714 \$5 Monthly

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 voltage control; automatically timed rejuvenation voltage avoids accidental damaze to tubes. The voltage to Grid 1 and Grid 2 are also continuously adjustabie. Has scuff-free, shockproof vinyl ease, book type tube chart. pilot light and large easy to read meter. $113 / 2 \mathrm{x}$ $101 / 2 \times 41 / 2^{\prime \prime}$. For 117 volts $50 / 60$ cycles AC. Wt., 6 lbs., 13 oz.
38 H 171 aw $\$ 5$ Monthly
Net 19.95

## MODEL 707 "DYNA-QUICK" MUTUAL CONDUCTANCE TESTER <br> MODEL 1450 SCOPE WITH INTERMITTENT ANALYZER

\author{
Only 18995 <br> No Money Down <br> - Tests All New And
Ord Type Tubes

- Virtually Obsolescent
Proof
}

The deluxe "707" measures true dynamic mutual conductance in seconds. Tests all new type tubes including nuvistors, 10 -pin types, 12-pin compactrons, hybrids, European types. voltage regulators, thyratrons etc. and provides for future new sockets. Checks for all shorts, prid emission, leak. age and gas. Large $41 / 2^{\prime \prime}$ meter with easy. to-read "Replace-Good" scale for quick life tests. Checks each section of multi-krid tubes separately. Lists commonly used tube types on panel with complete listing of cover reference chart. Includes 7, 9, and 10-pin tube straighteners and handsome leatherette-covered carrying case. 117V $50 / 60 \operatorname{cDS} A C$. Size: $161 / 8 \times 153 / 4 \times 57 / 8$. Shpr. wt. 21 lbs.
38 in $1715 \mathrm{wx} \$ 10$ Monthly
Net 189.95


Only - Features Automatic $279^{95}$<br>No Money Down Intermittent Signal Tracing Without Your Presence

Features a unique time saving intermittent analyzer that automatically gives and holds a visual indicatlon 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. $\pm 3 \mathrm{db} .1$ $\cos$ to 400 kc . Sensitivity: vertical. 50 mv rms/inch; horizontal, 0.6 volts rms/inch. Sweed: 5 cps to 500 kc . Synchronization: automatic. + and -INT. 60 cps. EXT. $171 / 4 \mathrm{Dx} 133 / 4 \mathrm{Hx} 81 / \mathrm{c}^{\circ} \mathrm{W}$. For $110-120 \mathrm{~V}$., 60 cycles AC. Shpg. wt., 27 lbs. 38 H $1723 \mathrm{wx} \$ 13.50$ Monthly .... Net 279.95

# A AmpRobe "SNAP-AROUND" AC VOLT-AMMETERS ROTARY SCALE AMPROBES 



RS-1-2-3
IUNIORS
Amprobe meters measure $A C$ current and $A C$ voltage without breaking the circuit. To measure current, snap the trigger-operated jaws around single conductor. Meter instantly indicates correct reading. Use fumished safety leads for voltage measurements. Rotary scale shows only scale in use. Accurate to $\pm 3 \%$. Designed for 60 cycle circults. Have impact-proof cases, unbreakable plastic magnifying meter window, self-shielded meter movement. Complete with top-grain cowhide leather carrying case and voltage test leads. Shpg. wt., 2 lbs.

## AMPROBE RS. 1

This meter features six ranges: AC AMPS: 0-5-15-40-100, AC. Volts 0-150-600. Measures
 lenath $21 / 4^{\prime \prime}$. Includes genuine top-grain cowhide leather case.
38 H $1301 \$ 5$ Monthly $\qquad$ Net 43.85

## AMPROBE RS-2

Same as model RS-1 except has $0-150-300$ volts $A C$ range.
38 H $1302 \$ 5$ Monthly
Net 43.05

## AMPROBE OELUXE RS. 3

Extra versatile probe also includes $0-2000$ ohm range. 25 ohms midscale. $A C$ Volts ranges 0.150-3C0-600. AC Amps 0-5-15-40-100-300. Includes case, ohmmeter, battery attachment and voltmeter leads.
38 H 1303 \$5 Monthly
Net 57.50
AMPROBE JUNIORS
Lighter duty, smaller versions of standard Amprobes. Will measure up to $1 / 2^{\prime \prime}$ dia. conductors $43 / 4^{\prime \prime}$ long. $136^{\prime \prime}$ thick, $21 / 2^{\prime \prime}$ wide. $1,8^{\prime \prime}$ long scale. Rugged construction with ribbed, non-slip case. For 60 cycle AC. Shpg, wt., 1 lb .

| STOCK NO. | MOOEL | AC AHPS | AC VOLTS | NEY PRICE |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 38 H 1305 | Y25 | $0-25$ | $0-125-250$ | 22.50 |
| 38 H 1306 | Y50 | 0.50 | $0.125-250$ | 22.50 |
| 38 H 1308 | Y525 | $0-25$ | 0.150 .600 | 22.50 |
| 38 H 1309 | Y550 | 0.50 | 0.150 .600 | 22.50 |
| 38 H 1310 | Y500 | 0.100 | $0-150-600$ | 22.50 |

38 H 1312 Model Pl-Carrying Case for Amprobe Juniors. Wt., $1 / 2 \mathrm{lb}$.
Net 3:25

# Quality Test Instruments by 

# Famous 630 SERIES HIGH ACCURACY VOM＇s As Iow as 500 －Fused Circuit Prevents Burnouts In Ohmeter Ranges <br> No Money Down ：Large Easy－To－Read $51 / 2$ 

MODEL 630 －Famous Triplett VOM has $52 / 2^{\prime \prime}$ 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 $5000 \mathrm{ohms} / \mathrm{v}$ ．）；Ohms，0．1k－10k－and 0.1 .100 megohms，low reading to 1 ohm ．DC current， $0-60 \mu \mathrm{~A}, 0 \cdot 1.2-12-120 \mathrm{ma}$ and 0.12 amps ．DB，-20 to +75 （ 600 ohm line at 1 mw ）：output v．，0－3－12－60－300－1200，jack with condenser in series with $A C$ ranges．Molded，fully insulated case， $3 / 2,2 \times 52 / 2 \times 71 / 2^{\prime \prime}$ ．With bat－ terles，leads．Wt． 5 lbs．
38 H $7304 \$ 5$ Monthly
Net 58.00
MODEL 630A．Same as 630 ，but with $1 / 2 \%$ resistors and mirror scale．Accuracy， $11 / 2 \%$ OC， $3 \%$ AC．With batteries，leads．Shpg．wt．， 5 lbs．
38 H 7305 \＄5 Monthly
Net 68.00
BURNDUT PROOF MODEL 630－PLK，High quality VUM nas transistorized electronic switching circult to protect meter against overload．Accuracy $2 \%$ DC， $3 \%$ AC． Ranges：DCV，0．25－2．5－10－50－250－1000－5000 at 20 k ohms／v．，ACV．，D－3－10－50－250． $1000-5000$ at $5 k$ ohms $/ \mathrm{v}$ ．DC current． $0-100 \mu A(250 \mathrm{mv}$ ）， $0-1000 \mathrm{ma}$（ 1000 mv ） and 0.10 amps at 250 mv ．DB．-20 to $+75.74 / 2 \times 51 / 2 \times 345^{\prime \prime}$ ．Shpg．wt．， 5 lbs． 38 H 7301 \＄5 Monthly

MODEL 630－NS 200，000 OHMS－PER－VOLT VOM Deluxe VOM featuring 200，000 ohms／volt OC．Rugged $5 \mu$ A 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 v ．$O B,-20$ to +77 in 10 ranges．Current measurements from $0.1 \mu$ a．With batteries，leads． $311 / \mathrm{p} \times 31 / 2 \times 51 / 2^{\prime \prime}$ ．Shpg．wt．， 5 lbs ．
38 H 7302WX \＄6 Monthly
Net 105.00

## ACCESSORIES FOR 630 SERIES VOM

Model 639．N．Black cowhide carrying case．Cover flap snaps back allowing full access to meter without removing case．Shpg．wt．， 2 lbs． 38 H 7317 Net 12.00

No．T－79－127 Replacement leads．Shpg．wt．， 1 lb．
38 H 7320
Net 3.00
MODEL 850 ELECTRONIC VOLT－OHMETER

－Large 7＂Easy －to－Read Scale
－． 5 DCV Range for Transistor Circutts

## $89^{\circ 0}$

No Money Down

Features large 7＂scale plus protection against burnout． 11 Megohm input impedance．Accuracy $\pm 3 \%$ AC／DC．Ranges：DCV，0．，5－1．5－5． 15－50－150－500－1500；ACV（rms），0－1．5－5－15－50－150－500－1500；P－P， 0. 4000 in 7 ranges；Ohms， $0-1000$ megohms in 7 ranges；Frequency range： 15 cps to 3 mc ．Molded black case， $75 / 6 \times 6 \%, 33 / 4$＂，with carry－ ing handle．Complete with $48^{\circ "}$ leads and battery．For $115 \mathrm{vac}, 50-60$ cps．Shog．wt． 7 lbs．
38 H 7315 \＄5 Monthly


Similar to 310 above，except 15 K ohm／yolt AC sensitivity and 600 v ranges instead of 1200 v ．ranges．Features polarity reversing switch and range switch．Shpg．wt．， 4 lbs． 38 H $7314 \$ 5$ Monthly

## MODEL 10 AMMETER ADAPTER



Clamp on type ammeter，plugs into 310C．Jaws clamp around single conductor to measure 0－6－12－30－60 $120 \cdot 300$ amps AC．Shpg．wt．， $31 / 2$ Ibs．
38 H 7307
ACCESSORIES FOR MINIATURE VOMS
MODEL 379－Leather case．Holds 310 and 10.
38 H 7308 Shpg．wt．， 8 oz． $\qquad$ Net 7.50 MODEL 101 LINE SEPARATOR－Divides two conductor cords，increases sensitivity 10 X and 20 X ．For model 10. 38 H 7309 Shpg．wt．， 2 Ibs．

Net 7.50 MODEL No．611．Leads adapt model 10 for use with any vom having 3 volt AC scale at 5000 ohms per volt，such as Triplett 630 series． 38 H 7311 Shog．wt．， 1 lb．

Net 3.00

NEW MODEL 600 BATTERY OPERATED SOLID STATE TVO＊

## ONLY $\rightarrow 00$



## ＊TVO Transistorized Volt Ohmmeter

－FET Amplifier For Improved Temperature Stability
－ 11 Megohm Input Impedance－ $5^{*}$ Meter
Lightweight transistorized Volt onmmeter with the portablity of a VOM and the high input resistance of a VIVM．F．E．T．（Fleld Effect Transistor）circuit is used to attain high input resistance with improved stability．OC Input Resistance： 11 megohms on all ranges except .4 volts and .8 volts（ 2.75 and 3.5 megohms）．AC Input Resistance： .75 megohms minimum．Frequency Range： $15-2 \mathrm{MHz}$ ．DC Volts： 0 －．4－8－1．6－4－8－16－40－160－400－1600．AC Volts： $0-4-8-16-40-160-$ 400－800．Ohms： $0 \cdot 1,000 \cdot 10,000 \cdot 100,000$ and $0 \cdot 10 \cdot 100$ megohms．AC－DC Accuracy：$\pm 3 \%$ ．Size： $31{ }^{\prime \prime}{ }^{\prime \prime} \times 51 / \%^{\prime \prime} \times 61 / 2^{\prime \prime}$ ．With batteries， 3 function probe，DC，AC，ohms．Shpg．wt．， 3 lbs．
38 H 7770 \＄5 Monthily
38 H 7771 Leather Carrying Case for 600

# sencore Professional Quality Test Instruments 

## NEW! MODEL CG 141 DELUXE COLOR GENERATOR



- 5 Standard Plus New Single Dot and Cross Patterns Deluxe, lightweight. color generator provides all the standard patterns, including standard RCA coior bars with chroma control, crosshatch. horizontal and vertical lines for centering rasters and checking overall dynamic convergence plus 2 new patterns; sin. gie dot and single cross. Dot and eross can be centered or moved to any spot on the screen. Also features snap tuning. AC operated and solid-state throughout. Zener regulated power supply. Vinyl covered steel case. For 110 V , 60 cycles AC. $10 \times 9 \times 31 \mathrm{y}^{2}$. Shpg. wi., 9 los. 38 н 5318 wx $\$ 8$ Monthly

Net 149.95

## OTMER SENCORE TEST EQUIPMENT

Model RC121 Component Substitutor. Shpg. wt. 9 libs.
38 i 5303 \$5 monthly Net 39.95 Model S 5137 Sweep circuit Analyzer. Shpg. wt. 12 lbs .
38 i 45315 s5 monthly Net 79.50 Model TR115 Transistor-Dlode Checker. Shpg. ${ }^{\mathrm{wt}} . \mathrm{c} 3 \mathrm{lbs}$. 38 H 5314

Net 24.95

# MODEL CG10 BATTERY OPERATED COLOR BAR GENERATOR 



Portable, easy to use, a mighty midget, yet a giant in performance. All the patterns.. crosshatch, individual vertical, and horizontal lines, and adjustable white dots at the flick of a switch. 14 horizontal and 10 vertical Ulines, interlace control stops dot bounce. Uses standard RCA licensed patterns. Quick warm up time. Solid State design with bat. teries provides. patterns instantly. Rugged
all-steel construction with scuff-resistant vinyl finish. Unusually compact for easy handing on the job, (silghtly larger than a cigar box). Low battery replacement time. Uses 8 "C" cells, not supplied. $10 \times 31 / 4 \times 51 / 2$ " Shpg. wt., 7 lbs.
38 H 5316 Model CGIO $\$ 5$ Monthiy Nat 89.95
99 H 6257 "C" Batteries (8 req.) Net ea. . 14

## NEW! MODEL TR 139

## 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 transisitors. diodes, and rectifiers. Eliminates the need of removing these components from PC board by providing an actual in-circuift check. Gives true $A C$ beta readings, along with measurling the ratio of $A C$ signal on the base of the transistor to that obtained on the collector. Leakage current (Icbo) is read directly on the meter in microamps. Ranges: Beta, 2 to infinity; Icbo, 0 to 5000 microamps. Zener diode regulated power supply. For 115 yolts AC, 60 cycles. Size: $9^{\circ} \times 71 / z^{\prime \prime} \times 6^{\circ \prime}$. Shpg. wt., 9 lbs.
$38 \mathrm{H} 5317 \$ 5$ monthly
Net 89.95



## EMC TEST EQUIPMENT KITS



Mode ison $27^{45}$


Moete Bo2 $27^{4}$
45

MODEL 801 RESISTANCE COMPARATOR CAPACITANCE \& CAPACITY CHECKER KIT. Measures condensers for actual value, leakage, and power factor. Detects in-circuit opens above 50 mmfd shorts, up to 20 mfd , and condensers that are intermittent in operation. Checks capacity values in 4 ranges from 10 mmfd to 5000 mmfd ; 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 be. tween 0.500 VDC . Slze: $10 \times 7 \times 5^{\circ} \mathrm{D}$. Shpg. wt., 7 ibs.
38 H 2405 Model 801 Kit
Net 27.45
38 H 2406 Model 801 Wired $\$ 5$ monthly
Net 43.95
MODEL 802 SIGNAL TRACER ANO GENERATOR KIT. Combination signal tracer and generator. In the absence of a signal it generates its own signal for audio. If or RF testing. Incorporates a noise locator circuit for checking noisy components. Provisions are made for using the instrument as a substitute speaker or amplifier. Audlo Freq., 400 cycles; IF Freq. 455 Kc (Mod.). Complete with demodulator and au. dio probes. $10^{\prime \prime} \times 7^{\prime \prime} \times 5^{\prime \prime}$. Shpg. Wt., 8 lbs. 38 H 2407 Model 802 Kit

Net 27.45 38 M 2408 wired- $\$ 5$ monthly

# (8ce) 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: $0-1.5 \cdot 5$ $15-50-150-500-1500, \pm 3 \%$ of full scale accuracy and input resistance of 11 megohms: $7 \mathrm{rms} A C$ voltages: $0-1.5-5-15-50-150-500$ $1500, \pm 5 \%$ of full scale accuracy; 7 peak to-peak AC voltages: $0-4-14-40-140-400-1400$ 4000 volts, $\pm 5 \%$ accuracy; 7 overlappinE ohms ranges from 0.2 ohms to 1000 meg ohms with center-scale values to 10,100 $1000,10 \mathrm{~K}, 100 \mathrm{~K}, 1$ meg. and 10 megohms. Other important features include zero cen ter for discriminator alignment; frequency respanse of 40 cDs to 5 mc . flat to within $+5 \%$ on the 1.5 to 15 volt pms and 4 to 40 volt p-to-p ranges; $1 \%$ precision muitiplier resistors; meter electronically protected against burnout. For 105-125 v., 50-60 cps AC with $O C$ and AC /ohms probes and sables battery.
38 H 4602 Shpg, wt., $51 / 2$ lbs. $\qquad$ Net 38.00 WV-77E As above, but factory wired. 38 H $4603 \$ 5$ Monthly

Net 52.00
MODEL WV76A AC VTVM


Highly sensitive AV VTVM measuring as little as 0.2 mv . Ideal for audio applications. Nine db and AC volts ranges, 10 mv to 100 v . -40 db to +40 db . Response, $\pm 1 \mathrm{db} 10 \mathrm{cps}$ to 500 kc . Input impedance, 1.0 megohm. $1 \%$ precision multiplier resistors. Accuracy, 5\% of full scale. With shielded direct/low capacItance probe and cable. Slze: $53 \mathrm{GW} \times 73 \mathrm{GH} x$ $43 / 4$ "D. For $105-125$ volts, $50 / 60$ cycles AC. Shipg. wt., 6 tbs.
38 H5611x \$5 Monthly $\qquad$ Net 79.95


A must for any kind of electronic servicing. DC voltage has 8 ranges: $0-0.25-1.0 \cdot 2.5-10$ -$50-250-1000.5000$ volts, with $\pm 3 \%$ of full scale accuracy. DC input resistance is 20,000 ohms per volt. AC voltage has 6 ranges: 2.5-10-50-250-1000-5000 volts, with $\pm 5 \%$ full scale accuracy. Input resistance is 5000 ohms-per-volt. Frequency response. $\pm 1 / 2 \mathrm{db}$ from 10 cps to 50 KC . Resistance from $0-2$, 000-200,000-20,000,000 ohms in three ranges. DC current has 6 ranges: $50 \mu \mathrm{a}-1-10$ -100-500 milliamperes, and 0-10 amps, with full scale accuracy of $\pm \mathbf{3} \%$. Complete with red and black leads, ground lead and instruction booklet. Slize: $51 / 4 \times 31 / 2 \times 67 / \mathrm{m}^{\prime \prime}$. Shpg. wt, 4 lbs.
38 H 4604 \$5 Monthty $\qquad$ Net 38.00
Model WV-38A As above, but factory wired. 38 H $4605 \$ 5$ Monthly Net 52.00 "0" battery for WV-38-1 req. 99 H 6256 $\qquad$ Net ea. 15 "AA" battery for WV-38-4 req. 99 H 6258 Net 10 Model WG-270A-Carrying case for WV-38A(K) 38 H 4606 Shpg. wt., $1 / 2$ lbs._Net 4.95 MODEL WR 50B(K) RF SIGNAL GENERATOR KIT
with SWEEP FEATURES
$45_{\mathrm{Kt}}^{\circ 0}$
65.00 Wired No Money Down

- CW or Mod ulated RF Sine-Wave Signal from 85 KC to 40MC
Ideal for allgning and trouble-shooting $A M$, FM, TV, CB and Ham recelvers. Provides tunable output from 85 kc to 40 mc in 6 ranges on fundamentals, CW or modulated RF. Dlal calibration accuracy $\pm 2 \%$. Built-ín 400 cycle audio oscillator for internal or external modulation. Front panel crystal socket for oscillator calibration. Shlelded outputs. $53 / 6 W \times 73 / 4 \mathrm{H} \times 43 / \mathbf{4 N O}^{\mathbf{0}} \mathbf{0}$. For $105-130$ $v .50 / 60$ cycles AC. Shipg. wt., 7 lbs. 38 H $4632 \$ 5$ Monthiy

Shipg. Wt., 7 WR-50B As above but factory wired. 38 H 4631 \$5 Monthly

Net 65.00

ACCESSORY PROBES FOR RCA KITS

| STOCK No. | WCA Me. | DESCRIPTION | FOR | WT. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 38 H 4619 | WG-2990 | DC/AC Ohms Probe with Shielded Cable \& Coax. Conn. | WV-98C | 407. | 9.00 |
| 38 H 4620 | WG-300B | Direct/Lo-Cap. Probe and Cable. | WV.76A | 402. | 11.00 |
| 38 H4621 | WG-301A | Crystal Dlode Slip-on Probe, Use with WG-2990.Extend VTVM range to 250 MC . | WV-98C | 202. | 8.25 |
| 38 H 4623 | WG-289 | HI-Volt Probe-to $50,000 \mathrm{~V}$ (less resistor). | WV-98C | 802. | 13.50 |
| 38 H 4624 | WG-206 | 1090 Megohm Multiplier use with WG-289 \& WG-297. | $\begin{aligned} & \text { WV.77E, } \\ & \text { WV-98C } \end{aligned}$ | 202. | 3.50 |
| 38 H 4625 | WG-352A | RF Dlode-Extends Measurements to 100 MC . | WV-38A | 1 tos. | 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 p-p voltages up to 4200 volts of sine waves, TV horizontal sync pulses and oscillator waveforms. Response: $\pm 1 \mathrm{db}$ from 30 cps to 3 mc . Range: $O C$ volts, $0-.5-$ 1.5-5-15-50-150-500-1500; AC rms 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: $7 \mathrm{~W} \times 64 / 2 \mathrm{H} \times 33 / 4{ }^{\text {" }} \mathrm{D}$. With probe and shielded cable. For $110-130$ volts 50/60 cycles. AC. Shpg. wt., 8 lbs. 38 H $4609 \$ 5$ Monthly $\qquad$ Net 57.95 Model WV-98C. As above, but factory wired. 38 H 4610X $\$ 5$ Monthly Net 84.00

## MODEL WO-33A(K) PORTABLE $3^{\prime \prime}$ SCOPE KIT

 Color TV, And Audio Eqlupment.

Easy to bulid dual baind 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 bandwith. Verticat amplifier has two positions. On wide band position, sensitivity is $100 \mathrm{mms} \mathrm{mv} / \mathrm{in}$, and bandwidth within 3 db from $5.5 \cos$ to 5.5 Mc . On narrow band position, sensitivity is $\mathbf{3} \mathrm{rms} \mathrm{mv}-\mathrm{in}$. and bandwith within 3 db from 20 cps to 150 KC . Has external and $\pm$ Internal sync. Sync range to 4.5 Mc . Sawtooth range from 15 CDS to 75 Kc . 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/10cap probe and cable, and instruction booklet. Assembly instruction sheet provided with the kit. Power requirement is 50 watt at $105-125$ volts. $50 / 60 \mathrm{cps}$. Size $61 / 2 \times 101 / 4 \times$ $81 / 4$.". Shps. wt. 16 lbs. 38 H 4607WX $\$ 5$ Monthly $\qquad$ Net 99.00 W0-33A As above, but factory wired. 38 H 4608WX $\$ 7.50$ Monthly ___ Net 139.00

## Reliable

 CROSSHATCH GENERATOR

Pattern Control (Color-Bar/ Dot/Crosshatch)

Nown

- Chroma Control to Check Receiver Color Sync-Lock Action

Advanced troubleshooter for color and black. white TV sets. Crystal-controlled circuits, 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: $131 \mathbf{y}^{\prime \prime} \times 10^{\prime \prime} \times 8^{\prime \prime}$. For 105.125 v., 50.60 cycles AC. Shpg. wt., 16 lbs.
38 H 4628 WX $\$ 10$ monthly ___....... Net 189.50

RCA Model WO-91B $5^{\prime \prime}$ SCOPE


$269^{\circ 0}$.
Especially Suited for Black/White and No Money Down Color Receivers
Choice of wide-band or high sensitivity modes. Simultaneous p-p measurements and waveshape display. Preset sweep positions. Complete with direct/low capacitance probe and cable, ground cable, alligator clip, clip insulator, green-graph screen, instruction book. Response: ( $\pm 10 \mathrm{~b}$ ), from 10 Hz to $4.5 \mathrm{M} \mathrm{Hz}^{2} 131 / 2 \times 16 \frac{1}{2} \times 9$. For $105-125 \mathrm{~V}$., $50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 35 lbs .
$38 \mathrm{H} 4629 \mathrm{wx} \$ 13.50$ Monthly _. Net 269.00 Model WG-302A RF/IF/AF Signal Tracing Probe for use with WO-91B. Shpg. wt. 802. 38 H 4622

Net 9.00

## Test Equipment

RCA WA-44C SINE/SQUARE WAVE AUDIO GENERATOR


- Separate 60 Hz Line Frequency Output For IM Tests
- Wide Frequency Range, 20 Hz to $200,000 \mathrm{~Hz}$.
Engineered for the audio lab or hl.fi service. men. The WA-44C provides $20-200,000 \mathrm{~Hz}$ out put in four bands. Switch selects sine-wave or squarewave output. Square waves have less than $5 \%$ tilt. Sine wave output 8 volts rms $\pm 1.5 \mathrm{db} 30 \cdot 100,000 \mathrm{~Hz}$. Has $10-1$ attenuator, separate 60 Hz Hine frequency output and variable output control. Less than $0.25 \%$ distortion from 30 Hz to 15 kHz . Size: $101 / /{ }^{2}$. $\times 7 \mathrm{H} \times 6 \mathrm{y} / \mathrm{s}$ "D. For $\mathbf{1 0 5} .125 \mathrm{~V}, 50 / 60 \mathrm{~Hz}$ A.C. Shpg. wt. 12 lbs
$38 \mathrm{H} 4616 \mathrm{Wx} \$ 5.00$ Monthly $\qquad$ Net 98.50


Model WV-120A Power Line Monitor. Pluss into wall outlet. 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, $\pm 2 \%$ at 120 volts; $+3 \%$ at 100 and 140 volts. Size: $31 \% 6 \times 5 \times 31 /{ }^{\prime \prime}$ 38 H 4618 Shpg. wt. $11 / 2$ lbs.

Net 16.50
Model WG307B (K) TV Blas Supply XIt. Designed for use in servicing and aligning both color and glack and White television sets. Provides three 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 $105 \cdot 125$ V, 60 cycles AC. Size: $61 / 9 \times 33 / 4 \times 2^{\prime \prime}$. Shpg wt., $11 / 2 \mathrm{lbs}$.
38 H 4612
Mol WR-70A RF/IF/VF Marker Adder, For RF. If and video sweep alignment of color and black and white TV sets. Cholce of 4 marker shapes. Output voltages of marker signal -2.5 rms volts; demodulated sweep signal- 10 volts P.P. IF/VF sweep input: 50 KH 2 to 50 MH2 RF input: 50 Mc to 250 MH 2 Size: $71 / 2 \times 101 / 2 \times 61 / 4 "$. With 4 cables and instructions. For $105-125 \mathrm{v}$, $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Wt.. il lbs. 38 H 4633 \$5 Monthly

Net 87.00
Model WP. 25A Isotap. Prevents damage to test equipment and units under test. Minimizes shock hazard. Operates as high-medium-low isolation transformer or as an autotransformer for testing at various line voltage settings. Supplies outputs of 130. 115 , and 105 volts AC at max. load. 6 taps to match line volt. $105-130 \mathrm{~V}$. 38 H 4617 Shlpr. wt., 13 lbs.

Net 27.50
Model WT-115A Color Picture Tube Tester. Tests each gun for emission, quality leakage and shorts. $5 \times 6 \times 10^{\circ}$. For $108-132$ V.A.C. 38 H 4626 X Shpg. wt. 8 lbs.

## SPRAGUE MODEL TO. 6 TELOHMIKE CAPACITOR ANALYZER

A moderately priced instrument for complete analysis of all types of capacitors, Incluoing low-voltage capacitors, at a guaranteed accuracy of $\pm 3 \%$ for values to 200 mfd . and $\pm 5 \%$ from 200 mfd . up. Capacilance bridge measures capacity in five ranges from 1 mmf to 2000 mid . 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. Burn-out-proof meter; safety switch. $87 / 8 \times 145 / 6 \times 61 / \mathbf{m}^{\prime \prime}$. For 110 $120 \mathrm{v} 50 / 60$ cos AC. Shpg. wt., 12 lbs.
38 H 7001wx $\$ 5$ Monthly
Net 99.50
Model T0-6S. Same as TO-6 except for $\mathbf{1 1 5 . 2 3 0}$ VAC/50 cycles.
38 H 7002 wx \$6 Monthly
Net 105.75


- Designed for Versatility, Accuracy, Safety and Convenience
- Tests Low-Voltage Capacitors Used in Transistor Circuits Without Damage Test Instruments-Kits or Wired

MODEL 232K PEAK-TO-PEAK VACUUM TUBE VOLTMETER KIT


- Dual Purpose AC/DC Uniprobe
- 7 Non-Skip Ranges On Every Function

A precision-unit with advanced engineering features. 11 megs input Impedance. 1\% precision 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. 41/2" meter, can't-burn-out circult. Zero center. With AC/DC Uni-Probe, Exceptional stability and accuracy. All components and instructions supplied. For $105-125$ 50/60 cps AC. Slze: $81 / 2 \times 5 \times 5^{\prime \prime}$. Shpg. wt., 7 tbs,
38 H 2617 Model 232 Kit Net 29.95 Model 232. As above, but factory wired. 38 H 2618 \$5 Monthly $\qquad$ wired. 49.95

## MODEL 249K P-P VTVM KIT With $71 / 2^{\prime \prime}$ Meter



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: p-p volts, 0.4-14.42-140-420-1400.4200 $\quad v_{i}$ DC/RMS volts, $\quad 0 \cdot 1.5-5-15-50-150-500-1500$ v. Response, 30 cps to 3 mc , 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. $50 / 60 \mathrm{cy}$. cles AC. Shpg. wt., 9 lbs. 38 H 2619 KIt. \$5 Monthly $\qquad$ Net 39.95 Model 249. As above, but factory wired. 38 H $2636 \$ 5$ Monthly $\qquad$ wired.
Net 59.95
EICO YTVM PROBES. Av. wt. 1 Ib. STOCKNO. TYPE DESCRIPTION WET 38 H 2626 PTP-11K P.P kit-11 mers 4.55 38 H 2627 PTP. 11 As ahove. wired 6.95

 | 38 | H 2630 | PTR-2:K | P.P kil-25 megy 4.95 |
| :--- | :--- | :--- | :--- | 38 H 2631 PTP-25 wired 6.95

38 H 2632 PFF-25K | 38 | H 2633 | DRF-25 as above, wired 4.95 |
| :--- | :--- | :--- |

Model HVP2 HV Probe Extends range of your
VIVM to $30,000 \mathrm{~V}$. Wired Shpg., $1 / 2 \mathrm{lb}$.
38 H 2634


## MODEL 540K

## MODEL 235K VTVM KIT

Deluxe VTVM features 6" 200 micro-amp meter, $1 / 2$-volt full 5 Sale $O C$ range for transistor servicing, AC/DC "Uni-Probe", and $1 \%$ precision multiplter resistors. Ranges: $A C / D C$ volts, $0.0 .5-1.5-5-15-50-150-500-1500 ;$ $p-\rho$ volts, $0-4-14-42 \cdot 140-1400-4200$; resistance, 0.2 ohms to 1000 megs in 7 ranges. Response: 3 cps to 3 mc . Accuracy: $3 \% \mathrm{AC}$ 8 OC. Has 11 megotm DC input, For 117 v ., $50 / 60$ cDS AC. Size: $81 / 2 \mathrm{H} \times 71 / 2 \mathrm{~W} \times 5^{\circ} \mathrm{D}$. Shpg. wt., 9 lbs.
38 H 2716 \$5 Monthly $\qquad$ Net 49.95 Model 235. As above, but factory wired. 38 H 2717 \$5 Manthly $\qquad$ Net 64.95

## MODEL 250K AC <br> 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 cps to 600 KC . Input Impedance; 10 meg. 105.125 volts, $50 / 60 \mathrm{cps} \mathrm{AC}, 81 / 2 \mathrm{Hx} 51 / 4 \mathrm{Wx}$ 7"0. Includes all parts and Instructions. Shpg. wt., 7 lbs. Not illustrated. 38 A 2620 \$5 Monthly

Net 49.95
Model 250 as above but factory wired.
38 H 2621 \$5 Monthly $\qquad$ Net 79.95

## 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 $50 \mu$ full scale, $D C$ voltage ranges $(5,50) 3$ resistance ranges: 10 to 2,000, 0 to $200,000,0$ to 20 megohm). $\pm 3 \%$ accuracy. Self-powered. With Jeads, batteries. Bakelite case $63 / 4 \mathrm{H} 53 / 4 \mathrm{Wx} 3^{\prime \prime} \mathrm{D}$. Shipg. wt., 3 lbs.
38 H 2685 Model 680 Kit __ Net 25.95
Model 680 Same as above but factory wired, 38 H 2686 \$5 Monthly __ Net 39.95


## UTILITY TESTER KIT

An all-in-one Multi-Range $A C / D C$ voltmeter, ammeter, ohmmeter, wattmeter and leak. age checker. Indispensable in home repairs of electrical appliances, and in automotive trouble-shooting of batteries, generators, distributors, etc. $31 / 2^{\prime \prime}$ meter, ranges: Volts AC/DC $0-7.5 \cdot 15 \cdot 150 \cdot 300$. AC/DC current: $0-15$ amps. Ohms: 0.1000 ohms. Capacitor leakage test. All components and instructions supplied. $33 / 4 \times 61 / 2 \times 31 / 2^{\prime \prime}$ Shipg. wt., 3 lbs.
38 H 2624 . Model 540 Kit $\qquad$ Net 12.35 Model 540. As above, but factory wired. 38 H 2625

## MODEL 567K

20,000 OHM PER VOLT VOM KIT
Easy-to-build VOM klt for all electronic servicing. Features 20,000 ohms/volt DC and 5000 ohms/volt AC sensitivity; built-in protection for $41 / 2^{4}$ meter and polarity reversing switch. Ranges: AC and DC v., 0-2.5-10-50-$250-1000-5000$ plus 0.0 .25 v. DC; Resistance, $0-2000$ ohms to 20 megohms in three ranges; DC current, $0-100 \mu \mathrm{a}-10 \mathrm{ma}, 0-10 \cdot 100-500 \mathrm{ma}$ plus $0-10$ amps; $\mathrm{DB}_{\mathrm{a}}-12$ to +55 in 5 ranges, Size: $63 \times 51 / 4 \times 3^{\prime \prime} 0$. Less leads. Wt., 3 lbs .
38 H 2718 Kit. $\$ 5$ monthly $\qquad$ Net 34.95 Model 567. As above, but factory wired. 38 H $2719 \$ 5$ monthly $\quad$ Net 44.9

## MODEL 632K CRT TESTER AND REJUVENATOR KIT



- Tests, Repairs, Rejuvenates Color or B\&W Crt's
- Luggage Case Holds 5.Socket Cable and Line Cord
Universal multi-socket cable accommodates any black and white or color CRT. 3-range filament voltage selector. Grid cut-off voltage and filament voltage read on $41 / 2^{\prime \prime}$ meter, also beam current on a 3 -color BAD-?-GOOD scale. Neon-lamp circuit for shortopen testing. 6 push-buttons enable instantaneous measurement without danger of CRT damage. Spring return repair pushbutton is used to apply 1000 V d.c. for rejuvenate process. For 105.130 Volts AC , 60 cps. Size: $12 W \times 93 / 44 \times 5^{\prime \prime} D$. Shpg. wt., 8 lbs.
38 H 2673 KJt. $\$ 5$ Monthly $\qquad$ Net 49.95
As above, but factory wired
38 H 2674 \$5 Monthly
Net 69.95


# For Serviceman, Technician and Student 

MODEL 427K DC 5" SCOPE KIT


Features direct-coupled, push-pull vertical ampilifier. Response flat from DC to 500 KC, -6 db @ 1 MC .4 -step plus CAL vertical attenuator. Sensitivity 10 mv p-p or 3.5 mv rms per cm . Horizontal amplifier: flat from 2 cps to 450 KC . Sensitivity $0.5 \mathrm{vp-p}$ or 0.18 v rms per cm . Voltage calibrator for peak.topeak measurements. Sweeps 10 cps to 100 KC in 4 ranges. Gun of CRT is mu/metal shielded. For $105-125 \mathrm{~V}, 60 \mathrm{cps}$ AC. Size: $81 / 2 \times 12 \frac{1}{2} \times 16 / \mathrm{K}_{6}$ ". Shpg. wt., 30 lbs .
38 H 2641 WX Kit. $\$ 5$ Monthly __ Net 89.95 Model 427. As above, but factory wired. 38 H $2642 \mathrm{WX} \$ 7.00$ Monthly

MODEL 435K WIDEBAND DC $3^{\prime \prime}$ SCOPE KIT

- 18 MV RMS/CM Sensitivity
- Zener Diode Calibration
- DC 4.5 MC Flat Response
109 ${ }^{95}$


No Money Down A compact, lightweight $3^{\prime \prime}$ wideband scope ideal for home color TV service. Push-pull vertical amplifier offers direct or capacitive inputs. Response: flat from DC to 4.5 MC sensitivily: $18 \mathrm{mv} / \mathrm{cm}$. Reproduces 3.58 MC color sync burst easily. Vert. Input decade attenuator. Input Impedance: 1 Meg shunted by 35 mmf . Horizontal: flat, 1 cps to 500 KC . Sensitivity: $0.7 \mathrm{~V} / \mathrm{cm}$. Input imp. 4 Mez shunted by 40 mmf . Full screen vert. and horiz. postioning. Sweeps from 10 cps to 100 KC in 4 ranges plus pre-set TV. $\vee$ and TV. H sweep positions. Fast retrace blanking. $53 / 4 \mathrm{~W} \times 8 \frac{1}{2} \mathrm{H} \times 12 \% \mathrm{~m} " \mathrm{D}$. For $105-125 \mathrm{~V}, 60$ cycles AC. Shpg. wt., 17 libs.
38 H 2637wX Kit. \$6 Monthly _ Net 109.95 Model 435 as above, but factory wired. 38 H 2638 wx $\$ 8$ Monthly_Net 159.95

## 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 identification. Shpg. wh., 5 oz .

38 H $\mathbf{2 6 4 5}$ ModeI PSD-K Demodulator Probe Kit $\qquad$ Not 3.95
38 H 2646 Model PSD as above, but factory wired $\qquad$ Net 5.95
38 H 2647 Model PD-K Direct Probe KIt
tory wired $\qquad$ Net 2.95
38 H 2649 Model PLC.K Low Capacity Probe Kit 38 H 2649 ModeI PLC.K Low Capacity Probe Kit
38 H 2651 Model PLC as above, but factory wired Net 3.95 Net 3.95

## NEW 636 GENERAL PURPOSE PORTABLE TUBE TESTER



- Large 3 Color Meter
- Quick Tests 800 Tube Types

Low cost quality tube tester. Test all stand. ard TV and radio tube types including octals, loctals, 7 -and 9 -pin miniatures, novars, nuvistors, and compactrons. Checks for emission, leakage, shorts, opens and intermittents. Test barteries under load from 1.5 V . to 90 V . In 11 ranges. Performs simple GO: NO -GO continuity readings. Large isolatlon transformer for reduced shock hazard. Neon short indicator. Complete with bakelite case, handle, and tube data manual covering 800 tube types. $81 / 2 \mathrm{H} \times 71 / 2 \mathrm{~W} \times$ $31 / \mathrm{s}^{*} \mathrm{D}$. 117 V . $\mathrm{AC}, 60 \mathrm{cps}$-Shpg. wt. 5 Ibs.
38 H 2724 \$5 Monthly
Buy Now! Pay Later . . . Use Lafayette's Easy Pay Plan. No Money Down

## MODEL 628K CATHODE CONDUCTANCE TUBE TESTER KIT



Cathode conductance type of tube tester features 13 individual lever switches for complete flexibility. Tests 7, 9 and 10 pin miniatures, octal, loctal, 5 and 7 pin nu. vistors, novars and compactrons. Pllot 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. 3 -column roll chart frequently revised for up-to-date data, $4 \frac{1}{2 m}$ meter. With all parts and instructions. For $105-125 \mathrm{~V} 60$ cycles AC. Size: $121 / 2 \mathrm{~W} \times 91 / 2 \mathrm{H} \times 41 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt. 11 lbs.
38 H 2655 Kit. $\$ 5$ Monthly $\qquad$ Net 44.95
Model 628 as above, but factory wired.
38 H 2656 \$5 Monthly
Net 59.95


## - 10 MV RMS/CM Sensitivity

- DC to 4.5 MC Flat Response
- TV.V and TV.H Sweeps

Excellent Lab precision scope featuring Push-pull direct coupled vertical amplifler with high sensitivity: $25 \mathrm{mv} / \mathrm{in}$. Response flat from DC to 4.5 MC , useful to 10 MC , Ideal for reproduction of 3.58 MC color TV sync. burst. 4.step freq. compensated attenuator in both $A C, D C$ positions. Also Internal voltage calibration. Automatic sync. IImiter and amplifier. 2X-full screen horizontal positioning. Sweep-freq.: 10 to 100K cps with external capacitor for lo-frea. sweeps. Preset IV V \& H sweep positlons (30 and 7875 cps). Variably Ilt graphed 5" screen. Very hi-input impedance. Complete with all components and instructions for easy assembly. $13 \times 8 \frac{1}{2} \times 16^{\prime \prime}$. For $105-125$ VAC, $50-60$ cycles. Shpg. wt., 30 lbs.
38 H 2643WX Kit. $\$ 5$ Monthly __ Net 99.95 Model 460. As above, but factory wired. 38 H 2644WX $\$ 7.50$ Monthly ___ Net 139.95

## MDDEL 667K DYNAMIC CDNDUCTANCE TUBE AND TRANSISTOR TESTER KIT


$79^{95}$

## No Money Oown

## - Test New Tube Types

- Seperate Plate, Screen, Grid Switchs Combines a mutual conductance test with a peak emission test to give a single reading of tube quality. Also checks transistors for leakage and beta. Tests almost every domestic or foreign tube including nuvistors, novars, compactrons, miniatures, subminia. tures. octals and loctals. Tests special purpose tubes, voltage regulators, electron ray. etc. Multi-circuit level switch; 15 tube. element pushbutton switches. $41 / 2^{\prime 2} 200$ ua $0^{\prime}$ Arsonval meter; roll chart. Steel case. For $105 \cdot 130 \mathrm{v}, 60$ cycles AC. $12 \times 15 \times 41 / 2^{\prime \prime}$. Shpg, wt., 20 lbs.
38 H 2652wx $\$ 5$ Monthly $\qquad$ Net 79.95
Model 667 as above, but factory wired.
36 H 2653wX $\$ 7$ Monthly $\qquad$ Net 129.95


## साGD Kits And Wired Test Equipment



MODEL 566K. Large $41 / \mathbf{K}^{\prime \prime}$ meter features: AC/DC sensitivity of 1 K ohm/v. totals 38 ranges: $A C / D C$ volts: $0-1-5 \cdot 10-500-5000 \mathrm{AC} /$ DC. Current: 0.1-10 m.a. 0-0.1-1 amps. Ohms: $0-5 \mathrm{~K}$ - $100 \mathrm{~K}-1$ meg. DB: -20 to +69 in 6 ranges. All components and instructions supplied. $63 / 4 \times 51 / 4 \times 3^{\prime \prime}$. Shpg. wt. 4 lbs . 38 H 2601 Model 566 KIt - Net 16.95

Model 566. As above, but factory wired. 38 H 2602 Net 22.95

Model 556 K . Same as 566 K but with $1 \%$ resistors.
38 H 2603 $\qquad$ Net 18.95

Model 556. As above, but factory wired 38 H 2604 Net 25.95

MDOEL 536K (Not Illustrated). Outstanding value. $3^{\prime \prime}$ meter features $A C / D C$ sensitivity of 1 K ohm/v. 31 ranges - $A C / D C$ volts: 0.1 . 5-10-50-100-5000. 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. $61 / 2 \times 33 / 4 \times 23 / /^{*}$. Shpg. wt., 2 lbs.
38 H 2605 Model 536 KIt $\qquad$ Net 14.95

Model 536. As above, but factory wired. 38 H 2606

Net 18.95

## MODEL 955K <br> IN-CIRCUIT CAPACITOR TESTER KIT

## $19^{95}$ <br> $39^{95}$

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 littie as 1 ohm shunt resistance). Checiks for opens; capacitors as small as 15 mmf , in or out of circuit: Wien bridge circult 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 visible on electron ray tube. Includes fine adjust control. For $105-130 \mathrm{VAC}$. Size: $81 / 2 \mathrm{H} \times 53 / 4 \mathrm{~W}$ $\times 6 " D$. Shpg. wt., 4 lbs. 38 H 2691 Model 955 KIt Net 19.95 Model 955. Same as above but factory wired and tested.
38 H 2692
\$5 Monthly _ Net 39.95


## RESISTANCE DECADE KIT

Model 1171 K Substitute equivalent values of sesistance in a circult. From 0 to 99,999 ohms in 1 -ohm steps in 5 decades. Uses $0.5 \%$ accurate resistors. Comparator switch permits instant substitution. 12Lx31/2W×3" 0 . less leads. Shpg. wt., 3 lbs.
38 H 2677 Model 1171 Kit
Net 24.95
Model 1171 Same as above but factory wired 38 H 2678 \$5 Monthly

Net 34.95

## CAPACITANCE DECADE BOX KIT

Model 1180 K - Range: 100 mmf to 0.111 mf in increments of 100 mmf . 3 decade assemblies. Rated 350 VDC continuous, 500 VDC intermittent, 1000 VDC test. Accuracy $\pm 1 \%$. $9 \times 31 / 2 \times 31 / 2^{\prime \prime} \mathrm{D}$. Shpg. Wt., 3 lbs. 38 H 2679 Model 1180 Kit Net 17.95 38 H 2680 As above but wired .... Net 24.95


## MODEL 1140 SERIES/PARALLEL

 RC COMBINATION BOX KITA versatile combination of Models 1100 K and 1120 K (above) with switching facilities for selection of any R alone, any C alone, or 1350 combinations of $R$ and $C$ in series or parallel. Resistance values from 15 ohms to 10 megohms; capacitance values from 0.0001 to 0.22 mfd . $\pm 10 \%$ accuracy. Open and short circult positions provided. Can be substituted in circuit to determine values. Convenient 5 -way jack binding posts. $63 / 4 \mathrm{H} \times 51 / 4 \mathrm{~W} \times 23 / 8{ }^{2} \mathrm{D}$. Shog. wt., 3 lbs . 38 H 2687 Model 1140 Kit $\qquad$ Net 14.95 Model 1140. Same as above but factory wired and tested.
38 H 2688
Net 23.95

## MDDEL 950K R-C BRIDGE \& RCL COMPARATDR KIT

Combination RC bridge and comparator, a direct reading ratio scale for comparison measurement of capacitance, resistance and inductance with a "standard" compllimentary component. Measures (in 4 ranges) 0.5 ohms to 500 megohms; 10 mmf to 5000 mid . 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 $105 \cdot 125 \mathrm{~V}, 60$ cycles AC. Steel case. $8 \mathrm{H} \times 10 \mathrm{~W} \times 434^{\circ} \mathrm{D}$. Shpg. wt., 10 Jbs. 38 H 2689 Model 950 Kit ........... Net 25.95 Model 950 . Same as above but factory wired 38 H 2690 ....... $\$ 5$ Monthly ........ Net 34.95


## MODEL 888 SOLID

## STATE ENGINE ANALYZER KIT

Seven professional engine and ignition systems in one. Determine the condition of battery, starter, Ignition coll, distributor, voltage regulator, alternator or generator. Performs on 4, 6, or 8 cylinder, 6 or 12 volts, pos. or 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 $16 \mathrm{~V} . \mathrm{DC}$; $\mathrm{Ohms}-0$ to 20 KD for general continulty and alternator diode testing; Current - 0 to 90 amps. DC. $111 / 2 \times$ $6 \times 5^{\prime \prime}$. Shpg. wt. 7 lbs 38 H 2722 Kit $\$ 5$ Monthly $\qquad$ Net 44.95
Model 888 as above, but factory wired 38 H 2723 \$5 Monthiy $\qquad$ Net 59.95

## MODEL 944K FLYBACK TRANSFORMER AND YOKE TESTER KIT



Provides a positive check, in just a few seconds, on afl types of flybacks and yokes, both in out of the circuit. Operates on extremely sensitive grid-dip principle to show up even one shorted turn. Separate calibration settings for alr-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 Hz .7 " $\times 5$ " $\times 4$ " 0 Shpg. wt., 6 lbs.
38 H2 2701 Model 944 KIt
Net 25.95
Model 944. Same as above, but factory wired.
38 H $2702 \$ 5$ Monthly
Net 34.95
Make Lafayette Your Headquarters for Test Equipment

## Kits And Wired Test Equipment



## MODEL 324K

## RF SIGNAL GENERATOR KIT

For IF-RF allgnment, signal tracing and trouble-shooting of TV. FM, AM sets all on fundamentals; marker generator for alignment of new h-f and older i-f TV IF's. Range: $150 \mathrm{kc} \cdot 145 \mathrm{MC}$ on fundamental: $111-435 \mathrm{MC}$ on callibrated harmonics $- \pm 1.5 \%$ frequency accuracy. Internai 400 cos sine-wave modulation variable from $0.50 \%$. Colpifts 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 $50 / 60 \mathrm{cps}$. Size: $8 \times 10 \times 43 / 4^{\prime \prime}$. Shpg. wt., 10 ibs .
38 H 2659 Kit $\$ 5$ Monthly $\qquad$ Net 32.95 Model 324. As above, but but factory wired. 38 H $2660 \$ 5$ Monthly $\qquad$ Net 44.95


## MODEL 315K DELUXE

SIGNAL GENERATOR KIT
Ranges 75 KC to 150 MC on 7 calibrated bands. Accuracy better than $1 \%$, stabilized by VR power supply circuit. Covers 75 KC to 50 MC on 5 ranges. Calibrated harmonics, 13 MC to 150 MC. Provision for external modulation or internal 400 -cycle sine-wave modulation, Output $100,000 \mu \mathrm{~V}$. Attenuator provided. Bandspread vernier tuning. Illuminated dial and gear-driven anti-backlash, halrline pointer protected by glass. For $105-130 \mathrm{~V} 60$ eycles. Size: $12 \times 13 \times 7^{7 " .}$ Shpg. wt., 20 lbs .
38 H 2669wx Kit \$5 Monthly $\qquad$ Net 59.95
Model 315. As above, but factory
Model 315. As above, but
$38 \mathrm{H} 2670 \mathrm{~W} \times \$ 5$ Monthly $\qquad$ wired.
Net 79.95

## 5MC AND 4.5 MC CRYSTALS

Precision crystals, fit std. socket, wt., 5 oz. $30 \mathrm{H} 2671 \mathrm{C}-5,5 \mathrm{MC}$ Crystal Net 3.95 38 H 2672 C-4.5, 4.5 MC Crystal - Net 3.95

## EICO MOOEL 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, sim. ulating 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. $61 / 4 \times 37 / 4 \times 2{ }^{\prime \prime}$. Shpg. wt., 2 lbs. 38 H 2693 $\qquad$ Net 9.95
Model 584. As above, but factory wired and tested. 38 H 2694 $\qquad$ Net 12.95

## MODEL 147AK <br> DELUXE SIGNAL TRACER KIT

A defuxe 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 erystal demodulator, valuable noise locator circuit, bullt in calibrated wattmeter, sub. stifute 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 $50 / 60$ cycles. $8 \times 10 \times 434^{\prime \prime}$. Shpg. wt., 11 lbs.
38 H 2661 KIt $\qquad$ Net 29.95 Model 147A. As above, but factory wired. 38 H $2662 \$ 5$ Monthly _ Net 49.95

DELUXE MODEL 378 AUDIO GENERATOR KIT


- Switch Selectable Frequency Output from 1 Cycle To 110 KC

FEATURES: Positive setting detent switches and large $42 / 2^{\prime \prime}$ meter, SPECIFICATIONS: Switch selectable frequency output, 1 cps steps (1-10) cPS; 10 cps steps ( $10-100 \mathrm{cps}$ ); 100 cps steps ( 100 cps-1 kc ); 1 KC steps ( 1 KC to 10 KC steps ( 10 KC to 110 KC ). Frequency Accuracy: $\pm 5 \%$, Distortion: Less than $0.1 \% 20 \mathrm{cps}$ -20 KC . 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 fuli scale. Power Requirements: $120 \mathrm{~V} 50 / 60$ cps. Size: $81 / 2 \times 121 / 2 \times 9{ }^{\prime \prime}$. Shpg. wt., 13 lbs. 38 H 2720 W Net 49.95 MODEL 378 -as above, but factory wired 38 H 2721 w $\$ 5$ Monthly $\qquad$ Net 69.95


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 marker gen, and feeds sweep signal only to IF strip being aligned. 5 ranges, from 3.5 MC to 220 MC . Impedance: 50 ohms. Variable frequency Marker: 4 ranges, 2.225 MC2.75 MC in Fundamentals, to 225 MC in Harmonics. Fixed Frequency Marker: 4.5 MC crystal included. For $105-125 \mathrm{~V}, 60 \mathrm{cps}$ AC. Size: $121 / 2 \times 81 / 2 \times 7^{\prime \prime}$. Shpg. wt., 16 lbs. 38 H 2667 wx Kit $\$ 5$ Monthly _... Net 99.95 Model 369. As above, but factory wired. 38 H 2668 WX $\$ 8$ Monthly Net 149.95

## MODEL 380 SOLID STATE NTSC COLOR GENERATOR <br> Available Factory Wired Only

Transistorized portable color generator provides $\mathbf{1 0 0 \%}$ saturated NTSC standard color signals necessary to set uo and service color TV. Generates 11 different color signals. Chrominance and lumenance for hue and demodulator adjustments; 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 output: $0-50,000 \mu \mathrm{~V}$ into 300 ohms. 61.25 MC crystal controlled for $\mathbb{T}$ ch. 3. Video output: $0.10 \mathrm{~V} p-\mathrm{p}$ both positive and negative polarities. Sync color signals crystal-controlled. For $117 \mathrm{~N}, 60$ cycles AC. Size: $51 / 6 \times 81 / 2 \mathrm{Hx} 63 / \mathrm{m}^{\prime \prime} \mathrm{D}$. Shpg. wt., 14 lbs.
38 H 2658 WX $\$ 9$ Monthly
Net 169.00

# Popular Tmercury Test Equipment Kits <br> \section*{MODEL 1101 K PORTABLE TUBE TESTER KIT} 



- Tests All Receiving and Picture Tubes for Dynamic Cathode Emission, Shorts, Grid Leakage and Gas.
- Tests New Decals, Magnovals, and 7-pin Nuvistors.

No Money Down
A fast, accurate, portable tube tester in easy-to-bulld kit form Makes dynamic cathode emission test on Novars, Nuvistors, Compactrons, 10 -pin types and others. Shorts are detected fast. Tests all sections of multi-section tubes, guards against obsolescence. Has sensitive $312{ }^{\prime \prime}$ D'Arsonval meter protected against bumnout. Has sensitive $31 / 2$ D Arsonvaher Sockets are of long lasting phosphor bronze construction. inciudes pin straighteners, CRT cable, and scuff-proof carrying case. 85:/a $x$ 11 杖 $\times 31 / 4^{\prime \prime}$.
38 H 3704 Shpg. wt., 6 lbs $\$ 5$ Monthly $\qquad$ Net 39.95
Model 1101 Same as above, but factory wired
38 H 3709 Shpg, wt. 6 lbs. $\$ 5$ Monthly $\qquad$ Net 69.95

NEW! MODEL 1700K VTVM KIT


Only
$29^{95}$ KIT

NEW! MODEL 1800k VOM KIT

only $26^{95}$
KIT

## - Large 6" Meter

Designed to provide complete servicing flexibility, and to insure a high degree of accuracy and reliability. Includes $A C$ and $D C$ volts, $D C$ amps, $d b$, and resistance scales on a full-view, easy-to-read $6^{* "}$ meter. Highimpact case. Ranges; $A C$ volts: 0 to 2.5 , $10,50,250,500,1000,5000 \mathrm{~V}, \mathrm{DC}$ volts: 0 to $0.25,1,2.5,10,50,250,1000,5000 \mathrm{~V}$. DC amps: 0 to $50 \mu a, 1 \mathrm{ma}, 10 \mathrm{ma}, 100 \mathrm{ma}$, $500 \mathrm{ma}, 10 \mathrm{a}$. db: -20 to $+10 \mathrm{db},-8$ to +22 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: $2 \%$, $71 / 2 \times 61 / 2 \times 4$ ", Shpg, wt. $41 / 2$ lbs. 38 H 3712 $\qquad$ Net 26.9 Model 1800. As above but Factory Wired. 38 H 3713

Net 34.95

MERCURY 1400 IN.CIRCUIT CAPACITOR CHECKER KIT

$24^{95}$
KIT

- Eliminate Time Consuming Method of Unsoldering and Resoldering When Checking Capacitors
The Model 1400 tester provilies a special low testing voltage of 2.9 volts $A C$ 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-circult' 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-circuit" from 2 mfd to 450 mfd. Al functions indicated on front panel. Dimen slons $1 n W x 61 / 4 H \times 4 / 2^{\prime \prime}$ D. Shpg, wt., 8 lbs 38 H 3705 Kit $\$ 5$ Monthly ........ Net 24.95 Model 1400 As above but factory wired. 38 H 3701 \$5 Monthly


## MERCURY FACTORY WIRED TEST INSTRUMENTS

NO MONEY DOWN

- Tests All Tubes, New 7.Pin Nuvistors, 10 -Pin Decals and Magnavols

No Money Down

- Line Width AdjusterVertical and Horizontal
mODEL 2000 mUTUAL CONOUCTANCE TUBE ANO 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, thyratrons, European types, hi-fi and auto radio tubes, industrial tubes, and voltage regulators. Tubes are checked in seconds with easy-fo-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 stralghteners. Color and Black and white Picture tubes tested with optional CRT
 38 H $3707 \mathrm{Wx} \$ 5$ monthly

Net 99.95 Model MH-3 CRT Adapter 38 H 3708 Shpg. wt., 2 lbs $\qquad$ Net 12.45 MOOEL 1900 SOLIO STATE COLOR GENERATOR, Moderately priced with all the important professional equipment features. Separate horlzontal and vertical bars indicate the area of misconvergence. Video patterns: dots, crosshatch, horizontal lines (14), vertical IInes (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 voits, $50 / 60$ cycles. With gun-killers. $101 / 2 \times 61 / 2 \times 43 /{ }^{\prime \prime}$ ". 38 H 3706 WX \$5 Monthly. $\qquad$
Wt. 8 lbs .
Net 99.95

# Selected Test Equipment and Test Leads 

## NEW HICKOK 209C VTVM and CAPACITANCE METER



No Money Down 18450 - Large 9" Meter

- AC Response to 200 MC
- 500 Millivolt Sensitivity

True vacuum tube volt-ohm.milliampere and capacitance meter. New 500 millivolt range plus 8 additional ranges to 1500 volts OC. Seven $A C$ ranges from 1.5 to 1,500 volts with response within 3db from 10 cycles to 200 MC . Seven resistance ranges, 10 ohms to 10 megohms center scale. Seven capacitance ranges cover approximately 50 of to $2,000 \mu \mathrm{id}$. Ohmmeter applies no more than $1 / 2$ volt, safe for all semiconductor usage. Input Impedance, 11 megohms OC, 11 meg. ohms at 5 pt AC. $11 \times 15 \times 71 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt.-1 26 los. For $117 \mathrm{VAC}, 50.60 \mathrm{cps}$. 38 'H 3609 WX \$10 Monthly Net 184.50

## PROTECT YOUR METER with METERGARD

$2^{95}$

- Easily Installed
- No Overload Damage
Newly-Developed, fully tested device to protect your meter. regardiess of make, against overloads. No more bent pointers, damaged pivots. or burnt out colls. Installation of metergard will allow your meter to withstand as much as a $10,000 \%$ overload. Shpg. wt. 1 tb.

Net 2.95 38 H 6801


38 H 6801

## PRECISION S-55 5" WIDE-BAND OSCILLOSCOPE



Lab precision 5" scope featuring 3-stage push-pull direct coupled vertical ampliffer circuitry. SPECS: Vertical sensitivity $O C$ : $70 \mathrm{mv} / \mathrm{in}$., $A C_{;} 25 \mathrm{mv} \mathrm{rms} / \mathrm{in}$. Freq. Resp. $D C$, 3 db at 4.5 mc ; $A C 3 \mathrm{db}$ from 1 cps to 4.5 mc . Horizontal (push-pull output) sensitivity, 0.6 V . rms/in., Freq. Resp., 3 db from 1 cps to 400 kc . Freq. range: 10 cps to lookc sawtooth. TV-V and TV-H positions. Built-in regulated, 60 cps semi-rectangular waveshape, 200 mv p-p. 60 cps , operative on both line sync and line sweep phasing control. Illuminated screen graticule: adjustable Illumination. DC balance and astigmatism are adjustable from front panel. For $117 V A C$. $50.60 \cos 133 / 8 \times 83 / 4 \times 174 / 4 \times$. Wt., 30 lbs. 38 H 1801wx $\$ 9$ Monthly Net 169.95

## LECTROCELL DC POWER SUPPLY FOR VTVM's

$3^{95}$
Quickly replaces $11 / 2$ volt battery used in VTVM's for resistance measurements. Reg. ular batterv must be replaced at regular Intervals. If it is forpotten the instrument may be ruined by chemical corroslon. Eliminate trouble by installing this power supply. Install it and forget it. Shpr. wt., 2 lbs. 38 H 6802

## PRECISION E-200C RF MULTI-BAND SIGNAL GENERATOR



Frequency coverage: $88 \mathrm{kc}-440 \mathrm{mc}$; 10 direct-reading- $1 \%$ accurate bands, 400 cycle audio with up to 80 volts output. Dual shieided RF attenuators. Four types of signals: Unmodulated RF; 400 cps modulated $R F$; extern-ally-modulated RF; audio output. Size: $13 x$ $111 / 2 \times 63 /{ }^{\circ}$. 117 V ( $50 / 60$ cycles $A C$. Shpg. wt.. 16 lbs.
38 H 1800wx $\$ 7.50$ Monthly $\qquad$ Net 139.95

## KLIPZON ADAPTERS 0

Convert old test points to self holding prods. Fits over standard phone tips or needle type. 32 H 8015 Red, 2 Oz. Net Ea. . 38
32 H 8016 Black, 2 oz. Net Ea. . 38


Test $1.5,15,22.5,30,33$ and 45 volt bat teries without load. With test leads. 38 H 6164 Shpg.wt., 8 oz.

Net 4.30

## HIGH VOLTAGE LEADS

For hi-volt testing
in TV sets. Extra heavy duty.
Special finger guards. High tension wire. 22,000 volts breakdown. $48^{\prime \prime}$ long. Shpg. wt., 6 ozs. With phone tips.

| Stock No. | Type | Wt. | Per Pair |
| :--- | :---: | :--- | ---: |
| 32 H 6401 | Phone tips | 6 Oz | 1.94 |
| 32 H 6402 | Spade lugs | 6 Oz | 1.94 |
| 32 H 6403 | Allig. Cllps | 6 Oz | 2.35 |

## LAFAYETTE TEST LEADS

STANDARD TEST LEADS


Standard test leads furnished with plastic 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. $4^{\prime \prime}$ long $x ~ 3 / /^{\prime \prime}$ diameter. Supplied in pair of one red and one błack. Avallable with either pin or banana plugs. Shpg. wt.. 8 oz. Imported. 99 H 5001 With Banana Plugs 99 H 5002 with Pin Plugs Net 39

# Quality Panel Meters 

Square and minature panel meters WITH HIGH QUALITY D'ARSONVAL MOVEMENTS




## - Jewelled Bearings

\author{

- Accuracy 2\% Full Scale
}
High quality, precision built meters with beiter than $2 \%$ of full scale accuracy. All meters have 4 threaded mounting studs in corners, zero adjust screw and clear plastic fronts except (Fig. B) which has black bakelite. Terminal polarity on DC modets is identified, Fig, A standard 3900 ohm " $B$ " scale VU indicator. Includes full wave bridge rectifter, bulit-in bulb. Ammeters are highly damped. use linear calibrations. Dimensions: Fig. A, B,
 terminals. Require $2 \chi_{0}^{\prime \prime}$ diameter mounting hole. Fig. C miniature meters with silvered dials, black pointers - $1 \%_{0^{\prime \prime}}$ square fronts, $11 / 2^{\prime \prime}$ overall front-to-back, with $11 /^{\prime \prime}$ behind panei including $1 / 4^{\prime \prime}$ terminals. Require $11 / 2^{\prime \prime \prime}$ diameter round hole in panel, $15 / \mathbf{c}^{\prime \prime \prime}$ dial face. Supplied with mounting screws. Imported. Shpg. wt., 1 lb.

| STOCK NO. | TYPE | FIG. |  | RANGE | NET EA. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 99 H 5043 | Square | A | *Illumi | nated Scale VU | 5.95 |
| $99 H 5042$ | Square | B | 0.50 | DC Microammeter | 5.75 |
| 99 H 5040 | Square | 8 | $0-1$ | DC Milliammeter | 3.25 |
| 99 H 5039 | Square | B | 0-150 | AC Voltmeter | 2.75 |
| 99 H 5052 | Miniature | C | 0-1 | OC Milliammeter | 2.95 |
| 99 H 5053 | Miniature | C | 0.5 | DC Milliammeter | 2.95 |
| 99 H 5054 | Miniature | C | 0.50 | DC Miliammeter | 2.95 |
| 99 H 5055 | Miniature | C | 0.100 | DC Milliammeter | 2.95 |
| 99 H 5049 | Miniature | C | 0.50 | DC Microammeter | 4.45 |
| 99 H 5060 | Miniature | C | 0.10 | DC Ammeter | 2.75 |
| 99 H 5047 | Miniature | C | 0.15 | DC Voltmeter | 2.75 |
| 99 H 5050 | Miniature | C | $0-150$ | AC Voltmeter | 2.75 |
| -Standard | "B" scale | indica | . $100 \%$ | modulation scale, | $10+3 \mathrm{VU}$ | scale.

## MINIATURE LAFAYETTE ILLUMINATED VU METER

- D'Arsonval Movements
- Jewelled Bearings

- Accuracy $2 \%$ of Full Scale
- Bakelite Case
llluminated dial for easy, wide-angle readability at alf times. Volume level indicator, calibrated in standard -20 to +3 VU and $0.100 \%$ ranges. Uses precision cartoon film multiplier resistor and full 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 across meter ccnnected to 600 ohm source with 600 ohm load. May be used with T-pad attenuator, Size: $1 \%_{6} \times 15^{\prime \prime}$ sq. face, $11 / 4^{\prime \prime}$ overall behind panel. Imported. Shpg. wt., 802.
99 H 5024
Net 3.95


## 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 $\mathbf{3 2} 2^{\prime \prime}$ behind panel including terminals. Has stud-type solder terminals and zero adjustment screw. Shpg. wt., $3 / 4 \mathrm{lbs}$. Imported.

$$
\text { VU METER } 31 / 4 " \text { WIDTH (FIG. A) }
$$

VU METER-Calibrated and damoed in accordance with standard VU meter practice. Upper scale read -20 to +3 VU . Lower scale reads $0.100 \%$ modulatlon. Accurate to $\pm 0.5 \mathrm{VU}$ from $30 \cdot 15,000 \mathrm{cps}$. Size: $31 / 4 \mathrm{~W} \times 1$ " H . Imported.
99 H 5033
BALANCE \& TUNING METER $23 /{ }^{\prime \prime}$ WIDTH (FIG. B)
Use these precision moving coil DC Ammeter meter movements as stereo balance indicators or as tuning indicators for FM tuners. Pointer at center of the scale indicates zero or nult position. Current Sensitivity: $\pm 100 \mu a$. Complete with installation schematics. 99 H 5034 Shpg. wt., 1 ib. Imported. Size: $23 / 8 \mathrm{~W} \times 1 / 8 . \mathrm{Dx} 7 / \mathrm{g}^{\prime \prime} \mathrm{H}$.

## MINIATURE FM \& AM TUNING METERS



Can be easily installed on any tuner. The remarkable sensitivity erables you to tune in stations with surprising ease, Galvanometer movement of the indicator assures complete accuracy. Insulation resistance between case and terminals: 20 megohms/ 500 V . Solder lugs are provided at the back. Plastic case cover. Complete with instructlon sheets. Shpg. wt., 4 ozs.

## 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 luned in. Current sensitivity $\pm 50$ microamps DC. internal resistance about 430 ohms. Imported.
99 H 5026
AM TUNING METER
AM TUNING METER, can be connected into the second IF stage of AM radio. Graduated scale with maximum deflection of pointer indicating station being tuned in. Imported. 99 H 5025 $\qquad$ Net 2.50

## MINIATURE LAFAYETTE LEVEL METER



- Highly Sensitive
- Front Panel Area Only $7 / 8 W \times 7 / 16^{\prime \prime} \mathrm{H}$ - Rubber Cushion Mount
A miniature 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 "36"DxIWx1"L. Internal resistance-260 ohms. Full scale 500 microamps. Shpg. wt., 1 oz. Imported.

Net 1.95

## ULTRA-MINIATURE TUNING AND BATTERY METER



ONLY K/" IN DIA.,
$1 / 4$ " IN LENGTH
Ultra-miniature meter can be installed easily In a $7 / "^{\prime \prime}$ diameter hole. Current sensitivlity: 200 Ma. Internal resistance: 320 ohms $\pm 10 \%$. Imported. Shpg. wt., 3 oz.
99 H 5035
Net 1.50


A full wave, economical meter rectifier of exceptionally linear characteristics. Universal electrical replacement for all multlmeters, such as Lafayette's miniature V.O.M.'s. Single screw mount. Long terminals. 5 oz. Imported
99 H 6207


GLASS FRONT Type 950
CLEAR PLASTIC Type 850


DC VDLTMETERS

| Range | Type 550 | $\begin{aligned} & \text { Met } \\ & \text { Ench } \end{aligned}$ | True 850 | Net Each |
| :---: | :---: | :---: | :---: | :---: |
| 0.1 | 38 H 6064 | 2.95 |  |  |
| 0.3 | 38 H 6065 | 2.95 | 38 H 6149 | 3.05 |
| 3.0.3 | 38 H 6066 | 2.95 |  |  |
| 0.5 | 38 H 6067 | 2.95 | 38 H 6150 | 3.05 |
| 0.6 | 38 H 6068 | 2.95 |  |  |
| 0-8 | 38 H 6069 | 2.95 | 38 H 6151 | 3.05 |
| 0.10 | 38 H 6070 | 2.95 | 38 H 6152 | 3.05 |
| $0-15$ | 38 H 6071 | 2.95 | 38 H 6153 | 3.05 |
| 0.20 | 38 H 6072 | 2.95 | 38 H 6154 | 3.05 |
| 0.25 | 38 H 6073 | 3.25 | 38 H 6155 | 3.35 |
| 0-25H | 38 H 6028 | 3.70 | 38 H 6156 | 3.80 |
| 0.50 | 38 H 6029 | 3.20 | 38 H 6157 | 3.30 |
| 0-50H | 38 H 6030 | 3.95 | 38 H 6158 | 4.05 |
| 0.75 | 38 H 6031 | 3.25 |  |  |
| 0.100 | 38 H 6032 | 3.25 |  |  |
| 0.100 H | 38 H 6033 | 3.85 |  |  |
| 0.150 | 38 H 6734 | 3.40 | 38 H 6159 | 3.50 |
| 0.150 H | 38 H 6035 | 4.10 | 38 H 6160 | 4.20 |
| 0.300 H | 38 H 6036 | 4.25 | 38 H 6161 | 4.35 |
| 0.500 H | 38 H 6037 | 4.50 | 38 H 6162 | 4.60 |
| O O 750 H | 38 H 6038 | 5.05 |  |  |

## A.C. METERS TYPE 850

| A.C. VOLTMETERS |  |  | A.C. AMMETERS |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Range | Stoct No. | Net | Rang ${ }^{\text {d }}$ | Stock Mo. | Net |
| 0.10 | 38 H 5930 | 4.40 | 0.1 | 38 H 5923 | 4.20 |
| 0.15 | 38 H 5931 | 4.40 | 0.3 | 38 H 5924 | 4.20 |
| 0.25 | 38 H 5932 | 4.40 | 0. 5 | 38 H 5925 | 4.20 |
| 0.50 | 38 H 5533 | 4.60 | 0.10 | 38 H 5926 | 4.20 |
| 0.150 | 38 H 5934 | 4.80 | 0.15 | 38 H 5927 | 4.20 |
| 0.300 | 38 H 5935 | 5.40 | 0.30 | 38 H 3828 | 4.60 |
|  |  |  | 0.50 | 38 H 5929 | 4.75 |

A.C. MILLIAMMETERS TYPE 850

 D.50 38 H $5510 \mid 4.350 .500$ 31 H 5522 4.35


MODEL NF-2C


## MODEL RF.2Y/4C

All models pre-calibrated and accurate within $5 \%$. Rugged deslgn gives satisfactory service under the most severe operating condilions. Styled to enhance appearance of electrical equipment. Steel cases are finished in durable black. Not affected by mounting in magnetic panels. Meter Move ments: OC meters- "HI-TORK" magnetic and AC meters-moving iron type. Overall depth and flange dimensions: Model NF.2C $11 / a \times 21 / a^{\prime \prime}$; Model RF-2C, $13 / 3 \times 21 / a^{\prime \prime}$; Madel RF- $21 / 4 C$, $1 K_{0} \times 2 \%_{4}^{\prime \prime}$ for $2 \%_{0}^{\prime \prime}$ round hole; Model 13, $3 / 4 \times 11^{\prime 2} \times 21 / 8^{\prime \prime}$ all plastic design. Screw terminals with soldering lugs. Supplied with all mounting hardware. Avg. shpg. wt., 902.

## SHURITE PANEL METERS

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 polarlzed-vane solenoid type of moving magnet construction. Require a $25_{2}$ " hole. " H " indicates high resistance. "L" Indicates low resistance. Model 850: Attractive plastic meters with $21 / 3 \mathrm{~W} \times 2 \mathrm{~K}_{0} \mathrm{HH}$-Crystal polystyrene front for exceptlonal visibility and protection. Frosted finish interior. Model 950: Sturdy metal case, glass front meters. Flange.mounted. Average shpg. wt., $1 / 4 \mathrm{lb}$. "Sensitive type has 500 ohms resistance.

DC MILLIARMMETERS

| Range | Type 950 | Net <br> Each | Type 850 | Net Each |
| :---: | :---: | :---: | :---: | :---: |
| 0 | 38 H 6081 | 4.30 | 38 H 6008 | 4.45 |
| $0 \cdot 3$ | 38 H 6082 | 3.70 | 38 H 6009 | 3.80 |
| D.36* | 38 H 6783 | 4.30 | 38 H 6010 | 4.45 |
| 0.5 | 38 H 6084 | 3.40 | 38 H 6011 | 3.50 |
| 0.10 | 38 H 6085 | 3.15 | 38 H 6012 | 3.25 |
| 0.15 | 38 H 6086 | 2.95 | 38 H 6013 | 3.05 |
| 0.25 | 38 H 6087 | 2.95 | 38 H 6014 | 3.05 |
| 0.50 | 38 H 6088 | 2.95 | 38 H 6015 | 3.05 |
| 0.100 | 38 H 6989 | 2.95 | 38 H 6016 | 3.05 |
| 0.150 | 38 H 6090 | 2.95 | 38 H 6017 | 3.05 |
| 0-200 | 38 H 6091 | 2.95 | 38 H 6018 | 3.05 |
| $0-3 \mathrm{CO}$ | 38 H 6092 | 2.95 | 38 H 6019 | 3.05 |
| 00 | 38 H 6093 | 2.95 | 38 H 6020 | 3.05 |
| 0.500 | 38 H 6094 | 2.95 | 38 H 6021 | 3.05 |
| DC AMMETERS |  |  |  |  |
| n | Type 950 | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ | Type 850 | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| 1 | 38 H 6095 | 2.95 | 38 H 602 | 3.05 |
| 3 | 38 H 6096 | 2.95 | 38 H 6023 | 3.05 |
| 0.5 | 38 H 6051 | 2.95 | 38 H 6024 | 3.05 |
| 0.8 | 38 H 6152 | 2.95 |  |  |
| 0.10 | 38 H 6053 | 2.95 | 38 H 6025 | 3.05 |
| 0.15 | 38 H 6054 | 2.95 | 38 H 6026 | 3.05 |
| 0.25 | 38 H 6055 | 3.40 | 38 H 6027 | 3.50 |
| 0.50 | 38 H 6056 | 3.40 | 38 H 6144 | 3.50 |
| 3.0.3 | 38 H 6057 | 3.05 |  |  |
| 0.5 | 38 H 6058 | 3.05 |  |  |
| 6-0.6 | 38 H 6059 | 3.05 |  |  |
| 0.0.10 | 38 H 6060 | 3.40 | 38 H 6145 | 3.50 |
| -0.20 | 38 H 6061 | 3.40 | 38 H 6146 | 3.50 |
| -0.30 | 38 H 6062 | 3.40 | 38 H 6147 | 3.50 |
|  | 38 H 6063 | 3.60 | 38 H 6148 | 3.70 |
| RESISTANCE METERS |  |  |  |  |
| $10.000$ ohms | 38 N 6039 | 3.60 | 38 H 6163 |  |

D.C. MICROAMMETERS

| D.C. MICROAMMETERS |  |  |  |  |  |
| :--- | ---: | ---: | :--- | ---: | ---: |
| Range | Type 950 | Net <br> Each | Type 850 | Net <br> Each |  |
| 0.500 | 38 H 6167 | 4.75 | 38 H 6168 | 4.85 |  |

## SHURITE BATTERY TESTERS

Pocket testers with bright plated cases, metal dials. and prods. Sturdily built. Test batteries without load. Ideal for testing batteries used in transistor circuits, modet raltroads, hearing aids, portable radios, etc. Sheg. wt., 8 oz.

## DC VOLTMETERS

| TYPE | hange | NET |
| :---: | :---: | :---: |
| 38 H 5970 | 0.5 | 3.25 |
| 38 H 5971 | 0.7 | 3.25 |
| 38 H 5972 | 0-50 | 3.75 |
| 38 H 5973 | 0-2.50 | 4.30 |
| 38 H 5974 | 0-5.50 | 4.30 |
| 38 H 5975 | 0.7.5.90 | 4.30 |
| 38 H 5976 | 0.2 .6 | 4.30 |
| 38 M 5977 | 0-2-150 | 4.30 |


| OC AMMETERS |  |  |
| :---: | :---: | :---: |
| 38 H 5978 | 0.3 | $\mathbf{3 . 2 5}$ |
| 38 H 5979 | 0.15 | 3.25 |
| 38 H 5980 | 0.40 | 3.50 |

hEARING AID BATTERY TESTER
Ideal for checking $1.5,15,22.5,30,33$, and 45 volt batteries.
38 H 6164
Net 4.30

## EMICO PANEL METERS

| Range | Madel NF-2C |  | Model RF-2C |  | Model RF-2V/C Stock No. Net |  | Model 13 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Stock No. | Net | Stock No. | Net |  |  | Stock No. | Net |
| 0.1 | 38 H 3104 | 3.70 | 38 H 3115 | 3.80 | 38 H 3126 | 4.05 | 38 H 3137 | 4.05 |
| 0.5 | 38 H 3105 | 2.65 | 38 H 3116 | 2.75 | 38 H 3127 | 3.00 | 38 H 3138 | 3.00 |
| 0.10 | 38 H 3106 | 2.50 | 38 H 3117 | 2.60 | 38 H 3128 | 2.85 | 38 H 3139 | 2.85 |
| 0.20 | 38 H 3107 | 2.15 | 38 H 3118 | 2.25 | 38 H 3129 | 2.60 | 38 H 3140 | 2.60 |
| 0-30 | 38 H 3108 | 2.15 | 38 H 3119 | 2.25 | 38 H 3130 | 2.60 | 38 H 3141 | 2.60 |
| $0-50$ | 38 H 3109 | 2.15 | 38 H 3120 | 2.25 | 38 H 3131 | 2.60 | 38 H 3142 | 2.60 |
| 0.100 | 38 H 3110 | 2.15 | 38 H 3121 | 2.25 | 38 H 3132 | 2.60 | 38 H 3143 | 2.60 |
| 0.150 | 38 H 3111 | 2.15 | 38 H 3122 | 2.25 | 38 H 3133 | 2.60 | 38 H 3144 | 2.60 |
| 0.200 | 38 H 3112 | 2.15 | 38 H 3123 | 2.25 | 38 H 3134 | 2.60 | 38 H 3145 | 2.60 |
| 0.300 | 38 H 3113 | 2.15 | 38 H 3124 | 2.25 | 38 H 3135 | 2.60 | 38 H 3146 | 2.60 |
| 0.500 | $\mathbf{3 8}$ H 3114 | 2.15 | 38 H 3125 | 2.25 | 38 H 3136 | 2.60 | 38 H 3147 | 2.60 |
| AC VOLTMETERS |  |  |  |  |  |  |  |  |
| 0.150 | 38 H 3148 | 3.90 | 38 H 3150 | 4.00 | 38 H 3152 | 4.45 | 38 H 3154 | 4.45 |
| 0.300 | 38 H 3149 | 4.50 | 38 H 3151 | 4.55 | 38 H 3153 | 4.95 | 38 H 3155 | 4.95 |
| DC AMMETERS |  |  |  |  |  |  |  |  |
| 0.1 | 38 H 3156 | 2.15 | 38 H 3163 | 2.25 | 38 H 3170 | 2.60 |  | - |
| 0.5 | 38 H 3157 | 2.15 | 38 H 3164 | 2.25 | 38 H 3171 | 2.60 |  | - |
| 0.10 | 38 H 3158 | 2.15 | 38 H 3165 | 2.25 | 38 H 3172 | 2.60 | 38 N 3177 | 2.60 |
| 0.15 | 38 H 3159 | 2.15 | 38 H 3166 | 2.25 | 38 H 3173 | 2.61 | 38 H 3178 | 2.60 |
| 0-25 | 38 H 3160 | 2.15 | 38 H 3167 | 2.25 | 38 H 3174 | 2.60 | - |  |
| 0-30 | 38 H 3161 | 2.15 | 38 H 3168 | 2.25 | 38 H 3175 | 2.60 | 38 H 3179 | 2.60 |
| 30-0.30 | 38 H 3162 | 2.15 | 38 H 3169 | 2.25 | 38 H 3176 | 2.60 | 38 H 3180 | 2.60 |
| OC VOLTMETERS |  |  |  |  |  |  |  |  |
| 0.3 | 38 H 3181 | 2.15 | 38 H 3188 | 2.25 | 38 H 3195 | 2.60 | 38 H 3203 | 2.60 |
| 3-0.3 | 38 H 3182 | 2.15 | 38 H 3189 | 2.25 | 38 H 3196 | 2.60 |  |  |
| 0.10 | 38 H 3183 | 2.15 | 38 H 3190 | 2.25 | 38 H 3197 | 2.60 | 38 H 3204 | 2.60 |
| 0.15 | 38 H 3184 | 2.15 | 38 H 3191 | 2.25 | 38 H 3198 | 2.60 | 38 H 3205 | 2.60 |
| 0-20 | 38 H 3185 | 2.15 | 38 H 3192 | 2.25 | 38 H 3199 | 2.60 | 38 H 3206 | 2.60 |
| 0.30 | 38 H 3186 | 2.15 | 38 H 3193 | 2.25 | 38 H 3201 | 2.60 | 38 H 3207 | 2.60 |
| 0.50 | 38 H 3187 | 2.15 | 38 H 3194 | 2.25 | 38 H 3202 | 2.60 | 38 M 3208 | 2.60 |
| AC AMMETERS |  |  |  |  |  |  |  |  |
| 0-1 | 38 H 3209 | 3.35 | 38 H 3212 | 3.45 | 38 H 3215 |  |  |  |
| 0.5 | 38 H 3210 | 3.35 | 38 H 3213 | 3.45 | 38 H 3216 | 3.75 | 38 H 3218 | 3.75 |
| 0-10 | 38 H 3211 | 3.35 | 38 H 3214 | 3.45 | 38 H 3217 | 3.75 |  |  |
| AC MILLAMMETERS |  |  |  |  |  |  |  |  |
| 0.500 | 38 H 3219 | 3.35 | 38 N 3220 | 3.45 | 38 H 3221 | 3.75 | 38 N 3222 | 13.75 |

[aphay
METER SPECIFICATIONS
The panel meter with the quality of distinction. Accurate to within $2 \%$ of full scale. DC meters employ D'Arsonval moving coil movements; AC types use double-iron repulsion movements. Finest alloy-steel permanent magnets. Jeweled bearings \& steel alloy pivots for depend. able service. Cushioned ceramic bumpers protect pointer against Overtravel. Easy-to-read black scales on white enamel metal dial faces. Molded black bakelite case. Av. shpg. wt., $11 / 2 \mathrm{lbs}$.

Panel Meters
 quantity prices on the entire Triplett line.

METER DIMENSIONS Round Flush Mounting

| Mod. | Flange | 8ody Dia. | - Depth | Scale |
| :---: | :---: | :---: | :---: | :---: |
| 221.1 | 21/6" | 27/2" | 136" | $1.76^{\prime \prime}$ |
| 231.5 | 21\%" | 2\%32" | 11\%。" | $1.58{ }^{\prime \prime}$ |
| 321-T | 31/2" | 23/" | 156" | 2.49 |
| 331.S | 312" | 23/4" | 11360 | 2.22 |


| Mod. | Flange | Body Dia. | - Depth | Scale |
| :---: | :---: | :---: | :---: | :---: |
| 227-T | 23/0x $2^{3 / 9}{ }^{\prime \prime}$ | $25 / 3$ | 1 "14" | $1.76{ }^{\prime \prime}$ |
| 237-S | $23 / 8 \times 23 / 9{ }^{\prime \prime}$ | 23/4 | 17/8" | $1.58{ }^{\prime \prime}$ |
| 327-T | $3 \times 3$ " | $21 /{ }^{\prime \prime}$ | 11イ" | $2.49^{\prime \prime}$ |
| 337-S | $3 \times 3$ " | 23/4" | 17/8" | 2.22 |
| 420 | 45/8×4\% ${ }^{\prime \prime}$ | 23/4" | $15 / 8{ }^{\prime \prime}$ | $4.14{ }^{\prime \prime}$ |
| 430 | 45/8×4K6" | 2313" | $1{ }^{\text {F6" }}$ | $3.6^{\prime \prime}$ |

- OVERALL DEPTH INCLUDING TERMINALS

DC MICROAMMETERS

| Range | $\begin{gathered} 221 \mathrm{~T} \\ 2^{1 / 2^{11}} \text { Rnd. } \end{gathered}$ | $\begin{gathered} 227 \mathrm{~T} \\ 21 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | $\begin{aligned} & 1.9 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 10.24 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 321 \mathrm{~T} \\ 31 / 2^{\prime \prime} \text { Rnd. } \end{gathered}$ | $\begin{aligned} & 327 \mathrm{~K} \\ & \text { 3" Rect. } \end{aligned}$ | $\begin{gathered} 1.9 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 10.24 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 420 \\ 41 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | $\begin{aligned} & 1.9 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 10-24 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.50 | 38 н 7331 | 38 H 7332 | 18.90 | 17.01 | 38 H 7333 | 38 H 7334 | 19.70 | 17.73 | 38 H 7335 | 21.10 | 18.99 |
| 0.100 | 38 H 7336 | 38 H 7337 | 16.50 | 14.85 | 38 H 7338 | 38 H 7339 | 17.30 | 15.57 | 38 H 7340 | 18.70 | 16.83 |
| 0.200 | 38 H 7341 | 38 H 7342 | 14.10 | 12.69 | 38 H 7343 | 38 H 7344 | 14.90 | 13.41 | 38 H 7345 | 16.30 | 14.67 |
| 0.500 | 38 H 7346 | 38 H 7347 | 13.30 | 11.97 | 38 H 7348 | 38 H 7349 | 14.30 | 12.87 | 38 H 7350 | 15.80 | 14.22 |
| 50.0 .50 | 38 H 7351 | 38 H 7352 | 16.50 | 14.85 | 38 H 7353 | 38 H 7354 | 17.30 | 15.57 | 38 H 7355 | 18.70 | 16.83 |
| 100.0.100 | 38 H 7356 | 38 H 7357 | 14.10 | 12.69 | 38 H 7358 | 38 H 7359 | 14.90 | 13.41 | 38 H 7360 | 16.30 | 14.67 |
| 500.0.500 | 38 H 7361 | 38 H 7362 | 12.60 | 11.34 | 38 H 7363 | 38 H 7364 | 13.40 | 12.06 | 38 H 7365 | 14.80 | 13.32 |
| DC MILLIAMMETERS |  |  |  |  |  |  |  |  |  |  |  |
|  | 2215 | 227T | 1.9 | 10.24 | 321 T | 327T | 1.9 | 10-24 | 420 | 1.9 | 10-24 |
| Range | 217"Rnd. | 21/2" Rect. | Each | Each | 31/2" Rnd. | $3^{\prime \prime}$ Rect. | Each | Each | 41/2" Rect. | Each | Each |
| 0.1 | 38 H 7366 | 38 H 7367 | 12.60 | 11.34 | 38 H 7368 | 38 H 7369 | 13.40 | 12.06 | 38 H 7370 | 14.80 | 13.32 |
| 0-1.5 | 38 H 7371 | 38 H 7372 | 12.60 | 11.34 | 38 H 7373 | 38 H 7374 | 13.40 | 12.06 | 38 H 7375 | 14.80 | 13.32 |
| 0.3 | 38 H 7376 | 38 H 7377 | 12.60 | 11.34 | 38 H 7378 | 38 H 7379 | 13.40 | 12.06 | 38 H 7380 | 14.80 | 13.32 |
| 0.5 | 38 H 7381 | 38 H 7382 | 12.60 | 11.34 | 38 H 7383 | 38 H 7384 | 13.40 | 12.06 | 38 H 7385 | 14.80 | 13.32 |
| $0-10$ | 38 H 7386 | 38 H 7387 | 12.60 | 11.34 | 38 H 7388 | 38 H 7389 | 13.40 | 12.06 | 38 H 7390 | 14.80 | 13.32 |
| 0.15 | 38 H 7391 | 38 H 7392 | 12.60 | 11.34 | 38 H 7393 | 38 H 7394 | 13.40 | 12.06 | 38 H 7395 | 14.80 | 13.32 |
| 0.25 | 38 H 7396 | 38 H 7397 | 13.00 | 11.70 | 38 H 7398 | 38 H 7399 | 13.90 | 12.51 | 38 H 7401 | 15.20 | 13.68 |
| 0.50 | 38 H 7402 | 38 H 7403 | 13.00 | 11.70 | 38 H 7404 | 38 H 7405 | 13.90 | 12.51 | 38 H 7406 | 15.20 | 13.68 |
| 0-100 | 38 H 7412 | 38 H 7413 | 13.00 | 11.70 | 38 H 7414 | 38 H 7415 | 13.90 | 12.51 | 38 H 7416 | 15.20 | 13.68 |
| 0.200 | 38 H 7422 | 38 H 7423 | 13.00 | 11.70 | 38 H 7424 | 38 H 7425 | 13.90 | 12.51 | 38 H 7426 | 15.20 | 13.68 |
| 0.300 | 38 H 7432 | 38 H 7433 | 13.00 | 11.70 | 38 H 7434 | 38 H 7435 | 13.90 | 12.51 | 38 H 7436 | 15.20 | 13.68 |
| 0-400 | 38 H 7437 | 38 H7438 | 13.00 | 11.70 | 38 H 7439 | 38 H 7440 | 13.90 | 12.51 | 38 H 7441 | 15.20 | 13.68 |
| 0.500 | 38 H 7442 | 38 H 7443 | 13.00 | 11.70 | 38 H 7444 | 38 H 7445 | 13.90 | 12.51 | 38 H 7446 | 15.20 | 13.68 |
| 0.750 | 38 H 7447 | 38 H 7448 | 13.00 | 11.70 | 38 H 7449 | 38 H 7450 | 13.90 | 12.51 | 38 H 7451 | 15.20 | 13.68 |
| 0-1000 | 38 H 7452 | 38 H 7453 | 13.00 | 11.70 | 38 H 7454 | 38 H 7455 | 13.90 | 12.51 | 38 H 7456 | 15.20 | 13.68 |

DC VOLTMETERS

| Range | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0.1 | 2275 | 38 H 7509 | 13.70 |
| 0.3 | 2215 | 38 H 7513 | 13.70 |
| 0.3 | 420 | 38 H 7517 | 15.60 |
| 0.5 | 420 | 38 H 7522 | 15.60 |
| 0.10 | 2215 | 38 H 7523 | 13.70 |
| 0-10 | 3271 | 38 H 7526 | 14.20 |
| 0.15 | 2215 | 38 H 7528 | 13.70 |
| 0.15 | $32 \pi$ | 38 H 7531 | 14.20 |
| 0-15 | 420 | 38 H 7532 | 15.60 |
| 0.25 | 2215 | 38 H 7533 | 13.70 |
| 0-25 | 2275 | 38 H 7534 | 13.70 |
| 0-25 | 3217 | 38 H 7535 | 14.20 |
| 0.25 | 3271 | 38 H 7536 | 14.20 |
| 0-25 | 420 | 38 H 7537 | 15.60 |
| 0-50 | 227T | 38 H 7539 | 13.70 |
| 0-100 | 3217 | 38 H 7545 | 14.20 |
| 0.150 | 3217 | 38 H 7550 | 14.20 |
| 0.150 | 3275 | 38 H 7551 | 14.20 |
| 0.200 | 2275 | 38 H 7554 | 13.70 |
| 0-200 | 3275 | 38 H 7556 | 14.20 |
| $0-500 \dagger$ | 2275 | 38 H 7569 | 16.30 |
| 0-500 | 3217 | 38 H 7570 | 15.00 |
| 0.750 | 420 | 38 H 7577 | 16.40 |
| $0.3000 \dagger$ | 327 | 38 H 7591 | 19.40 |

$\dagger$ Have External Resistors
DC MILLIVOLTMETERS

| Range | Model | Stock No. | Each |
| :--- | :--- | :--- | ---: |
| 0.50 | $227 T$ | 38 H 7605 | 12.60 |
| 0.50 | 327 T | 38 H 7607 | 13.40 |
| $0-50$ | 420 | 38 H 7608 | 14.80 |
| 0.100 | 420 | 38 H 7613 | 14.80 |
| $0-150$ | 420 | 38 H 7618 | 14.80 |

DC AMMETERS

| Range | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0-3 | 3211 | 38 H 7464 | 13.90 |
| 0-3 | 420 | 38 H 7466 | 15.20 |
| 0.5 | 420 | 38 H 7471 | 15.60 |
| $0-10$ | 2215 | 38 H 7472 | 13.70 |
| 0.10 | 227T | 38 H 7473 | 13.70 |
| 0-10 | 3211 | 38 H 7474 | 14.20 |
| 0.10 | 327 T | 38 H 7475 | 14.20 |
| 0.10 | 420 | 38 H 7476 | 15.60 |
| 0-15 | 2215 | 38 H 7477 | 13.70 |
| 0.15 | 2271 | 38 H 7478 | 13.70 |
| 0.15 | 3215 | 38 H 7479 | 14.20 |
| 0.15 | 3275 | 38 H 7480 | 14.20 |
| 0.25 | 420 | 38 H 7486 | 15.60 |
| 0.50 | 321 T | 38 H 7494 | 14.20 |
| 0.50 | 327 T | 38 H 7495 | 14.20 |
| 0.50 | 420 | 38 H7496 | 15.60 |

AC VOLTMETERS

| Range | Model | Stock No. | Each |
| :--- | :--- | :--- | ---: |
| $0-150$ | 231 S | 38 H 7748 | 14.50 |
| $0-150$ | 237 S | 38 H 7749 | 14.50 |
| $0-150$ | 331 S | 38 H 7750 | 15.20 |
| $0-150$ | 337 S | 38 H 7751 | 15.20 |
| $0-150$ | 430 | 38 H 7752 | 16.10 |
| $0-250$ | 430 | 38 H 7757 | 16.60 |

## JBT AC FREQUENCY METERS

Vibrating reed meters for measuring frequency of $A C$ Dower sources - in 5 -cycle steps; $\dagger$ in 1 -cycle steps. $\pm 0.3 \%$ at $77^{\circ}$ F. Flange $31 / 2^{\prime \prime}$. mounts in $2 \%^{\prime \prime}$ " hole, overall depth $3 \mathrm{~K}_{\mathrm{k}}{ }^{\prime \prime}$. For $100-130$ volts. Shpg. wt. 12 oz. 38 H 6702 Model 34-Fx.
56.64 cycles $\dagger$ Net 27.25 38 H 6703 Model $33-F x$.

380-420 cycles*

AC AMMETERS

| Range | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0.1 | 2315 | 38 H 7659 | 13.10 |
| 0-1 | 2375 | 38 H 7660 | 13.10 |
| 0.1 | 3315 | 38 H 7661 | 14.00 |
| 0-1 | 3375 | 38 H 7662 | 14.00 |
| 0.1 | 430 | 38 H 7663 | 14.80 |
| 0.2 | 3375 | 38 H 7667 | 14.00 |
| 0.3 | 430 | 38 H 7673 | 14.80 |
| 0.5 | 237S | 38 H 7675 | 13.10 |
| 0.10 | 430 | 38 H 7683 | 14.80 |
| 0.15 | 237S | 38 H 7685 | 13.10 |
| 0-15 | 3375 | 38 H 7687 | 14.00 |
| $0-15$ | 430 | 38 H 7688 | 14.80 |
| 0.25 | 2315 | 38 H 7689 | 13.10 |
| 0.25 | 3375 | 38 H 7692 | 14.00 |
| 0-25 | 430 | 38 H 7693 | 14.80 |
| 0.30 | 2315 | 38 H 7694 | 13.10 |
| 0.30 | 2375 | 38 H 7695 | 13.10 |
| 0.50 | 430 | 38 H 7704 | 14.80 |
| 0.75 | 3315 | 38 H 7705 | 15.30 |
| 0.75 | 430 | 38 H 7707 | 16.80 |

## ATTENTION INDUSTRIALS

The complete line of Triplett Panel Meters is avallable from Lafayette, including the new G-Series. This serits is priced the same as comparable meters shown on this page. Orders can be placed of further infor. mation obtained from Lafayette Industrial Division at Jamaica, N.Y. or Natick. Mass.


## JBT MODEL 31-EX ELAPSED TIME MEEER

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 $211 / 10^{\prime \prime}$ hole, overall depth $3 \mathrm{~K}_{4}{ }^{\prime \prime}$. For $110-120 \mathrm{v}$, 60 cycle $A C$. Shpg. wt., $11 / 2$ lbs.
38 H 6701

# NEW! Solid State Multi-Station Systems 

DELUXE NEW LAFAYETTE XL-6 SOLID STATE 6 STATION INTERMIX INTERCOM SYSTEM

3 Super Selective Systems:<br>Master to Master<br>Master to Remote<br>Intermixed Master and Remote

- Balanced Input and Output to Virtually Eliminate Annoying Noise Interference


Designed to fulfill virtually every office, industrial commercial or home intercom need. Lafayette's deluxe new 6 station intermix sys. tem provides complete flexibility 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 avaliable 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 XL-6 intercom utilizes powerful advanced solid state cir-
cultry for "instant on" operation. Incorporates a balanced 40 ohm input and output circult design. The advantages of this type of design is that the entire system when operating is virfually not susceptible to noise interference. Master unit has 5 individual station selector slide switches, 2 position press to talk-talk/Lock bar, and volume control. Remote unit has 2 position press to talktalk/lock bar. Handsome walnut wood cabinet with brushed aluminum 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 \& Remote $71 / 8^{\prime \prime L} \times 21 / 4{ }^{\prime \prime H} \times 4 y_{4}^{\prime \prime D}$. For $117 V A C$, 60 cps. Imported.
99 H 4611 Model XL-6 Master. Shpg. wt., 3 Ibs. $\qquad$ Net 19.95
99 H 4612 Model R. 6 Remote Shpg. wt., 2 los. $\qquad$ Net 19.95

Deidon 0741 Fi. SPOOL OF CABLE
Beldon 8741-unshielded 4 conductor, vinyl insulated cables 32 H 1578

## DELUXE NEW SOLID STATE 10-STATION INTERCOM SYSTEM

Lafayette's deluxe ultra selective 10 -station intercom system offers extreme versatility and dependability. Up to ten master stations may be connected providing a great number of home and office applications. Special Hight indicator circuit gives a silent and visual sign of beling called by a particular station. To call a station the corresponding selector button is pressed, which will light the indicator lamp at the recelving station showing from which station the call originated. The "Call" button may then be pressed to bunz and alert the receiving station. The indicator lamp stays lit until the call is the answered by the receiving station. To answer.a call the selector button corresponding to the IIt indicator lamp is pressed with the "Talk" button to begin conversation. If a call is recelved while unit is in communication, lamp remalns lit until answered; but buzzer does not operate. Affer communication is finished "Off" button is pressed to save battery life, but unit may still be called by another station. Units will communicate up to 1000 feet. Imported. Shpg. wt., 10 lbs.
99 H 4606 10-Station Master $\qquad$ Net 34.95 99 H 6257 "C" Batteries-6 req'd for each Master ... Net ea. . 14 99 H 4561 Optional AC Power Supply ___ Net 12.95 WIRING INSTRUCTIONS. For AC operation with power supply Hsted above, the total number of unshleided conductors common to all masters Is 3 more than the total number of masters in the system. For battery operation (each master requires 6 size " $C$ " batteries) the total number of unshieided conductors common to all masters is 1 more than the total number of masters in the system.

100 FT. SPOOLS OF CABLE FOR ABOVE SYSTEMS

|  | Belden |  |  |  |
| :--- | :---: | :---: | :---: | ---: |
| Stock No. | No. | Type | Shpg. wt. | Net |
| 32 H 1498 | 8456 | 10 Cond. | $51 / 4$ bs. | 8.50 |
| 32 H 1497 | 8457 | 12 Cond. | $52 / 2$ lbs. | 9.15 |
| 32 H 1494 | 8458 | 15 Cond. | 8 lbs. | 15.75 |



- Special Light Indicator Circuit for Silent, Visual Calling and Answering
- Battery Operated or 110-120 VAC Operation with Optional AC Power Supply
$34^{95}$
No Money Down

[^10]
## Solid State Wireless Intercom System



- 4 Transistors - No Warm-Up
- Plugs Into Any 117 AC Outlet In Your Home
- Each Unit Is A "Master"- Use As Many As You Need


## 2-Stations Only 2795

Solid-State 2 -station intercom system at an amazingly low, low price. Ideal for use in the home, office, factory, etc.-will connect any two places that are serviced by the same electric company power line transformer. No wiring required, simply plug each unit into any $A C$ outiet and start talking-4-transistor circuit means no warm.up time. Each unit is a "Master" with a Volume/On-Off control. Push-to-Talk Bar with a "lock-bar" feature for continuous talking, and a pilot light. 2-tone gray-colored plastic case has rubber-tipped base that will not scratch furniture. Overall $61 / 2^{=} x$ $5^{\prime \prime} \times 21 / 2^{\prime H}$. For $110-120 \mathrm{~V} 60$ cycle AC. Imported. Shpg. wht., 2 Ibs. 99 H 4573 M 2.5 Station Intercom System

Net 27.95
Additional Intercom Stations
99 H 4572
Net ea. 14.95

## Deluxe Wireless Intercom System



- Operates from any 117V AC/DC Outlet
- No Wires to Connect
- Ideal for Home or Office
- Add as Many Extra Stations as Desired


## 2-Stations Only <br> 32 <br> 95 <br> No Money Down \$5 Monthly

Handsomely styled, these units offer quallity performance for home of business use. Each unit features a 3-position bar-control lever: Dictate (for use as "baby sitter," lengthy talking). Talk (has spring return to Listen position), and Listen. No wires to connectsimply plug into any $117 \mathrm{~V} A C / D \mathrm{C}$ outlet. Front panel volume control and pilot light; adjustable squelch control at rear reduces interference during quiet periods. Dependable $3^{\prime \prime}$ speaker. Add as many remotes as needed. Imported. Shpg. wt., 10 lbs.
99 H 4547 M 2 -station Intercom system $\qquad$ Net 32.95
Extra Station. Imported. Shpg. wt., 5 lbs.
99 H 4544
Net 16.95

## Deluxe 2-Channel Solid State Wireless Intercom System



- No Wires to Connect-just plug into AC outlet
- Each unit a "Master"-use as many as needed
- Squelch Circuit for noise•free operation

Best seling 2 channel wireless intercom system-small, compact and fully transistorized. Each unit is a "master"-you can use 2, 3, 4, or as many unlts as required. No wires to connect-just plug each unit into a regular AC outlet. 5 transistors, 3 diodes, 1 silicon rectifier and 1 thermistor assure clear, powerful output. Units draw so little electrical current, you can leave them on all day! Perfect anywhere in the home-can even be used between adjacent homes or bulldings on the same electric company power line transformer. Two channels ( 160 \& 200 KC ) for maximum flexibillty. Ideal when 2 pairs are used-each pair can be used for simultaneous but independent communication using separate channels, or for communication between all units using the same channel. Controls; Volume/on-off. Press-to-talk bar with "lock-talk" feature, and channel selector (A-B). Circuit includes Squelch for noise-free operation. Transformer power supply and pllot light. Ivory high-impact plastic case $5 \times 61 / 4 x$ $3^{\prime \prime}$. For $117 \mathrm{~V}, 60$ cycles AC. imported. Shpg. wt., 4 lbs. $99^{\circ}$ H 4584 2. Station Intercom System

Net 39.95
Additional Intercom Stations, Shpg. wt., 2 Ibs. 99 H 4585

# Top Quality-Proven Performance 

## FAMOUS SELLING 2-STATION SOLID STATE INTERCOM SYSTEM

- Inter-Unit Tone Calling
- Beautifully Styled
- Simple Plug-in Connecting Cord
- Push-Button Operation

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 control and listen-talk switch-you can 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: $3 \mathrm{~W} \times 13 / 4 \mathrm{Hx}$ $4^{* D}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 H 4578 2-Station System
Net 8.95
99 H 6021 Extra 9-volt battery
Net . 21
AC power supply and battery charger for above. Shpg. wt., 2 lbs. 33 H 7702

Net 2.99


## POPULAR 4-STATION SOLID-STATE INTERCOM SYSTEM

- Instant Communications-No Warm up, Heat or Hum
- 4.Way Selector Switch-3 Remote Stations
- Remote Tone Call
- 2-Wire Distribution System
- Battery Powered

Deluxe solid state 4 -station intercom system that combines smart styling, and portability with high quality performance. All interstation calling is accomplished with one 4-way selector switch. Push-button listen-call switch on all units. Call signal operates even when master switch is "off". Simple coded interruption of buzzer signal tets mas. ter operator know which remote is calling. Cool, efficient solid state master unit runs on a single, economical 9 -volt battery. With selector switch in "wait" position battery life is further extended. Master unit has Its own volume control with "on-off" switch. Easy hook-up is facilitated by inclusion of three 60 foot lengths of 2 -conductor wire with jacks at each end. Just plug in and talk. Additional wire is available at extra cost. See below. Complete set consists of master control unit, 3 -remote units, 9 -volt battery and wire. Size: Master, $41 / 2 W \times 31 / 2^{\prime \prime} D$; Remotes: $2 W \times 4^{\prime \prime} D$. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$. 99 H 4555 Complete 4 -station System

Net 17.95
99 H 6021 Replacement 9-volt Battery (1 Rea.) .............Net . 21
32 H 3052 Additional wire, 100 Ft. Coil ...................... . 94


## OUTSTANDING NEW 3-CHANNEL SOLID <br> STATE WIRELESS INTERCOM SYSTEM

- For Up to 3 Simultaneous But Independent Communications Using Separate Channels

\author{

- Each Station A "Master"-Use As Many As Needed
}

Our finest and most versatile wireless intercom system. No wiring to install, plug into AC outlets on the same electric line between offices, rooms, and even between buildings. 3 channel design permits using up to 3 simultaneous but independent com. munications using separate channels. 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 super-deluxe wireless intercom system. Controis: Press-to-talk bar with "lock-talk" feature for continuous monitoring. channel $1-2-3 \mathrm{se}$ lector. Powerful solid-state circuit provides instantion operation and includes squelch for noise free operation, transformer power supply and pilot light. Handsome high impact plastic case. 5 Transistors. 3 diodes. 1 siticon rectifier 1 thermistor. $5 \times 61 / 4 \times 3^{n}$ 117 VAC 60 Hz . Imported. Shpg. wt. 4 lbs Lafayette 3 station wireless system 99 H 4615M \$5 Monthly ....... Net 59.95 99 H 4610 Additional station .. Net 22.95


# Telephones for Intercoms \& Private Phone Systems 



DIAL PHONE
Have your own Private Intercom

6

- For Intercoms, Private Systems

Popular modern dial phone. Can be used to make complete private systems. Equipment taken from service, reconditioned and ready to work. Simple 3 -wire hook-up. Complete with handset, dial bell, induction coil and connecting cable. General appearance may vary sightly from catalog illustration. Shpg, Wt., 8 lbs.
44 H 1801
Net 6.95

## 30 FT. TELEPHONE EXTENSION CORD



- Ideal Extension Cord for Use With Phones Listed on This Page


Add flexibility to your telephone intercom. Now be able to move your telephone infercom from room to room. 30 feet of telephone extension cord with standard 4 -pin plug and jack. Color-coded cord to match screw terminals on plug and socket. Imported. Wt., $11 / 2$ ths. 99 H 4539

Net 2.75
99 H 4540 Extra Phone Jack
Net . 95
Combination male \& female telephone plug \& phone jack only.
99 H 4538 .____ Nef ea. 1.75
100.Ft. 2-Cond. twist pair-unshielded telephone wire.

32 H 1303
Net 2.25


Popular type Stromberg-Carison cradle phone, Can be used as private telephone intercom, Reconditioned and ready to work, Consists of handset and cradie. tess dial. General appearance may vary slightly from cataiog picture. Shpg. wt., 6 lbs.
44 H 650 :
Net 4.88

## WESTERN ELECTRIC TYPE SG-1 SOUND POWERED HANDSETS

Simple 2-way communications for miles. No batteries required. Just connect phone clips to two conductor wire. Excellent for Private Intercom System, Construction, IV Installer, Motels, or Camps, etc. Any number of handsets can be installed on one line. Complete with retractable cord and alligator cllps. Shpg. wt., 4 lbs.
44 H 1803 $\qquad$ Net ea. 6.95 Set of two Handsets with 100 ft . of 2 Conductor Inside-Outside Wire. 44 H 1804 Net 14.95

## 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-tg-talk microphone, headphones and many other applications. Imported. Shpg. wt., 7 oz.
99 H 4600 $\qquad$
$\qquad$ Net 1.19
3 Conductor Colled Cord. Same as above but only 3 conductors.
99 H 4601

## THRU-THE-WALL LISTENER



Simply attach to wall by the suction cup and listen through the stethoscopic earphones. Exceedingly sensitive with high amplifi. cation. Amplifler has volume control with switch, jack for the ear. phones and jack for connecting tape recorder. Uses one penilte battery. Size: Suction cup $4^{\prime \prime}$ dia., amplifier $15 \mathbf{a}^{\prime \prime}$ deep. Complete with headset, cord and plug and battery.Imported. Shpg. wt., 3 ibs. 99 H 9133

Net 12.95
99 H 9133
Net .10

## "PRIVATE EAR" TELEPHONE DETECTOR



## - No Wires Connected to Phone

Now a pickup amplifier operating Independently of your tetephone. No wires connected, nothing put under the recelver. Simply place the unit next to your telephone for ctear reception. Operates on its own battery power. Some practical uses are: an extension receiver, increases reception in noisy areas and for the hard of hearing. for detective use, and IIstening on extensions without lifting receiver. Ideal for all telephones except some push button models. Imported. Shpg. wt., 802.
99 N 9096
Net 9.95
99 M 6021 Extra Battery for 3bove
Net .21

The "Private Eye" permits thru-the-door identification without being observed. One way viewing only - you can look out, no one can see in. Provdies extra 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 stand. ard door thickness of $13 \mathrm{ha}^{\prime \prime}$ to $15 \mathrm{~m}^{\prime \prime}$ thick. Cannot be removed from the outside. Imported. Shpg. wt., 4 oz .
99 H 9099
234
Lafayette Cat. No. 680
Net 1.49

# Deluxe LAFAYETTE Telephone Intercoms 

## NEW! SOLID STATE ALL MASTER 2 AND 4 STATION BATTERY OPERATED TELEPHONE INTERCOM SYSTEMS



- Simple Call and Push to Talk Buttons
- Operates for Distances Up to 1000 Yards
- Each Phone has its Own Junction Box for Wiring

STATESESONE INTERCOMS SYSTEM: Simple to install, provides all the privacy of regular telephones. Solid state circuitry rransmits your voice over amazingly long distances. Battery powered. Operates on 4 " $D$ " batteries. Features a separate call button and a single push-to-talk button conveniently located on the phone-piece. Buzzer indicates when you are being called. Requires 2 conductor cable for hook-up. Beautifully finished in 2 -tone grey. Complete with 4 "D" batteries, battery case, and 30 wire staples. Size: each phone: $9 \mathrm{gl} \times 23 \mathrm{H} / \mathrm{H} \times 34 \mathrm{H}=\mathrm{B}$. Imported. Shpg. wt., 2 lbs .

Net 19.95
DELUXE 4 STATION TELEPHONE INTERCOM SYSTEM: An extremely flexible system for inter-office communications-greatly relieves traffic on over-burdened office switchboards. Also ideal for schools, stores, hospitais, restaurants and homes. Extremely versatile. Can be hooked up anywhere. Battery powered. Operates on 2 " $D$ "; batteries. 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 two-tone grey. Requires 6 conductor cable. With batteries and battery case and 90 wire staples. Size: each phone: $9^{\circ} \mathrm{L} \times 23 / 4^{\prime \prime} \mathrm{H} \times 34 / \mathrm{C}$ "D. Imported. 99 H 4622 Shpg. wt., 8 lbs. $\$ 5$ monthly. $\qquad$ Net 39.95 99 H 6256 Extra " $D$ " batteries for above Systems _net ea. . 15

$100^{\circ} 2$ conductor cable for 2 station system. Shpg. Wt., 2 lbs. 32 K 3052

Net 1.09 Belden $8742-100 \mathrm{ft}$. length 6 conductor cable for 4 station system. 32 H 1580 Shpg. wt., 100 ft ., $31 / 2$ lbs................ Net 4.90

## DELUXE ULTRA SELECTIVE 10 STATION HIGH SPEED TELEPHONE INTERCOM SYSTEM



- 100\% Privacy - Up to 5 Simultaneous Conversations
- Immediate Operation - No Dialing
- Selective Ring - Selective Talk
- Battery or AC Operated

Completely private 10 station ultra-selective intercom system. Unit is styled like regular telephone, complete with colled cord and junction box. Its functional design permits positioning on desk or hanging from the wall. No need to waste time dialing, simply set pointer to desired station, push ring button and speak. Interruptions or listening in by other stations is impossible. Handies up to 5 simultaneous conversations. Conference calls are avaliable by one station calling another until all are on the line. Frees your regular telephone lines for outside calls. Power for all units in the system is obtained from a central location, either from a battery source or the AC power adapter listed below. Low power consumption on either AC or DC: 100 ma calling, 25 ma talking. Finished in black plastic.
99 H 456010 Station Lafayette phone. Imported. Shpg. wt., $37 / \mathrm{lbs}$ l $\qquad$ Net ea. 24.95 99 H 4561 AC Power Supply for system
32 H $486811 / 2 \vee$ Battery for DC operation - 6 required Net 12.95

## WIRING INSTRUCTIONS

The fotal number of unshielded conductors common to each phone is 2 more than the total number of phones in the system.
32 N 1498100 ft . length. Belden 8456, 10 cond. unshielded $\qquad$ Net 8.50
32 H 1497100 ft . length. Belden 8457, 12 cond. unshielded
Net 9.15


- Answers Phone Calls With A 40 Second Message
- Records Incoming Messages Up To 1 Minute In Duration With Any Tape Recorder* Rellable-low cost phone answering device for home as well as business. Can be used with any tape recorder* that operates with a remote control mike. Answers phone callers with a pre.recorded 40 second message. Incoming phone calls are recorded for up to 1 minute in duration. Can be played back at a later time at your telsure. All solid state circuitry. With AC/DC remote control terminal. recording switch, and built-in mike. For $110 \mathrm{~V}-220 \mathrm{~V}$ 60 cycle AC. Shpg. wi.. 6 lbs. Imported. 27 H 7204WX $\$ 5$ Monthly

Net 99.95

# Telephone Intercoms and Amplifiers, Megaphones 

## BOGEN TELEPHONE INTERCOMS


(a) TR SERIES-SELECTIVE RING-COMMON TALK: allows 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 - ft . cord, self-colling to prevent snarling. Each station is supplied with a $6-\mathrm{ft}$. master cable and a iunction box for easy wiring and supplied ready for desk or wall mounting. An adhesive push-button-directory tape is supplied with each station. Each T0 system requires a PRS.1A Power Supply (117 VAC, 60 cycle). Shpg, wt., 5 lbs. per unit.
TQ6A 6-Button, 7-Station Mandset Less wire 44 H 1204 $\qquad$ Net each 27.80
TQ.12A 12-Button. 13-Station Handset less wire 44 H $1205 \$ 5$ monthly $\qquad$ Net each 31.35 PRS-1A Power Supply (1 rea. per system) Shog. wt., 4 lbs. 44 N $1206 \$ 5$ monthly Net each 31.35 (B) TSL SERIES-SELECTIVE RING-SELECTIVE TALK: Bogen TSL Phones will permit you to reach other individuals 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, making these phones an ideal choice for busy appll. cations. Select the station with which you wish to converse, press the ring button. When the called party lifts his handset. he is in direct communication with you. Phones may be desk or wall mounted. Each phone is furnished with sharl-proof handset cord. 6' master cable and function box. PRS-16 Power supply required to power each system.
44 H 1201 TSL. $8 \quad 8$-station phone, less wire 44 H 1202 TSL-16 16 -station phone, less wire

Net 39.50 44 H 203 PRS. 16 Power supply (1 required per system)

Net 47.00

## WIRE REQUIREMENTS FOR BOGEN PHONES

Use 3 more unshielded conductors than the total number of phones in the system. Those listed below may be used between phones. 32 н 14523 conductor unshielded per $100^{\prime}: 3$ lbs 2.05 32 H 145 : 9 conductor unshielded per 100': 51/4 lbs 8.40 32 H 149712 conductor unshielded per $100^{\circ}$; 51/2 lbs. 9.15 32 H 149525 conductor unshielded per 100: 11 t/2 lbs. 24.00 Connect PRS. 16 power supply to any junction boz with a short 3 conductor cable.

## "PRIVATE EAR" TELEPHONE DETECTOR

No Wires Connected to Phone - No Special Receiver Rest


Now a pickup amplifier operating independently of your telephone. No wires connected. nothing put under the receiver. Simply place the unit next to your telephone for clear reception. Operates on its own battery power. Some practical uses are: an extension receiver. increases reception in noisy areas and for the hard of hearing. for defective use, and listening on extensions without difting receiver. Ideal for all telephones except some push button models. Imported. 99 H 9096 Shpg. wt., 802. Net 9.95 99 H 6021 Extra "9v" Battery for above

private earphone, batteries

- Several People Can Listen in on Conversation Simultaneously
- 21/4" PM Speaker - Battery Operated

Efficient battery-operated telephone amplifier for use with any type of telephone. Amplifies incoming voice and projects it through a $21 / 4^{\prime \prime} \mathrm{PM}$ speaker. Suction cup on pickup coll attaches easily to telephone and makes permanent instaliation 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: $21 / 2 \times 3 \times 41 / 3^{\prime \prime}$. Imported. Shpg. wt., 2 lbs.
99 H 9130
Net 6.95
99 H 6258 Replacement "AA" Type Batteries (4 req.) __ Net ea, . 10

## DELUXE LAFAYETTE EASY-PHONE TELEPHONE AMPLIFIER



The Easy-Phone amplifier is ideal for group conversation with one telephone in the room. Easy to operate: simoly place the telephone on the amplifier, adjust the volume and everyone can listen, leaving both hands free for writing or typing. The Easy-phone is a 4 -transistor battery powered amplifier and inductive pick-up, in an attractive plastic case. Features: $3^{-\prime}$ speaker, volume control, on/off switch activated by telephone's weight, sturdy chrome plated runners. $81 / 4 \mathrm{~L}$ $\times 31 \%, W \times 2 \%_{4}{ }^{-H}$. Supplied with miniature plug and jack for recorder input. Imported. Shpg. wt., 3 lbs. 99 H 9020 With batteries
99 H 6258 Replacement "AA" Type Batteries (4 req.) _ Net ea. . 10

## DELUXE LAFAYETTE PISTOL-GRIP POWER MEGAPHONE

## $29^{95}$

- Weighs only $4^{1 / 4}$ lbs. 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 non-linear current-limiting device to give maximum possible battery life. The reflexed air column in the horn plus tis special shape serve to concentrate and direct the ampilified sound and throw it for a considerable distance! The rubberrimmed horn is of lightweight spun aluminum and construction is extremely sturdy throughout. Microphone is built into the base of the horn. Unit measures $121 / 2^{*}$ long; mouth diameter is $81 / 4 \%$. Imported. Shpg. wt., 6 lbs.
99 H 4504 w Power Megaphone
Net 29.95
99 H 6256 "D" Battery for above (4 req.).
Net ea 15

# BOGEN Intercoms For Home and Office 

## DELUXE BOGEN SERIES T TRANSISTORIZED OFFICE INTERCOMS



## TIA-6

TIA-12


A compact light weight intercom system. For offices, stores, homes or any location where voice intercommunication is needed. Features: rugged transistorized design; low profile and tri-stage amplification. Series $T$ Intercoms provide the simplest methad yet devised to modify systems all remotes can be operated privately (for inter-office situations) or non-privately (for nupsery or stoch-room areas where a remote must reply or be heard without controls).
Singlo Master-Multiple Remote System uses up to 5 RIA-1 remote stations with one TIA-6 master or 11 remotes with a TIA-2 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. Slurdy phenolic plastic cabinet size: $73 / 4 \mathrm{~W} \times 33 / 4 \mathrm{Hx} 7^{\circ} \mathrm{O}$. Shpg. wt. master 4 lbs. Remote 3 lbs.
44 H 1207 TIA-6 Master Station 44 H 1208 TIA-12 Master Station 44 H 1209 RIA. 1 Remote Station

Net 35.65
Net 39.75
Net 10.85

GIRING REQUIREMENTS FOR BOGEN SERIES T: For single master-multiple remole systems, use a three conductor unshielded cable between master and each remote. For an all-master system, the lotal number of unshielded conductors common to all stations is one more than the total number of masters in the system; l.e.. six-master system will be interconnected with a seven-conductor unshielded cable

## CABLE PRICES PER 100' FOR

 BDGEN INTERCOMS| Stock No. | Delden No. | Unshiodded | wi./l00' | Net |
| :--- | ---: | ---: | :--- | ---: |
| 32 H 1452 | 8443 | 3 -cond. | 2 lbs. | 2.85 |
| 32 H 1456 | 8447 | 7 -cond. | $43 / 4 \mathrm{lbs}$. | 7.20 |
| 32 H 1458 | 8449 | 9 -cond. | $51 / 4 \mathrm{lbs}$. | 8.40 |
| 32 H 1497 | 8457 | 12 -cond. | $51 / 2 \mathrm{lbs}$. | 9.15 |
| 32 H 1494 | 8458 | 15 -cond. | 8 lbs. | 15.75 |

BOGEN HOME INTERCOM SYSTEM


A deluxe home intercom system for bullt-in mounting in walls. Any combinations 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 amplifier powers complete system. Output of any AM or FM radio may be connected from its speaker voice coll into the music jach of the amplifier. Any HCM-9 control station can pich up broadcasts thru HCA-1 amplifier. Dimensions HCM-9, HCA-1: $111 \%$. $x$ 41/2". HCR-1, HCR-2: $63 / 3 \times 41 / 2^{\prime \prime}$.

44 H 1210 HCM. 9 Master control station. Shpg. wt., 2 tbs.
44 H 1211 HCA-1 Translstorized amp. 1 for each system for $110-120 \mathrm{~V}$. Shpg. wt.; 3 lbs.
44 H 1219 RBAF Flush Mounting box for HCA-l. Shpg. wt., 3 lbs. 44 H 1213 HCR- 1 Remote. Shipg. wi., 1 lb.
44 H 1214 RBM-F Flush Mounting box for HCM.9. Shpg. wt., 2 Ibs.
44 H 1215 HCR-2 remote with doorbell button. Shpg. wt., 1 ib.
Net 20.50
HCM9


44 H 1216 RBR-F Fiush mounting box for HCR-1, HCR-2. Shpg. wt., 1 lb .
WIRING REQUIREMENTS


Run an unshield. cable in which the number of twisted control station run a 3 pair twisted cable; between pairs is 4 more than the total of control stations and each remote station and the most convenient control remotes in the system. Between amp. and closest station run an unshield. pair.

| Stock No. | Belden No. | Cond. (pair) | wt./100' | 100 ft. coil |
| :---: | :---: | :---: | :---: | :---: |
| 32 H 1575 | 8740 | 2 (1 pair) | 13/4 f0s. | 2.22 |
| 32 H 1578 | 8741 | 4 (2 pair) | $23 / 4 \mathrm{lbs}$. | 3.75 |
| 32 H 1580 | 8742 | 6 (3 pair) | 31/2 lbs. | 4.90 |
| 32 H 1582 | 8743 | 12 (6 pair) | $53 / 4 \mathrm{lbs}$. | 7.75 |
| 32 H 1586 | 8754 | 26 (13 pair) | 10 los. | 15.30 |

## BOGEN SOLID STATE AM/FM HOME INTERCOM RADIO SYSTEM

- All-Transistor Circuitry
- Each Station Can Choose To Elther Listen Or Not Listen To AM Or FM Radio. voice Call Overrides Radlo
- Baby-Sitting: A Sleeping Child or an Invalid Can Be Monitored From Every Room... Yet Be Undisturbed By Either The Radio Or Other Intercom Conversation
- The Doorbell Can Be Answered From Any Station In The Home

A thirteen station system (one Master and up to twelve Remotes)-handsomely styled to harmonize with all decorator tastes. Simple to operate-talk with anyone, anywhere in your home or with everyone at once... one control to reach anyone... or talk "hands-free". WIRING REQUIREMENTS: 4 pair cable is run from master in common with all indoor remotes. 1 pair twisted unshielded cable is run from each outdoor remote to closest station (i.e., master or any remote).
Model HIM.C Flush Mount Master Station with built-in solid state AM-FM Tuner. Dim.: $151 / 4^{\prime \prime} \mathrm{W} \times 81 / 2^{\prime H} \mathrm{H} \times 31 / 4 " \mathrm{D}$. (Walnut \& Copper). Shpg. wt., 7 lbs.
44 H 1221 W
Model RIK.M (ROugh-In Kit For HIM Master), includes, FM antenna, Transtormer, plaster ring. Shpg. wt., 5 Ibs.
44 H 1222
Net 12.15
HIR-1 Flush Mount Indoor Remote. Dim.: $10^{\prime \prime} \mathrm{W} \times 57 / 8^{" H} \times 2 \frac{1}{2} 2^{\prime \prime} \mathrm{D}$. Shpg. wt., 2 lbs . Net 13.45 RIK-1 Rough-In Kit For HIR-1. Shpg. wt., 1 tb.
44 H 1224 $\qquad$ Net 2.65
HIR-0 Outdoor Remote with doorbell button. Dim.: $41 / 2^{\prime \prime} \mathrm{W} \times 63 / \mathbf{D}^{\prime H} \times 21 / 2^{\prime \mathrm{D}} \mathrm{D}$. Stainless steel finish. Shpg. wt., 1 lb .
44 H 1225
Net 7.20
RIK-0 (Rough-In Kit For HIR-0). Shpg. wt., 1 lb.
44 H 1226
WIRE FOR AM/FM RAOLO INTERCOM SYSTEM
100 Ft. Beiden 8481-2 (1 Pair) Cond. Twisted unshielded cable. Shpg. wt., 1 lb. 32 H 1371
157-8 (4 pair) cond. unshielded cable.

100 ft . Net 1.80
Belden 8757-8 (4 Pair) cond. unshielded cable. per ft. . 06


HIM-C


HIR-1


HIR-0

## LAFAYETTE 12-WATT P. A. AMPLIFIER MODEL PA-612



As
Low As


- Covers Up To 5500 Sq. Ft.
- Offers 1 Mike and 2 Auxiliary Inputs
- 12-Watt Push-Pull Output

A low priced high quallty, P.A. Amplifler-especlally suitable for paging applications in medium size areas of up to 5500 sq. ft . Con trols are provided for 1 mike and 2 auxiliary inputs (phono, tuner, or recorder); master tone control, inverse feedback circult dellivers 40 . 20,000 cps response; effectively reduces hum and distortion. Output for $4,8,16$ ohms, 25 and 70.7 volts. Rear chassis terminations for optional economical $8+$ on-off switching. Tubes: $2-68 \mathrm{M} 8 / E C L-82$, 12AX7, 6CA4/EZ-81 rectifier, Aluminum and green panel with handsome metalic green case. Size: $123 \% 8 \% \times 5 \%$.". For $110-120$ Volts, 50.60 cps AC. Shpg. wt.. 12 lbs . 44 H O120WX $\$ 5$ monthly

Net 34.95

## 12-WATT FIXED P.A. SYSTEMS

## - Complete Permanent System

High quality, 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 Lafayefte 99.4587 crystal microphone with on-off switch, desk stand, lavalier cord, cable, and detachable swivel-type floor and desk stand adapter, easily hand-held without adapter-holder; $8^{\prime \prime}$ heavy duty PM speaker; $35^{\prime}$ speaker cable and plug; and attractive polished walnut finish speaker wall baffle. For $110-120$ volts, 50.60 cPS AC operation. Shpg. wt., 24 lbs.
Complete 12.watt Permanent System as described above.
44 H 9072 WXM \$5 Monthly
Net 44.95

## 12-WATT PORTABLE SYSTEM

Includes Lafayette Model PA. 612 12-Watt ampllfier, Sturdy Amplliter and speaker carrying case, heavy duty $8^{\prime \prime}$ P.A. speaker, Lafayette $99-4587$ crystal microphone and connector. Entire system can be carried in baffle case. Shpg. wt., 36 lbs .
44 H 9071WXM $\$ 5$ monthly
Net 59.95

## SOLID-STATE 16 WATT MOBILE PA AMPLIFIER

\author{

- Real Tiny-Only $13 /{ }^{3} \mathrm{Hx} 3 \%_{6} \mathrm{Dx}{ }^{7} /{ }^{n}$ "W <br> - All Solid State - No Warmup! <br> - For 12 Volts DC, Negative or Positive Ground <br> - 16 Watts of Real Power
}


#### Abstract

Ideal for mobile PA applications, the "Tiny Mite" fits into practically all cars and trucks and features two inputs ( 100 K and 600 ohms ) for use with dynamic, crystal, or magnetic microphones; phono pickup; tape recorder or AM radio. Output impedance: 8 or 16 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 moblle mounting bracket. Imported. 99 H 4589 Shpg. wt., 2 tbs. Net 29.95


LAFAYETTE Solid State 16 Watt Mobile PA System

## Lafayette Solid State 16 Watt Mobile PA Amplifier ....... Net 29.95

 2 Lafayette Horn PA Speakers ................................................Net 15.90Lafayette Push-to-Talk Dynamic PA Microphone Net 3.05
TOTAL
Above Lafayette mobile PA system consists of Lafayette's 16 watt solid state minlature mobile PA amplifier, 2 weather-proof 8 watt P.A. trumpet speakers with $90^{\circ}$ dispersion and low impedance matching dynamic push-to-talk microphone. Shpg. wt.. 7 lbs. 44 H 9069wxM $\$ 5$ Monthly
cept with Electro-Voice model Net 42.95
Same system as above except with Electro-Voice model 844A $90^{\circ}$ dispersion 30 watt trumpet speaker. Shpg. wt., $121 / 2 \mathrm{lbs}$.
44 H 9070 wxm \$5 Monthly.
. Net 49.95

## LAFAYETTE GUARANTEE

If you are not satisfied with your Lafayette Sound System you may return it at once for full refund less only transportation charges. 1 YR. AMPLIFIER GUARANTEE, All parts quaranteed against defects in material and workmanship for 1 year. Ship defective part to us prepaid for prompt replacement

## LAFAYEITE 22-WATT P.A. AMPLIFIER MODEL PA-622



# $43^{95}$ 

- For Small Halls-Average 6000 Sq. Ft.
- Inverse Feedback For Low Distortion
- Outputs For 4, 8, and 16 Ohms, 25 and 70.7 Volts

No Money Down - Handsomely Designed, Rugged Cabinet

An outstanding 22.Watt P. A. amplifier, Perfect for applications in a medium sized area -indoors or outdoors-up to 6000 sq. ft. Inverse feedback circuitry assures low hum and distortion for exceptionally clean, pure sound. Extremely good frequency response-$30-20,000 \mathrm{cps} \pm 2 \mathrm{db}-$ make this an ideal unit not only for paging, but for background music, etc. Functionally designed front panel controls: mike, and two auxiliary inputs (phono, tuner, recorder); master tone control, and on-off switeh. Handy indicator light automatically 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 com. plete with Amphenol 75MCIF mike connector and phono plug for auxiliary Input. Ampllfier cabinetry is a masterpiece In itseif. Cabinet is finished in lustrous metalific green while the front panel is of handsome green and natural aluminum. Rear chassis terminations for optional economical $\mathrm{B}+$ on-off switching. Tube complement. 2.7189 in push-pull output, 12AX7, 6AU6, 6CA4/EZ-81 rectifier. For 110.120 volts, 50.60 CPS AC. Size: $123 / 8 x$ 8\% $\%_{0} \times \%_{0}$ ". Shpg. wt., 25 Ibs.

44 H0125wX \$5 Monthly
Net 43.95
4-Speed Phono Top For Amplifler Above. 44 H 0119

Net 16.95

## 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. amplifier, Includes a heavy duty $12^{\prime \prime}$ P.A. 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 $2 \cdot 12^{\prime \prime}$ speakers; the popular Electrovoice model 727SR Crystal mike with on-off switch complete with detachable desk stand, $5^{\circ}$ cable and floor stand coupler; and $35^{\circ}$ speaker cable. For $110-130$ volts $50-60 \mathrm{cps}$ AC operation. Shpg. wt., 55 lbs. 44 H 9074 WXM $\$ 5$ Monthly .........Net 76.95 Same as above except with Lalayette 99-4587 high impedance slim crystal microphone with
on-off locking switch, with cable, desk stand, removable swivel-type floor stand adaptor, and lavalier cord in place of EV-727SR microphone.
44 H 9075wxy $\$ 5$ Monthly
Net 67.95
Same as 44 C 9074 WXM except with $2.12^{\prime \prime}$ heavy duly 15 watt PA speakers plus $3^{\circ}$ speaker cable. Shdg. wt., 60 lbs
44 H 9076WXM $\$ 5$ Monthly ........ Net 84.95 Same as 44 C 9075 WXM except with 2 heavy duty $12^{\prime \prime} 15$-watt speakers and $35^{\circ}$ speaker cable. Shpg. wt, 60 lbs .
44 H 9077WXM \$5 Monthiy
Net 75.95
See elsewhere on this page for phonotops for above systems.

## 22-WATT PERMANENT INDOOR SYSTEM

\author{

- Heavy Duty 12" Speaker
}

Includes powerful 22 -watt P.A. amplifier; Rugged, speclally designed hi-power $12^{\circ \circ}$ P.A. speaker; Polished walnut wooden wall baffle; Electro-Voice 727SR 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, $50-60 \mathrm{cps}$ AC. Shpg. wt., 47 lbs.
44 H 9048wxM $\$ 5$ Monthly
Net 62.95
Same as above except with Lafayette 99-4587 slim crystal mike with on-off locking switch, desk stand, lavalier cord, cable and removable swivel-type floor stand and desk stand adaptor Instead of E-V 727 SR microphone. 44 H 9073 WXM $\$ 5$ Monthly .......... Net 53.95 Additional $12^{\prime \prime} 15$ watt P.A. speaker and wainut wood baffle. Shps, wt., 12 lbs. 44 H 9050WXM

Net 9.9 See below for 4 -speed phono top for above systems.

## PHONO TOP FOR AMPLIFIERS



4 -speed ( $16,331 / 3,45$, and 78 RPM) phonograph turntable is designed to fit on top of the ampllfier and is easily mounted with two screws. Fits snugly over amplifier. Takes records up to 12". High quality ceramic pickup-turnover type with dual synthetic sapphire stylus. Power requirements: 15 watts, 117 volts 60 cps AC. Durable finish matches amplifier. Size: $12 \% \times 8 \%_{1} \times 4^{\prime \prime \prime}$. Shpg. wt., 8 lbs.
for PA-612, PA-622. PA-645 and PA-675. 44 H 0119

Net 16.95

# MODEL PA-645 45-WATT P.A. AMPLIFIER 

Our Most Popular P. A. Ampllfier 45 Watts of P.A. Power!

## PA-645 SPECIFICATIONS

Combines 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 output is a full 45 watts RMS ( 50 watts peak), more than enough to drive even low-efficiency speakers to full output capabilities. Master gain control eliminates chance errors when making volume adjustments. Outputs: 4,8 , and 16 ohms to match a wide range of speaker impedances for maximum power transfer. Terminations on rear of chassis make possible optlonal B+ on-off switching with resultant tube and component saving. Comes complete with Amphenol 75 MClF connector and phono plug. Handsomely styled metailic green case with aluminum and green front panel. For $115 \mathrm{~V}, 50 / 60 \operatorname{cDS}$ AC. Size: $151 / 4 \times 10 \mathrm{H} \times 5 \mathrm{~K}_{\mathrm{c}}{ }^{\circ}$. Shpg. wt.. 30 lbs . 44 H 0130WX $\$ 5$ monthly

Net 64.95

## 45-WATT OUTDOOR SYSTEMS



No Money Down

- Lafayette Popular, Versatile 45 Watt PA Amplifier
- Choice of Deluxe Dynamic Microphones
- Three E.V 844A 30: Watt Weatherproof Speakers
- For Airports, Loading platforms, Railroad Stations, Country Clubs, etc.
- For up to 100,000 Square Ft. Area

Above system with Lafayette 99-4598 deluxe dynamic dual-impedance microphone with desk stand. Microphone can be hand-held or used with standard floor stand. Includes microphone connector. Shpg. wi. 59 lbs.
44 i 907 awx $\$ 7.50$ Monthly ..................................................... Net 134.95
Same system as above except with Electro.Voice 664 deluxe dynamic cardioid mike instead of Lafayette microphone.
44 H socowxm $\$ 9$ Monthly
Net 164.95
Same system as 44-9078WXM except with 2 Electro-Vaice 848A Wide-Range 40 -Watt CDP Compound Diffraction Projectors instead of 3 E-V $844 A^{\prime}$ 's. Shpg. wt., 67 Ibs.
44 H so79wxM $\$ 8$ Monthly
Net 159.95
Same as $\mathbf{4 4}$-9079WXM except with E.V 664 dynamic cardioid mike instead of Lafayette 99.4598 microphone.
44 H $9080 \mathrm{wxm} \$ 10$ Monthly
Net 189.95

## 45-WATT INDOOR SYSTEMS

Excellent for Large Halls, Department Store Music and Paging Systems, and Restaurant Music, etc.


- Lafayette 45. Watt Popular PA Amplifier
- $2-12^{\prime \prime}$ Special Heavy Outy 30.Watt PA Speakers, Each with

11/4 Ib. Ceramic Magnet and 20-14,000 CPS Range

- 2 Sturdy Attractive Walnut Wall Baffles for Speakers
- Choice of Deluxe Dynamic Mikes
- $2.35^{\circ}$ lengths of Speaker Cable.

Above system with Lafayette 99-4598 versatile dyamic microphone with dual impedance and desk stand. Can also be hand-held or used with standard floor stand. Shpg. wt., 60 ths. For 110.130 volts, $50 / 60$ cycles AC.
$44 \mathrm{H} \mathrm{s081wxM} \$ 6.50$ Monthly
Net 116.95
Same as above with Electro-Volce Model 664 dynamic cardioid microphone instead of Lafayette 99-4598.
44 H 9064 wxM \$8 Monthly
Net 146.05
parts guaranteed against defects in mal. erial and workmanship for 1 year. Ship defective part to us prepaid fur prompt replacement.

## 45-WATT PORTABLE PA SYSTEMS WITH MODEL PA-645



## 45-WATT INDOOR P.A. SYSTEMS <br> with LAFAYETTE 6-SPEAKER COLUMN SPEAKERS

Excellent for:
Auditoriums, Churches,
Theatres, Studios,
and special events.


Lafayette PA-645 45-Watt PA Amplifier
2 Each 30 -Watt 6 -Speaker Column Speakers
Choice of Deluxe Dynamic Microphones 2-35 Ft. Lengths of Speaker Cables

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 $301 / 4^{\prime \prime} \times 7^{\prime \prime} \times 31_{6}^{\prime \prime}$ utilizing 6 speakers for efficient reproduction of program ma. terlal. Shpg. wt., 61 Jbs.
44 H 9092 WXM \$7 monthly
Net 124.95
Same as above system except with Electrovoice 664 Cardioid Dynamic Microphone Instead of $99-4598$ microphone. Shpg. wt., 61 lbs.
44 H 9093wXM $\$ 8$ monthly
Net 154.95


LAFAYETTE 25-WATT SOLID STATE PA AMPLIFIER

## MODEL PA-625

- Designed for 12 or 6 VDC Mobile Operation
- No Warm-UpInstantaneous Operation


A compact solld state mobile P.A. amplifier designed to operate on 12 or 6 VOC. Designed for an output of 25 watts on 12 VDC. operates from either positive or negative battery ground systems. RF filter reduces noise pickup in mic. lead. Output windings are completely isolated (protects amplifier when used with auxiliary phono, tape recorder, etc.). Plug-in printed circuit boards simplifies servicing and assures highest possible rellabllity. Easily mounts on firewall or any similar location. Silicon transistors are used exclusively in preamplifier and driver stages. Low impedance microphone input (no transformer required). Output impedance are 4, 8, and 16 ohms. Controls: Microphone volume, aux. Volume/power. Size: $31 / 4 \mathrm{D} \times 63 / 6 \mathrm{~W} \times 41 / 4 \mathrm{H}$. Shpg. Wt. 4 lbs
44 H $0118 \mathrm{wx} \$ 5$ monthly

25-WATT MOBILE OUTDOOR SYSTEMS with PA. 625

SYSTEMS


Electro-Voice
844A Trumpet


As Low As $79^{95}$

Complete 25 -watt mobile outdoor system with PA-625 transistor mobile amplifier less phono top; with DC battery cable, plus ElectroVoice 844A trumpet. Lafayette 99 H 4577 push-to-talk dynamic mike, 1-35' speaker cable and necessary connector. Shpg. wt. 19 Ibs. 44 H 9084 WXM $\$ 5$ monthly

Net 79.95 Same as above except with 2 Lafayette PA.57 driver units and 2-University PH trumpets, instead of E-V 844A, with $2.35^{\prime}$ speaker cables. Shpg, wt., 69 lbs.
44 H so for full refund less only transportation charges. 1 YR. AMPLIFIER GUARAMTEE AII
parts guaranteed against defects in material and workmanship for 1 year. Ship defective part to us prepaid for prompt replacement.

## 75-WATT HI-POWER OUTDOOR P.A. SYSTEMS



A truly hi-power outdoor P. A. system for up to 200,000 square feet of coverage. Consists of: Lafayette PA-675 75 -watt PA amplifier, 3 University PH trumpets with 3 Lafayette 99 C 4507 driver units and Lafayette 99 C 4594 high impedance dyn. amic microphone with stand adapter, talk switch and 7' cable \& plug. Shpg. wt., 100 lbs.
44 H roscwxm $\$ 9$ Monthly
Net 184.95
Same as above except with Electro Voice 641 dynamic microphone with 18' cable instead of 99-4594 microphone. Shpg wt., 100 lbs. 44 M soe 7 WXM $\$ 10$ Monthly

Net 199.95 Same as $44-9086 \mathrm{WXM}$ excepl with 3 E-V 848 A projectors with 30-watt drivers instead of University PH trumpets. Shpg. wt., 100 lbs. 44 H 908awXM $\$ 11$ Monthly Net 224.55 Same as 44-9088WKM except with E.V 641 dynamic microphone. Shpg. wt., 100 lbs.
44 H gosswx $\$ 11.50$ monthly
Net 213.95 SEE PAGE 239 FOR 4-SPEEO PHONOTOP FOR ABOVE SYSTEMS,

## LAFAYETTE 75-WATT INDOOR PAGING SYSTEMS



Lafayette PA-675
75-Watt Amplifier



Lafayette $8^{\prime \prime}$ 10.Watt Speaker Baffle Combinations Pre-wired with Matching Transformer \& Volume Control

An ideat system for heavy-duty, high powered continuous performance; for paging or indus. trial music distribution, and dor extra-large auditoriums, schools, churehes, department stores, airports, efc. Included in these systems are 6 of the Lafayette pre-wired speaker-baffle combinations with $8^{\circ \prime}$ heary duty speakers rated at 10 watts each. prewired matching transformer for 70 -volt line with taps for $10,5,2.5,1.25$ and .625 watts per speaker, and individual volume controls. peaker lines. You can add more speakers, A screwdriver is all you need to connect watt-per-speaker department store or schoo you wish, at any time-up to 60 for a $11 / 4$ new Lafayette PA. 675 conservativer school installation, etc. In addition you get the great ed wic microphone with $18^{\circ}$ cable or the Lafayette type stand adapter, and cable. For 117 volts. 60 cps AC. Shpg. wt., 95 lbs .
Complete 75 -watt indoor system as described, less phono top, with E-V 641 microphone. 44 H go90wXM $\$ 9$ monthly
Same, with Lafayette 99-4594 microphone, instead of E.V 641.
44 N 9091 wxid $\$ 9$ monthly
Net 179.95
... Net 166.95 Additional Speaker Baffle Units. Imported. Shpg. wt., 7 Ibs.
99 H 4552W
Net ea. 14.95
Same system as $44-9090 \mathrm{wxm}$ except with 2 Lafayette 30 Watt, Column speakers containing 6 speakers each instead of 6 individuat eight inch 10 watt speaker-baffle comblnations. Shpg. wt., 81 lbs.
44 n sos4WXM
Same system as 99-9094WXM except with Lafayette $99-4594$ microphone instead Shpg. Wt. 81 lbs. 44 IN 5095wx

## Public Address Speakers And Sound Columns

NEW LAFAYETTE 6 SPEAKER
SOUND COLUMN
Only
$24^{95}$

- Reduces Reverberation and Feedback Problems
- Concentrates Sound Where Needed
- Power Handling Capacity 30 Watts

Prouldes Ideal PA system coverage of large audiences in auditoriums, schools, meeting rooms, churches, etc. Sound is concentrated where needed. Reduces re verberation and feedback problems. Six speaker system handles up to 30 watts of power. Impedance is 160 . Frequency response: $200 \cdot 10,000$ cps. Dispersion: $120^{\circ}$ horizontal, $30^{\circ}$ vertical. Dimensions: $31^{\prime \prime} \times 7 V_{4}^{\prime \prime} \times 3 V_{4}{ }^{*}$. Shpg. wt., 15 lbs. Imported.
99 H 4614WX
Net 24.95

## LAFAYETTE MINIATURE HORN



An excellent general purpose paging speaker of amazingly compact size. Ideal for portable PA systems, patios, etc. Long throw projection of $90^{\circ}$ dispersion offers maximum speech intelligibility in high noise areas. Compact size enables it to be mounted anywhere in aimost any position. Frequency response 400-12,000 CPS. Impedance 8 ohms. Power handling capacity 5 watts, 8 watts maximum. Com. plete with mounting bracket, 2 -conductor cable. Horn diameter 51/8", Depth $43 / 4^{* \prime}$. Imported. Shpg. wt., $12 / 2 \mathrm{lbs}$.
99 H 4508
Net 7.95

## 90․ DISPERSION PAGING SPEAKER

The hign power nanoling capacity combined with maximum intelligibility make this a superior unit for paging and talk-back applications, Frequency Response $250 \cdot 13,000$ cps. Power capacity 30 watts. Impedance 8 -ohms. $90^{\circ}$ Dispersion. Equipped with a universal mounting bracket, weather proofed. tropicalized with hermetically sealed driver unit. $9 \%$ " diam. $x$ 8'k." deep the speaker lends itself to use in any P.A. situation. Shpg. wt., $81 / 2$ lbs.
44 H 2501


Net 17.95

## LAFAYETTE 25.WATT DRIVER UNIT

FITS ALL TRUMPETS and PROJECTORS
Hermetically sealed weatherproof driver unit. Delivers 25 watts of power. Will fit any trumpet of projector of your cholce without modification. The widerange frequency response of 120-7,100 cps assures excellent reproduction of music and speech. 16 Ohm impedance. Size: $4^{\mu}$ Dlameter, $3.5 / 6^{\sim}$ depth. Imported. Shpg. wi., $3 y / 4 \mathrm{lbs}$ 99 H 4507


## University And Electro-Voice PA Speakers


(A) Model 848A. COMPOUNO DIFFRACTION PROIECTOR-a wide range horn and driver system using two way driver plus high and low frequency horns coupled to both sides of diaphragm. Delivers wide angle sound with extremely low distortion. Outer horn is fabricated of fiberglass and polyester resin for strength and resistance to corroston. Rating: 52 db . Power handiling capacity: 30 watts program. Response: $150-10,000$ cps. Impedance: 8 ohms. Dispersion: $120^{\circ}$ Universal U Mounting bracket. Dimensions: $101 / 2 \times 201 / 2 \times 20^{\prime \prime}$ $44 \mathrm{H} 2564 \mathrm{WX} \$ 5$ monthly Shpg. wt., 17 lbs.

Net 53.40 ( ${ }^{(2)}$ Model 844A. 30 WATT PAGING SPEAKER. Rugged diecast horn. Frea. response: 250 to 13,000 cps. ElA sensitivity rating: 54 db . Power handing capacity- 30 watts. Impedance 8 ohms; dispersion: $90^{\circ}$; for mounting: universal " $U$ " bracket. Dimensions: $97 \times 81 / 10^{\prime \prime}$ deep. Shpg. wt., $15 \frac{1}{2} \mathrm{lbs}$.

## 44 H 2509

Net 24.50
(C) Model PA-30A, 30-WATT PAGING PROJECTOR. Rectangular horn design for maximum versatillty, wide dispersion. Rugzed high impact horn. Smooth response for both voice and music: $250-14,000$ cps. 30 watts, 8 ohms. Dispersion: $120^{\circ} \times 90^{\circ}$ EIA sensitivity rating 59 db . $11 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 81 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $71 / 2$ lbs.
44 H 2515
Net 21.90
(0) Model PA-7. $71 / 2$ WATT PAGING PROJECTOR. Handes a full $71 / 2$ watts over a range of 400 to $13,000 \mathrm{cps}$. Wide $120^{\circ}$ dispersion angle provides exceltent coverage. 8 ohms. With mounting bracket for mobile applications. Size: $63 \mathbf{4}^{\prime \prime}$ diameter by $6^{\prime \prime}$ deep. 44 H 2508 Shpg. Wt., $31 / 4 \mathrm{lbs}$.

Net 17.85
(E) NEW MOOEL M253 WEATMERPROOF MULTICELLULAR HORN: for extremely precise control of dispersion in very demancing sound reinforcement appilcations. Ideal for large auditoriums, churches, and theatres. 10 individual exponentia! horns arranged in 2 rows. Dispersion, horizontal $120^{\circ}$, vertical $60^{\circ}$. low frequency cut-off 300 Hz . Adjustable brackets for wall or ceiling mounting. Size: $171 / 2^{\prime \prime} \mathrm{H}$ $\times 301 / 2^{\sim} W \times 361 / 20$ less driver.
44 \& 2570 wx $\$ 10$ monthly Shpg. wt., 28 ibs. ......Net 180.00
Model 182960 watt driver for use with Model M253. 4'/ro"L
44 H $2571 \$ 5$ monthly Shps. wt., 7 lbs.

UNIVERSITY PAGING AND TALK BACK SPEAKERS


MIL-A8

# As Low As $17^{85}$ 

18. ${ }^{\text {A }}$

Compact sized, weatherproof, highly efficient speakers for all PA installations. All equipped with swivel mount brackat. Also mounts to $1 / 2^{\prime \prime}$ pipe without accessory.
Model MIL-A8-Response: $\mathbf{3 5 0} 13,000 \mathrm{cps}$. Impedance: 8 ohms. Ideal for low power systems requiring high efficiency. Handles 10 watts. Dispersion: $120^{\circ}$. Size: $71 \% \times 6 \%^{\circ}$. Shpg. $\mathrm{vit}_{4}, 33 / 4 \mathrm{lbs}$.
44 H 8006
Net 17.85
Madel IB-A8-Versatile medium power speaker. Response: 250-13,000 cps. Handes 30 watts. Impedance: 8 ohms.
Dispersion: $90^{\circ}$. Size: $10 \times 94_{4}^{*}$. Shpg. wt., 4 lbs , 44 H 8003

Net 21.90


REFLEX TRUMPET. Highly efficient air column directional reproducer to give maximum intelligibility in areas of high noise level. Oesign of units listed below provide optimum sound distribution pattern, increases sound Intensity along speaker axis dependent upon diameter of horn. Made of heavy gauge spun aluminum, weather proof, gray finish. With universal "U" type mounting bracket, less driver unit. Type GH: 85 cDS cut off for music. Types LH and PH: 120 and 150 cps cut off for general use. Type SMH: 200 cps cut off for voice only.

| Stock No. | Model | Diam. | Lng. | Air Col. | Shpt. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44 H 8012WX | GH | 30\% ${ }^{\text {\% }}$ | 271/8" | 61/2" | 22 lbs | 50.70 |
| 44 H 8013 WX | LH | 255/8" | 19** | 41/2" | $161 / 2 \mathrm{lbs}$. | 31.20 |
| 44 H 8014 WX | PH | 204/4" | 153/4" | $31 / 2{ }^{\prime \prime}$ | $113 / 4 \mathrm{lbs}$. | 24.90 |
| 44 H 8015wx | SMH | 161/4" | 12" | 21/2" | 8 lbs . | 21.60 |

ORIVERS FOR UNIVERSITY TRUMPETS. $10-20$ is ideal for law cost general PA work; 10.30 is recommended for maximum speech intelIigibility. $10-40$ is recommended for critical P.A. and industrial requirements. $10-60$ is a supert driver with extra power handing capacity combined with maximum sensitivity.

| Stock No. | Model | Response (CPS) | Watts | Shpg. Wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 44 H 8018 | 10-20 | 120.6500 | 20 | 3 | 16.50 |
| 44 H 8019 | 10.30 | 100.7500 | 30 | $33 / 4$ | 19.50 |
| 44 H 8020 | 10-40 | 80-12,000 | 40 | $41 / 2$ | 24.80 |
| 44 H 8022 | 10-60 | 70-12,000 | 60 | 51/4 | 34.50 |

## ELECTROVOICE AND ARGOS PA SOUND COLUMN SPEAKERS



Electrovolice Model LR4A Curved LIne Radiator. Curved design overcomes unwanted high-frequency lobes at ends, eliminating echo and feedtack distortion components. Features nine $3 \times 5^{\prime \prime}$ and three $31 / 2^{* *}$ cone speakers. Dispersion: $160^{\circ}$ horizontal. $60^{\circ}$ vertical. Response. 200-15,000 cps. 25 watts program, 50 watts peak. Impedance 8 ohms. Beautifully finished in mesa tan. Size: $49 \times 7 \times \mathbf{1 3}^{\prime \prime}$. Shpg. wt. 30 fbs. 44 H 2502 WX $\$ 7$ monthly

Net 120.00
New Delure Electrovoice Model LR-7 Curved Line Radiator. Utilizes nine $5 \times 7^{\prime \prime}$ cone speakers and two 135 compression-diffraction speakers. Idealiy suited for large auditoriums, theaters, churches, etc. Power: 50 watts, 100 watts, freq. Response: $50-17,000 \mathrm{cps}$. 1/2" plywood cabinet. Size: $601 / 2^{\prime \prime} \times 11^{\prime \prime} \times 14^{\prime \prime}$. Shpg. wt., 64 jbs . 44 N 2569Wx $\$ 10$ monthly

Net 195.00
Electrovoice Model LR4SA-All-Weather Straight Line RadiatorImpervious, to damage from extremes in atmospheric conditions. Extruded aluminum cabinet is designed to withstand roughest usage outdoors. Utilized six $5 \times 7$ cone speakers. Power handling, 40 watt; Peak 80 watt. Freq. Res.: 200-10,000 cps. Dispersion $30^{\circ}$ vertical, $160^{\circ}$ horizontal, Impedance: 8 ohms. $481 /{ }^{\prime \prime} \times 6 \%{ }^{\prime \prime} \times 4 \%{ }^{\circ} 27 \mathrm{lbs}$, 44 H $2562 \mathrm{WX} \$ 5$ monthly

Net 90.00
ARGOS Model SD1060 Sound Olrector Column-Low priced 6-speaker system. Power: 30 watts, Impedance: 16 ohms. Frequency Response: $200-10,000$ cps. Dispersion- $120^{\circ}$ horizontal, $30^{\circ}$ vertical. Size:

$301 / 4 \times 7 \times 34{ }^{\times \prime}{ }^{2}$. Shpg.
44 H 1301 wx $\$ 5$ monthly

## LOWELL, LAFAYYETTE PA Baffles And Speakers



CR80-P


L35-P

## LOWELL FLUSH-MOUNTING PLASTIC SPEAKER BAFFLES

Decorative high impact styrene plastic baffles. White finish. LIghtwelght and durable - will not fade, chip or mar - Model ADS80.p has full $360^{\circ}$ dispersion. Self-tapping speaker mounting screws sup. plied.

| Stack No. | Type | Description | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 44 H 5014 | ADS80P | For $8^{\prime \prime}$ ceiling Spkr 10x10" | 802. | 2.95 |
| 44 H 5015 | CR80P | For $8^{\prime \prime}$ ceiling/ wall Spkr 10x10" | 802. | 2.75 |
| 44 H 5016 | L35P | For $31 / 2^{\prime \prime}$ intercom Sokr $41 / 2 \times 7^{\prime \prime}$ | 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 speakers. All hardware is furnished.

| Stock No. | Type | Destription | Wt. | Net |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 44 H 5020 | LK. 8 | For $8^{\prime \prime}$ Ceiling Speaker $131 / 4^{\circ \prime \prime}$ dia. | 2 lbs. | $\mathbf{2 . 4 0}$ |
| 44 H 5021 | CW- 8 | For $8^{\prime \prime}$ Ceiling Speaker $12^{\prime \prime}$ dia. | 2 lbs. | 3.71 |

## LOWELL FLAT TILE TYPE PANEL BAFFLE



## LOWELL RECESSED

## MOUNTING ALUMINUM BAFFLES

RS and $A L$ celling baffles are ideal for installation in homes, offices, restaurants, etc. Spun aluminum material has lacquer protected satin finish. Model AL features diffuser cone for full $360^{\circ}$ sound dispersion. Require protective speaker enclosures Type CP and XCP listed below).

| Stock No. | Type | Deseription | Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 44 H 5001 | RS-6A | For $6^{\prime \prime}$ spkr $10 \frac{1}{4 \times 7 / 4 *}$ | 1 | 2.53 |
| 44 H 5002 | RS-8A | For $8^{\prime \prime}$ sphr 123 (9x $4 / 2^{\prime \prime}$ | 1 | 2.50 |
| 44 H 5003 | RS.8A | Same as above but wh. enam. | 1 | 2.50 |
| 44 H 5004 | RS-12A | For 12"spkr 161/2x1/2" | 13/ | 3.83 |
| 4 H 5005 | AL6A | For $6^{\prime \prime}$ spkr 1012 ${ }^{\prime \prime}$ Dia. | $11 / 2$ | 3.78 |
| 44 H 5006 | AL8A | For $8^{\prime \prime}$ spkr $125{ }^{\text {cos }}$ Dia. | $13 / 4$ | 6.13 |
| 44 H 5007 | A 12 A | For 12" spkr 163/"Dia. | $31 / 2$ | 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.
Sufficient speaker back pressure on all
XCP 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. Shpg, wt.: Types CP1012. XCP1012-71/2 lbs.; Types CP84, XCP84, P875X. CW. $8-41 / 2$ lbs.; Types CP-6. XCP. $6-31 / 2$ lbs.; Trpe P22x - 1 lb .

| Stock No. | Type | For | 1.0. | O.D. | Depth | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44 H 5008 | CP-6 | AL6.A, RS6.A | 7\%/8' | 111/4" | 36" | $\frac{17}{}$ |
| 44 H 5009 | CP84 | AL8-A. RS8.A. 18 | 8\%" | 131/8" | 436" | 4.54 |
| 44 H 5010 | ${ }^{\text {CP1 }} 1012$ | AL 12-A. RS12-A | 121/2" | 171/2" | 71/8" | 6.22 |
| 44 H 5011 | XCP6 | AL6-A, RS6-A | $75 \%$ | 10\% ${ }^{\text {c/ }}$ | 41/8" | 3.25 |
| 44 H 5012 | XCP84 | AL8-A, RS8-A. M8 | 8\%** | 113/4* | 43/3" | 4.05 |
| 44 H 5013 | XCP1012 | AL12-A, RS12-A | 12\%" | $16^{\prime \prime}$ | 714* | 5.49 |
| 44 H 5017 | P875x* | AL8-A. RS8.A. M8, ADS80.P, CR80-P |  |  |  |  |
| 44 H 5018 | P22x** | L35P |  |  |  | 5.26 1.47 |
| 44 H 5022 | CP-200 | CW. 8 | $10^{\prime \prime}$ | 131/2** | $5^{\prime \prime}$ | 4.80 |



## BEST SELLING LAFAYETTE PA $\underset{8^{n}}{\text { SPA }}$ SPEAKERS

- Replace Standard $12 \times 121 / 2$ Acoustic Types Tiles
Type M8-Square steel type. Designed to match and replace standard $12 \times 12 x 1 / 2^{\prime \prime}$ acoustic tile blocks. Permits a completely hidden speaker system - for $8^{\prime \prime}$ speakers - speaker mounting hardware is furnished - Baffle is zinc chromate undercoated and finished in flat white lacquer $12 \times 12 \times 1 / 2^{\prime \prime}$. For proper enclosure see enclosure listing. Shpr. wt. 11/2" Ibs.
44 H 5019
Net 3.50

12" PA SPEAKER Full 15 Watts of Power
Designed especialiy 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. $3^{\prime \prime}$ deep. Has 10 az ceramic magnet. Shpg. wt., 5 lbs. 44 H 0102


Net' 6.75


Full 10 Watts of Power Ideal for lower power paging systems. Same quality as $12^{\prime \prime}$ speaker at left with ruaged mechanical construction. dust-proofed and rust resistant. except $8^{\prime \prime}$ diameter, rated at 10 watts, with 4.8 oz. ceramic magnet. 8 ohm voice coll. 27 e" deep. Shpg, wt.. 3 ibs. 44 H 0103

## LAFAYETTE HI-FI "THIN LINE" BAFFLE WITH SPEAKER

- Measures Only 21/4" Deep
- Perfect for Hi-Fi Extension Speaker or PA Use
The perfect speaker to furnish music or paging throughout your home, office or factory, this unique celling and wall baffle speaker offers fine audio reproduction. Advanced design employs an inverted magnet. placing the 12 oz . 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 pertect for stereo. Voice coil is $1^{\prime \prime}$ Diam. Frequency Response: $90-9,000$ cps. Impedance: 8 oomm. Overall size including metal baffle is $912^{\prime \prime}$. Requires $6 \$^{\prime \prime \prime}{ }^{\prime \prime}$ wall cutout. Imported. Shpg. wt., 3 lbs. 99 H 4505


## LAFAYETTE PORTABLE PA CASE $19^{95}$

## - 2 Baffles In One Case

- Room For Two 12" Speakers

A sturdily constructed case for amplifler and two 12" 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 $12^{\prime \prime}$ speakers, there is ample space for any amplifier and phono top measuring up to $163 / 4 \mathrm{~W}$ x $113 / 40 \times 10^{\prime \prime H} .173 / 4 \times 123 / 4 \times 22^{\prime \prime} 0.0$. Snpg. wt., 25 lbs . 44 H 0126 WX

# Microphone and Audio Mixers 



- Transistorized No Warm-up
- Compact and Durable
- Matches High Impedance Microphones
- Uo to 4 Input Channels

Now a stereo version of the popular Lafayerte mono mixer. Com. bines up to four microphones professionally into one stereo output. Each mike control independent of the other, permits fading of one input whilie increasing others. Controis high impedance microphones, recorders, phonographs or tuners. Output jack fits standard circuis phone pin plugs (RCA). Inputs are standard 2 -circuit phone plugs. Requires single 9 volt battery (not supplied). Size: $6 \mathrm{~W} \times 2 \mathrm{~V} / \mathrm{H}+3 \times 3 \mathrm{v} 2 \mathrm{D}$. Imported. Shpg. wt., 11/4 los.
99 H 4563
99 H co21 Battery for above
Net 2.95
Net 21

## LAFAYETTE TRANSISTORIZED MIKE MIXER



- 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 -circuit phone inputs, standard RCA phone plug output. 9 volt battery. Imported. Shpg. wt., 1 t/a lbs.

Net 4.85
Net .21

With this handy, small mixer you can announce titles before playing records, mix two high impedance microphone inputs or perform any other mixing operation where 2 high impedance input channels are converted to a single mixed high impedance input channel. Each input channel has its own easy acting level control for quiet mixing; all mounting in shielded, chrome plated housing. Has momentary switch to protect speaker while inserting into system. Has 2 RCA type female input jacks and one male RCA plug on output side Overall size $23 / 4 \times 13 / 4 \times 7 / \mathrm{s}^{\circ}$. Shpg. wt., $1 / 2 \mathrm{lb}$. imported. 99 H 1013

Net 1.69
AUDIO MIXER - Same quality and characteristics as above except output is standard Phone Plug. Size $31 / 4 x$ $13 / 811 / 3^{\prime \prime}$ overall. Imported.
99 H 1014
Net 1.79
AUDIO MIXER - Same quality and characteristics as above except output is standard Female Mike Connector. Inputs consist of 2 Male Mike Connectors. Size $21 / 4 \times 13 / 4 \times$ 7/8" overall. Imported.

Net 1.79

## BOGEN VP-18 SOLID

 STATE TRANSCRIPTION PLAYER- Perfect For Schoolrooms, Square Dances, etc.
- Precision - Built, Variable Speed Turntable
- Heavy Duty $12^{\prime \prime \prime}$ Speaker

The Bogen VP18 is a complete 10-watt partable transcription player, perfect for schoolroom, discotheque, square dances, efc. It reproduces both recordings and voice announcements with stunning clarity and ease of control. Precision-built, variable speed turntable, (preset click-stops at $16,331 / 3,45$, and 78 RPM, plus variable speed from 29 to 86 RPM). and automatic tone arm cueing. Amplifier features 10 watts continuous sine wave rating ( 15 watts peak). Hlgh fidelity performance- $45-18.000$ CPS $\pm 1.5 \mathrm{db}$. Heavy duty 12" speaker has a 10 02. ceramic masnet and comes with 25 feet of interconnecting cable. Front panel controls: microphone volume. phono volume, bass. treble, music-speech switch and power switch. Size: $153 / 4 \times 164 / 2 \times 107 /{ }^{\prime \prime}$. Shpg. wt., 30 lbs .
44 H sioiwx $\$ 8$ monthly
Net 140.50

## SHURE MICROPHONE MIXER



No Money Down

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 chahnel) 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 inputs or high level auxiliary input. Size: $2^{5} \%^{\prime \prime} \times 11 K_{0}{ }^{\prime \prime} \times 5 \%_{0}{ }^{\circ}$. Shpg. wt. 5 lbs.
44 H 7558 \$5 monthly
Net 73.50

## Microphone Stands - Booms - Connectors



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 th" 27 thread. Base dia. 10", finlshed in gray shrivel. Helght adj.. 35 to $63^{\prime \prime}$. Shpg. wt., 10 fbs.
4 H 1003
Net 6.90
Model MS-12C. As above but heavier and tube extends to $62^{\prime \prime}$. Shpg. wt. 12 lbs
41 in 1004
Net 7.35
Model MS.11C. As above but with full chrome finished base.
44 11005 $\qquad$
MS-146. Same as above, but gold finish.
4 H 1030 $\qquad$ Net 11.70 Model MS.12S "Sieeve Action" mike Stand. New mike stand featur. ing 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. Mt. 39 to $62^{\prime \prime}$. Base dia. $10^{\prime \prime}$. Standard thread. Shpg. wt., 12 lb. 4 H 1006

Net 14.10
Model CS 32 Demountable Stand. Revolutionary in design, this mike stand is fully collapsible to lit in amplifier 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. \$f ${ }^{\prime \prime}-27$ thread. Shpg, wt., 5 lbs.
441007
Net 8.40
Model Cs-33. As above but with Mt . adj. of $26-64$ ". Collapses to 221/2"
4 H ioos
Net 9.50

MS-25-Professional stand, featuring "Safety Air Lock Cushion." Prevents accidental slippage of telescoping section, smoothly lowers on cushion of air. Chrome and shrivel base, Ste"-27 Top.
44 H 1028 Shpg. wt., 22 lbs.
Net 18.60
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 "te". 27 thread.
44 H 1029 Shpg. wt., 2 lbs.
Net 2.85
Model DS-5. "Velvet Action" Desk Stand. Same quallity as floor models. Base dia. $6^{\prime \prime}$. Gun metal shrivel finish. Fixed ht. $4^{\prime \prime}$. 44 H 1009 Shpg. wt. 2 lbs, $\qquad$ Net 2.25 Model DS-7. Like DS-5 but with ht, adj. 8 to 13". Shpg. wt., 3 Ibs. 44 N 1010 Net 3.75
Model TS-8 Adjustable Stand. A decorative and fine appearing stand, suitable for use on a banquet table. Features quiet "Full Grip, Velvet Action" control. Adjustable from $141 / 2^{\prime \prime}$ to $26^{\prime \prime}$. Base diameter $\mathbf{8}^{\mathbf{\prime}}$. Fully chrome.finished base and tube assembly. Sh.pg. wi., 5 lbs. 44 H 1011

Net 6.90
Model BS. 36 Professional Boom Stand. Offers a removable $62^{\prime \prime}$ boom. "Safely Air-lock Cushlon" eliminates slippage. The gyromatic swivel joint at end of boom always keeps mike in proper position. Base is $17^{\prime \prime \prime}$ in diam., with shock mounted pads. Vertical adj., 48 to $72^{\prime \prime}$. All tubes super-chromed plated. Finished with "Snap-On" hangers for holding cable to boom. Shpg. wt., 33 lbs. Shipped express only. 44 H 1012WX $\qquad$ Net 45.00
Model B8-1 "Baby Boom" Attachment. Use with any mike stand. 32" long. $5 / 6=-27$ thread. Chrome plated, All swivel parts are precision die castings. Shpg, wt., $31 / 2$ lbs.
44 H 1013

Model GN-13 Goose Neck. $13^{\prime \prime}$ long for complete adjustment of mike $5 /{ }^{\prime \prime}-27$ thread. Chrome finish. Shpg. wt., 1 it.
$\qquad$ Net 1.00 Model GN.19. As GN13 but $19^{*}$ long. Shpg. wt., $11 / 2$ lbs.
44 H 1027
Net 2.55

## ATLAS 3-LEGGED STANDS

MODEL CS-52. Handsome, slim, low profile $15^{\prime \prime}$ gray base with chrome tube. Height adjusts from 34 to $62^{\prime \prime}$. Shpg. wt., 9 lbs.
44 H 1031
Net 7.5s
MODEL CS-42. Illustrated collapsed. Similar in design to above, but with $16^{\prime \prime}$ coltapsible base for easier portability. Shpg. wt., 9 lbs.
$44 \$ 1032$
Net 8.15

Mike Flanges And Extension Rods, For neat and permanent mounting. Fits $\$ /{ }^{\prime \prime \prime}-27$ mikes. Base dia., $114^{\prime \prime}, 3$ mounting holes with $7 / 8$ mounting centers. Extension rods, male on both ends. Av, shpg. wi., 6 ozs.
44 N 1015 AD-12 Male Flange $\qquad$ Net 6 44 H 1016 AD-11 Femate Flange
$\qquad$ Net 66 44 H 1017 AD. $86^{\prime \prime}$ Ext. Rod
$\qquad$ Mike Adapters. For adapting special fittings. Wt., 2 oz. Net 59 AD-1 5/8*-27 female to $1 / 2^{-}$male thread (RCA) 44 H 1018

AD-2 $1 / 8^{\prime \prime}$ female pipe to $5 / 8^{\prime \prime} .27$ male Net .62 | AD-2 $1 / 8$ |
| :--- |
| 44 |

female pipe to $5 / 8^{\prime}-27$ female AD-3 $1 / 8^{\prime \prime}$
44 H 1020 44 H 1020 long 5/8"-27 male running thread 44 H 1021 $\begin{array}{ll}40-5 \\ 4 / 8{ }^{\prime \prime}-27 & \text { femate to } 5 / 8^{\prime \prime}-27 \\ \text { female coupling }\end{array}$ 44 H 1022 female to $5 / 8^{\text {n}} .27$ femate (W. Net . 47 $A D-105 / 8^{-24}$ female to $5 / 8^{-27}$ female (W.E. Adapter) 44 H 1023 Model SW-1 Gyromatic Swivel. Permits any mike to be locked at any angle, $5 / 8^{* *}-27$ thread. $41 / 2 "$ long.
44 H 1024 Shpg. wt. I1/2 lbs. Net 3.45 Model SO-1 "Snap-On" Mike Attachment, Qulck and safe. For all mikes and stands. Two "Snap-On" sections.
44 H $1025 \ldots \ldots$ Net 1.95 Model LO-2 "Lock-On" for quick disconnect of mike from stand. Positive lock when on stand, push button release. Shpg. wt. 402. Net 2.40


ATLAB MICROPMONE ACCESSORIES


10-2


## 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 "DCD" high impedance (50K ohms) dynamic incorporates a new engineering concept designed to overcome the limitations on high quality wide frequency response imposed by ordinary single cartildge 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 $15,000 \mathrm{cps}$. Output is -56 db . Pattern is omnidirectional. Has non-inductive transformer to eliminate effects of external alternating fields. On-Off slide switch. Die cast body is finished in satin-black and gleaming chrome. Black metal dest stand. Comes with adapter for mig. on desk stand or floor stand and 54" detachable cable. Sizes: mike $61 / 3 L \times 11 / 4 " O . D . ;$ base $41 / 2^{\prime \prime}$ diam. Imported. Shpg. wt., 4 lbs. 99 H 4597

Net 19.95

## SLIM OMNIDIRECTIONAL DYNAMIC

- Dual Impedance
- Ruggedly Constructed
- Tiltable Head

An attractive dynamic microphone for use on any standard 5 /a"- 27 stand. Has wide frequency response of $100-10,000 \mathrm{cps}$. Output is -57 db . Dual impedance: (High 50 K : 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 are. 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 $13 / \mathrm{m}^{\prime \prime}$. Imported. Shpg. Wt., 3 lbs . 99 H 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, omni-directional Dynamic microphone. Designed for high quality PA applications. 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. Equipped with on-off switch. Freq. Response $10 n-10000$ cps. Sensitivity: 30 K at -58 db . Mylar diaphragm for "Doo" 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 $9 n o$
 detachable cable with mike plug at one end. Imported. 99 H 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 $100 \cdot 10,000$ cycles. Output -60 db . For use either as hand-held or on any standare $5 \mathbf{~}^{\prime \prime}-27$ desk or floor stand. Adadter supplied. Has 20 it. detachable cable with mike plug. On-off slide switch. Tapered metal case finished in satin-black and aluminum. Size: $7 \times 17 \mathrm{~m}^{\prime \prime}$ diam. Wire mesh grille for protection against "DoD" or wind blast. 99 H 4603 (less stand). Imported. Shpg. wi., 2 lbs.

Net 9.95
Heavy metal desh stand for above. Diam. $374^{\prime \prime}$. Shpg. wt., 2 lbs. 99 H 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 ( 50 K ohms) or low ( 250 ohms) selectable at cable end. Pattern is omnicirec. tional. Outout at high impedance is - 59 db . Frequency response Is $100-10,000$ cps. Has on-off switch. Ball screen insures against "pop" and wind blast. Die cast case is $64 / 4$ " long. Max. diam. of ball $21 \mathrm{~m}^{\prime \prime}$. Finished in satin aluminum. 6 ft . detachable cable with mike plug at one end. With black metal desk stand and adapter for any standard $5 / 8 "-27$ stand. An excellent general purpose mike. 99 H 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 and PA Applications

A high quality uni-directional dynamic microphone. Beautifully styled In a chrome-plated die cast frame that is equipped with an on-off switch. Specifically designed for recording, radio broadcasting, and public address applications. Features a "pop-proof" and "blastproof" mylar diaphragm, and superior anti-feedback properties. Frequency response $100-10,000 \mathrm{cps}$. Mike is tiltable. Dual impedance: ( 50 K and 250 ohms setected at cable). Output - 58 db . Complete with 20 ft . detachable cable with mike connector. For ail standard
 99 N 4545 Net 10.95


## LAFAYETTE PA DYNAMIC MICROPHONE

## - Press-to-Talk

- Integral Desk Stand
- 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.o Dynamic with omni-directional pattern, output of -60 db and frequency response of $50-9,000 \mathrm{cps}$. Metallic green finish. 7 ft . cable. Size: $71 / \mathrm{HH}$; base $51 / 2 \mathrm{D} \mathrm{I}$ $37 / 0^{-W}$. Shpe. Wt., $41 / 2 \mathrm{lbs}$.
99 H 4609 Net 12.95

## LAFAYETTE DYNAMIC MICROPHONE

- Dual Impedance

Feather-light, weighing only a few ounces, but heavyweight in performance, this dynamic microphone may be hand-held or mounted on the desk stand supplied. Both microphone and stand are gleaming brushed aluminum. Case is die-cast. Omni-directiona! pattern, Dual impedance ( 50 K and 250 ohms ) with output of -55 db . Fine frequency response $100 \cdot 10,000$ cps. Tapered for easy handling. Size: $472 " \mathrm{~L} \times 17 /{ }^{\prime \prime}$ max. diam. Streamlined base $43 / 4 \mathrm{LL} \times 3^{-}$max. W. Complete with 5 ft . detachable cord and connector. Imported. Shpg. wt., 2 Ibs. 99 H 4591 $\qquad$

## LAFAYETTE PA DYNAMIC

An exceltent general purpose dynamic microphone for $P A$ and paging, etc. Designed for fiexibility in use. it may be hand-held, mounted on any $5 / 8^{\circ-} .27$ stand of on lavalier cord. Frequency range $100-8,000 \mathrm{cps}$. output -57 db , high impedance ( 50 K ohms). Omnidirectional pickup pattern. Has on-off slide switch. Tapered body size $63 / 3^{*}$ long, max. 0.D. $114^{\prime \prime}$. Complete with $18^{\prime}$ detachable cable with mike connector, adapter for stand mounting and lavaller cord. Imported. Sheg. wt., 3 lbs.
99 स 4594
Net 7.95

## LAFAYETTE 3-WAY DYNAMIC

Uni-directional microphone has cardiod 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 $200 \cdot 10,000 \mathrm{cps}$, output -61 db . High impedance ( 50 K ohms) Case is high impact plastic finished in blue and gray. Chrome plated desk stand. Really "fly. weight" mike measures only 3 "t" $2 \times 1^{\prime \prime}$ max. diam. Complete with 5 Ht . cord, stand and lavalier cord. Imported. Shpg. wt., $11 / 2 \mathrm{lb}$. 99 H 4586
$12^{95}$


## SRLAFAYETTE MICROPHONES

## LAFAYETTE HEAVY DUTY DYNAMIC

## $12^{95}$

- 100-10,000 cps
- High Output


An especially rugged dynamic microphone leaturing a wide response of $100 \cdot 10,000 \mathrm{cps}$. and output of -55 db . High impedance ( 50 K ohms). Omnidirectional pattern, On off slide switch. Very heavy die cast case. Fin. ished in satin chrome. Mounts on any standard 5/8"-27 stand. Size: $4^{\text {"HxIxl. With }}$ 18 Ht . detachable cable with mike plug on one end. Imported. Shpg. wt., 3 tbs. 99 H 4590

Net 12.95


A fine quality general purpose dynamic microphone. Dual impedance selectable at cable end: high ( 50 K ohms) or low ( 600 ohms) frequency response $100-10,000 \mathrm{cps}$ with high mpedance. Output of -58 db . Omnidirec. thonal pickup pattern of $325^{\circ}$. Has on-off slide switch, Die cast, chrome plated case. Milie case measures $5^{\prime \prime} 1 \times 2^{\prime \prime} \mathrm{H} \times 2^{\prime \prime}$. Complate with 20 ft , detachable cable with mike connector. For all standard $5 *^{\prime \prime}-27$ stands. Imported. Shpg, wt., 3 lbs.
99 M 4581
Net 9.95

## LAFAYETTE <br> VERTICAL DYNAMIC MICROPHONE $6^{95}$

- Ideal For Tape Recording and P.A.
- Smooth Omnidirecticnal Sound Pickup

A highly versatile studio-type dynamic microphone which is equally at home with the tape recordist and public address sound systems. Lightwelght, it can be mounted on any standard $5 / 8^{\circ}-27$ stand. Has omni-directional polar pattern. Frequency response: $100 \cdot 10,000$ cycles. 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: $5^{\text {"Hxlyz"W}} \mathbf{~ W}$. Imported. Shpg. wt., $11 / 2$ lbs.
99 H 4559

- Complete With Desk Stand,
Lavalier Cord and Bracket and Floor Stand Adapter.
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 $5 / 8 " \cdot 27$ floor or desk stand with adapter supplied. Good clean reproduction. Frequency response $50-9,000 \mathrm{cps}$, 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 $54^{\prime \prime}$ cord. Black oval base is $33 /{ }^{\prime \prime} \mathrm{L} \times 21 / 2^{\prime}$ W. Imported. Shpg. wt., 2 lbs. 99 H 4587



## LAFAYETTE QUALITY CRYSTAL MICROPHONE

 home recorders and general applications. Frequency response 50 to 10,000 cycles. Output level - 52 ob provides ample output for use with low gain ampllfiers. Uses quality moisture sealed crystal; Die cast case in rich green baked enamel finish, with chrome grill. Com. pletely equipped with 5 feet of shielded cable. Mike may be used on any stand with $5 / 6^{\prime \prime}-27$ thread. Grill diameter $23 / 4^{\prime \prime}$. depth $41 / \mathrm{s}^{\prime \prime}$, helght $41 / 2^{\prime \prime}$. Imported. Shpg. wt., $31 / 2$ lbs.
99 H 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 sliver screen. $6^{\circ}$ cord. $2 h_{0}$ "L x 13 " " max. diam.; convenient to hold. Shpg. wt., $11 / 2$ lbs. Imported. 99 H 4595

Net 1.95

Lavalier Cord and Bracket


Economically priced, this is a good quality microphone for all general applications such as public address and home recording. Frequency response $\mathbf{6 0} \cdot 10,000$ cycles. Output level -52 db . Tilting head, attractive plaslic case. Can be used on any stand with $3 /{ }^{3} " .27$ thread. Completely equipped with $54^{\prime \prime}$ plastic covered shielded cable. Grill diam. $21 / 4^{\prime \prime}$, depth $31 / 2^{\prime \prime}$, height $4^{\prime \prime}$. Imported. Shpg. wt., 2 lbs.
99 H 4520
Net 2.95

## TINY CRYSTAL MIKE

Here is a microphone with a $360^{\circ}$ pickup, 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 plated. Standard $5 / 8^{\prime \prime}-27$ thread. Overall size $7 \mathrm{H} x$ 3"W complete with 4" cable. Imported.
99 H 4511 Shpg. wt., 2 lbs.

## LAPEL MICROPHONE



A sensitive general purpose crystal microphone designed to attach to your lapel for situations requiring both mobility and the full use of both hands. Only 15 's" 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 H 4510
Net 1.95

## LAFAYETTE DYNAMIC PA MICROPHONE W/SWITCH



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 im. pedance of 300 ohms and output level of -73 db at 1000 cps . Frequency Response: 300.2500 cps. Grey and black case, with push-to-talk switch. Imported. Shpg. wt., 1 lb .
99 H 4577
Net 3.95
An attractive, specially engineered general purpose crystal mike for desk-top or handheid use. Excellent frequency response. Output level - 55 db . Only $13 \mathrm{~s}^{\prime \prime}$ in diameter. Includes 5.ft. of shielded cable for connecthon to tape recorders, public address amplifiers and radios. Chrome plated stand. Imported. Shpg. wt., $11 / 4$ lbs.
89 H 4543
Net 1.95

Make Lafayette Your One Dependable Source for Everything in Electronics

LAFAYETTE C.B. bASE STATION MICROPHONES

95
Dynamic

## 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-falk button plus lock switch for prolonged transmission. 3 -conductors plus shield for normal relay or electronic switching. For Lafayette as well as other tube type CB transeivers. $33 / 4 \times 53 \times 73 / 4$ "H. Imported.
$99 \mathrm{H} 4607 \mathrm{Shpg} . \mathrm{Wt}$. $11 / 2 \mathrm{lbs}$. $\qquad$ Net 8.68

## DYNAMIC MICROPHONE

Same configuration as above but has oymamic element. Low impedance for use with transistorized CB equipment. Size and height the same. 90 M 4 cos $\qquad$ Met 11.85

## LAFAYETTE "MITY MITE" CB CERAMIC MICROPHONE

"Mity-Mite" With Sock!

- High Impedance, High Output

Expertly designed and professionally styled for real performance. Fits snugty in palm of hand for effortless operation. Features a "Long Lfe" ceramic element, high-impact plastic case. 4 ft . colled cord. Three conductors plus shield con. nected for electronic switching. Includes instruc. tion sheet for conversion to relay switching. For all high impedance input CB transceivers (tube type). $1 \times 11 / 4 \times 34 / 4-$. Imported. Shpg. Wt., 8 oz 09 n 4575


## 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 moblie 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 to.
53 H 4562
Net 6.55


## NOISE CANCELLING CB MIKE

- Push-to-Talk
- Retractile Coiled Cord

A high output ( -48 db ) low noise cardilold pattern PTT ceramic mike exceltent for mobile and base applications. Rugged high impact cycolac dark grey case with 3 conductors (one conductor shielded). Frequency response $300-3000 \mathrm{cps}$. For use with tubetype $C B$ equipment. With hangup clip. Less pluk. Shpg. wt., 1 ib.
44 H 4501 $\qquad$ Net 4.25


## BOOM MIKE/HEADSET

- Frees hands for Safe Driving
- Adjustable long-reaching Boom
Perfect answer to your CB and Ham mobile needs. For use with vox or foot switch for transonit-receive changeover. Ughtweight and comfortable. 8 ohm earphone has cushion for comfort and outside noise suppression. Crystal milte for high output and full modulation. Boom and headband adjusts to individual preference. Mike mounted on swivel. Finished in chrome and two tone plastic. With 5 ft ., 4 conductor cable. Imported, Shpg. wt., 1 lb . 99 H 2565

Net 3.98

## LAFAYETTE MINIATURE MIKES \& CARTRIDGES

TIE CLASP SUBMINIATURE MAGNETIC MICROPHONE


This tiny magnetic microphone can easily be concealed in ordinary clothing-ideal for detection and investigation purposes. May be used with a pocket recorder or transmitter for a completely concealed system to record or relay conversations. Decorative microphone is only $14 / \times 1 / 2 \times 5 / 16^{\circ}$, mounted on $14,0^{\circ}$ clasp. Frequency range, 200 to 5,000 cycles-more than adequate for perfect speech intelligibility. Impedance, Approx. 1600 ohms. With cord and minlature ping. Imparted. Shpg, wh., 3 oz . piug. Impo

(B)


## a. MINIA URE DYNANIC MIKE

Rugced-metal encased-to resist mechanical shock and variations in heat and hu. midity. Neasures only $1 \mathrm{~K}_{0}{ }^{\circ}$ dia. $55 / 16^{\circ}$ thick. High sensitivity in the volce range. Frequence response 300 to 5000 cps. 600 ohm imp:dance. Output -73 db . Includes $4^{-}$flexib e lead terminals. Imported. 4 ors. 99 H 4527

Net 1.59

## B. miniaruae carstal

An extremely sensitive and small crystal microphare used in hearing alds and other small apparatus. Can be used as lapel mike -miniature transmitter mike-for concealed locations. etc. Size only 1\%** $x 7 / 16^{\prime \prime}$ deep. imported. Shpe. wt., 6 ozs.

(D)
C. SUBMINIATURE MICROPHONE CAYSTAL Exiremely sensitive and small rectangular microphone for concealed locations, hearing alds, and other miniature equipment. Also sultable as a lapel or minlature transmitter mike. Imported. Only $13 \times 1 \times 1 / 4^{\prime \prime}$ deep. Shpg. wt., 4 ozs.
99 H 4518 Net 1.19
0. CRYSTAL cahtrioge

Crystal microphone cartridge with heavy fiexible rubber cushioned rim designed for speedy, economical repalr. Replacement for Astatic, Shure, and many other popular microphones. Overall diameter $2^{* \prime}$. depth $1 / 2^{*}$. Output - 52 db . Excellent frequency response. Imoorted. Shpg. wt., 8 ors.

# LAFAYETTE Musical Instrument Microphones 



A highly versatile magnetic guitar microphone identical in size, appearance and construction to the deluxe unit above. It has all the same features including individual power control of each string, but has one pickup, one volume control and a tone control. For $F$ hole guitars. Size: 101/2" long. Imported. Shpg. wt., 21/2 lbs. 99 H 4536

Net 6.95

## GUITAR MICROPHONE



- Complete with Volume and Tone Controls
- Magnetic Type Alnico V Magnet Migh impedance contact type microphone specially designed for use with gultar. Easlly mounted under strings without special attachments. Separate variable tone and volume controls permit wide adjustment to sult personal requirements. While in mounted position, microphone unlt can be raised or lowered easily on rod to create varying tonal effects. Supplied with 8 ft cable and attacted standard size phono plug for connection to amplifier. All metal. Finished in bright nickel or $F$ hole guitars. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$. S9 H 4517

Net 6.95


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 stand. ard phone plug at other for amplifier. 74" ard phone plug at other for ampli
long. Imported. Shpg. wt., 2
2 lbs. 99 Hi 4537

Net 5.50


## LAFAYETTE VOICE-ACTUATED MICROPHONE

- Tape Recording Automatically Controlled by Sound
- 6-Transistor Circuitry
- Electronically Controlled Relay
- Adjustable Threshold Sensitivity Control
- 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 Control-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 9 V battery. Imported. Shps. wt., 1 ib.
99 H 4604 (With Battery) Net 14.95
Net 21

## LAFAYETTE ACCORDION MICROPHONE



Now accordlan 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 H 4528

Net 5.95

## HARMONICA CONTACT MICROPHONE



Thls is a fine quallity, 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 $5 / 6 \mathrm{~W} \times 3 /{ }^{\circ}$ "D. Complete with 7 ft . shielded cable. Imported. Shpg. wt. 1201.
99 H 4516
Net 1.49


Easily attached to all stringed instruments. Provides rich reproduction. Clamp slips under sounding board cutout. With 8 ft . cable. $174^{\prime \prime}$ long. Avaliable with or without volume control. Imported. Shpg. wt., 12 oz. 99 M 4575 Less volume control $\qquad$ Net 1.95
99 H 4576 with volume control Net 2.49

## DYNAMIC MIKE FOR HOME RECORDING

- Ideal Mike for
 Home Recording
- Frequency Response: 100.10,000 Cycles 349

An outstanding Lafayette microphone for home use. Frequency response: $100 \cdot 10,000$ cps $\pm 10 \mathrm{db}$. Output level: -57 db at 1000 CPS. Impedance: 50,000 ohms. Complete with $5^{\prime}$ shielded cable. Size: $2^{\prime \prime} W \times 3^{\prime \prime} H \times 7 / 8^{-0}$. imported. Shpg. wt., 8 oz. 99 H 4502


MOOEL 254C
Attractive ceramic microphone with DPDT push-to-tallik switch plus lock swltch for fixed station operation-either relay or electronic switching. 7 foot 3 conductor (one shielded) straight cable. Response $80-7000$ cps. Output level - 54 db . Gray hammertone finish with chrome trim. $71 / 4 \times 37 / 2 \times 51 / 4^{\prime \prime}$ base. Shpe. wt., 3 tbs. 44 H 7003

Net 15.5*
MODEL 254X
Crystal version with output of -48 db. 44 M 7010 Net 15.58

## MODEL 454C

Single side band ceramic mike that is ideal for hams. Output level of $-\mathbf{5 2} \mathrm{db}$. Frequen cy response $300-3000 \mathrm{cps}$. Push-to-talk front bar plus locking switch gives choice of PTI or continuous VOX operation. For electronic or relay switching. Complete with colled cord that extends to 5 ft . Size $71 / 4 \mathrm{Hx} 51 / a^{\prime \prime}$ deep. Shpr. wt., 3 lbs.
44 H 7001 $\qquad$ Net 17.05
MOOEL 454X
Same as above but crystal with output of -48 db .
44 H 7004 Net 17.05


MOOEL 350C
Ideal for $C 8$ use. A rugged push-to-talk ceramic microphone wired for relay operstion. Extra-tough polystyrene case; hanger button and standard dash bracket are included. Also neoprene colted cord, 11 Inch retracted. $5-\mathrm{ft}$. extended. Output, - 54 db . Response, $80-7000 \mathrm{cps}$. Dark grey finish. Shpg, wt., 1 lb .
44 H 7002
Net 7.35

## MOOEL 355C

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 cps . Tough plastic case. Complete with 5 ft . coiled cord. Snpg. wL, 1 lb.
44 H 7005
Net 7.35

## REPLACEMENT CARTRIOGES

Crystal for models 254, 255, 256, 350x, 60X, 162. 166. BX, CX, SR20X, 15X, 35X. 44 H 7008 $\qquad$ Net 3.21 Ceramic interior for 254C, 350C. 356C, 8 XX . CX, 20X, 25X, SR-20X, 166, 807, SR807. 44 H 1009 $\qquad$ Net 3.11


mDOEL 700 Cardiold Dyamic
Cardiod 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 HI or 150 ohm . Works with any amplifier. $40-15,000$ cps response. Die cast case; satin chrome finish. Professional model, has 20 tt. cable and stand adapter. Shpg. wt., 3 lbs. 44 H $7022 \$ 5$ monthly $\qquad$ Net 54.10

MooEL 701 Cardioid Oynamic
P.A. version of model 700 Hi impedance with 12 ft . cable and phone plug. Shpg. wt., 3 tos. 44 H 7023 \$5 monthly $\qquad$ Net 36.46

## MOOEL 600 OYNAMIC

Highly directional cardioid pattern rejects background noise-no feed back "howi." For hand-held or stand use. Response 50 . $15,000 \mathrm{cps}$; output - 55 db . High impedance. Die cast case. Size: $6 \times 156^{\circ "}$ Diam. With on. off switch, stand adapter and 12 ft . cable. Shipg. wt., 3 los.
44 H 7017 \$5 monthly
Net 3499


## C.B. MIKES WITH BUILT-IN 2 TRANSISTOR PREAMPS

" $M+2$ " MOBILE MIKE increases signal strength and pange. Frequency $300-3500 \mathrm{cps}$. Preamp has volume control on rear to adjust modulation for best performance. Complete with battery, dash bracket and 5 ft . coiled cord. For sets with relay switching.
44 H 7018
Net 23.23
44 H 7019 Same for electronic switching

Net 23.23
" +2 " BASE STATION MIKE increases signal strength and range! Frequency response of 300.3500 cps. Push-to talk bar with locking switch permits normal PTT operation or VOX. Works with all sets-Relay or Electronic switching! 3 conductor, 1 shield blue colled cord. Finished in blue and chrome. Output impedance 5000 ohms. Battery included.
44 N 7016 Shpg. wt., 4 Ibs.
Net 29.11

$\qquad$

LAFAYETTE PROFESSIONAL DYNAMIC


- Specially Designed for Transistorized Recorders


Recommended for all high quality recorders and particularly solidstate units. Has a wide frequency response of $80-15,000 \mathrm{cps}$. High impedance ( 10 K ohms) with an output of - 65 db . Die cast satin-blach body with aluminum trim. Slim tapering design. May be hand-held. used on desk stand supplied or mounted in any \$/"-27 stand. Black stand with aluminum trim. Mike is $51 / 2^{\prime \prime} 2 \times 1^{\prime \prime}$ dia. with 8 ft . attached cord and plug. Stand is $44 \times 24 / 2^{\prime \prime}$. Imported. Shpg. wt., 2 ibs 99 H 458

Net 14.95

## KINEMATIX "IMP II" FM WIRELESS MIKE

## $\because 95$

A transistorized FM transmitter and microphone, so small it can be concealed in shirt pocket or cigarette box, yet transmits up to 200 feet with perfect clarity to any 88.108 MC FM receiver. Has hundreds of practical uses - for theatrical and TV productions, PA systems, security survelllance work, plant inventory, babysitter, uard against prowlers, survey wort and many other applications requiring remote guard against prowlers, survey wort and sound pich-up (concealed or otherwise) without bothersome wires. Approved by FCC. Comes complefe with leather case and bulit-in super-sensitive pin-head mike. Also has input for any low impedance ( 1000 ohms) mike. Tunable between $88-108 \mathrm{MC}$, freq. response $30-20,000 \mathrm{cps}$. Sire: $3 \times 14 / 421 / 4=$. Requires 1 battery (iisted below). Shpg. wt., 1 tb
Shpg. Wt.1 Mo. ID IMPII/M-222 $\qquad$ Net 29.95
32 H 4671 Battery for above units. Pkg. of 2, Shpg, wt., 2 oz.
Net 2.62

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 pattem gives wide coverage. Wide range response from 100 to 10,000 cycles, High impedance: 50 K ohms. Output -64 db . All metal. Die cast base and mike finished in handsome satin-chrome. 5 ft cable terminates in fight angle standard phone plug. Mike only $37 / 0^{\prime \prime} \mathrm{Lx} 3 / 4^{\prime \prime}$ diam. Stand $354{ }^{\circ} \times 21 / \mathrm{s}^{\prime \prime}$ with stand, lavaller cord and bracket and stand adapter. Imported. Shpg. wt., 2 lbs.
99 H 4592 Net 7.95


# ElectroZoics Popular Priced Microphones $\in \mathcal{V} / 29$ <br>  <br> Model 729 is the lowest priced cardioid 

## 664 VARIABLE "D" CARDIOID DYNAMIC

A cardioid variable "D" (variable distance) microphone designed for top quality PA ap. plications. Highly desirable cardloid pattern provides a significant front-to-back signal ratio to suppress noise, reverberations and feedback. Allows close talking without boom. ing base, air blasts or distortion. Non-metallic diaphragm is shielded against dust and magnetic particles. Resistant to extreme conditions of humidity. temperature and vibration. Response $40 \cdot 15,000$ cps. Output level - 58 db . High impedance easily lowered to 150 ohms. Standard $\$ / s^{\prime \prime-27}$ thread. Satin chrome finished die-cast case, with ON-OFF switch and $16 \mathrm{ft}, 2$ conductor shielded cable. $11 / 0^{\prime \prime}$ dia, $71 / 4^{\prime \prime}$ long. Shpg. wt., 2 lbs. 44 H 25.32 ....................................Net 51.00 664 G Same as above but gold finish. 44 H 2533 ......................................Net 54.00 664A-Same as above but non-reflecting gray finish.
44 H 2535 .....................................Net 51.00 419 DESK STAND. For model 664 44 H 2534 Shpg. wt., 3 lbs. ........ Net 7.80

## 676 CONTINUOUSLY VARIABLE.D CARDIOID DYNAMIC

Radically new design brings professional quality to public address, recording, communications and other reneral purpose applications. Continuously-Variable-0 principle assures unlform, symmetrical cardioid pattern at all frequencles. Response 40 to 15.000 cps . 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. Slim design-full view of speaker. Use hand-held or with stand clamp supplied. Rugged diecast case. Acoustalioy diaphragm. 150 ohms or Hi.2; impedance changed by moving one wire in cable connector. Output -58 db. Satin chrome finish. 16' cable. Size: $7 \%{ }^{\circ}$ - lang $\times 14 / 4$ dia. Shpg. wt., 3 los44 H 2522

Net 60.00 Model 676G. Same as above but gold finish. 44 H 2523 Net 66.00 Model 676A. Same as above but non re. flecting gray finish.
44 H 2524
Net 60.00

## 627 'SINGLE D" CARDIOID DYNAMIC

Directional pick-up reduces feed-back. Acoustalloy diaphragm provides smooth response of $60.12,000$ cps. Output - 58 db . High Impedence. Protective shield prevents "pops." For hand-held, floor stand or podium use.

Rugged die cast and internal shock mount. Complete with on-olf switch. With stand adapter and 16 ft .2 conductor shielded cable. $53 / 4$ " $4 \times 3 / /^{\prime \prime}$ dla. Shpg. wt., 3 lbs.
44 H 2567
Net 40.00
built. It is designed for PA, ham, home stereo recording and general use. Reverberation and leedback reduced by $67 \%$. Front pickup nearly twice that of pressure mikes. Output -60 db , response $60-8,000 \mathrm{cps}$. High Impedance. May be used in any climate Metal-gray casing, supplied with attractive desk stand and floor stand adapter. Complete with $81 / 2 \mathrm{ft}$. cable. Size $81 / 4 \times 11 / 2 \times 13 / \mathrm{m}^{\prime \prime}$. Shpg. wt., $11 / 2$ lbs.
44 H 2536
Net 14.70
Model 729SR. Same as above, with leaf switch to close relay circuit and 3 cond. (1 shielded) cable.
44 H 2537
Net 15.90


## 727 SLIM CERAMIC

Smart new mike with desk stand and floor stand coupler. Heat resistant ceramic element. 60.8000 cps, output -55 db ; HI-2, 5 ft . cable. $73 / \mathrm{x} \times 13 / 8 \times 14 / 4$ ". Shpg. wt., $11 / 2$ lbs. 44 H 2526

Net 12.00
727SR. Same as above but with leal switch to close relay circuit and 3 cond. (1 shielded) cable.
44 H 2527
Net 14.10

## 911 "MERCURY" CRYSTAL

High output omnidirectional unit for general use. $50-10,000 \mathrm{cps}$, high impedance, -50 db output level. On-Off switch, chrome case, 16 ft . cable, standard thread. $61 / 4 \times 23 / 8 \times 2 \% / \mathrm{a}^{\prime \prime}$. Shpg. wt., 3 lbs.
44 H 2528
Net 22.50

## 924 CRYSTAL LAVALIER

Omnl-directional crystal lavalier for chest or hand use, supplied with neck cord and support clips. High impedance. $60-8000$ cps, output level - 60 db . $18^{\prime}$ cable. $3 \%_{2}^{\prime \prime}$ long, $137^{\prime \prime}$ diameter. Shpg. wt., 11 lb . 44 H 2530


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. Shps. wt., 4 lbs.
44 H 2551
Net 7.80
Type 419. Similar to above but for largetype studs such as 644,664 , and 665. 44 H 2534

Net 7.80

TYPE 428. TOUCH-TO-TALX DESK STAND. Accepts microphones with standard $\$ /$ an $^{\prime \prime} .27$ threads. Blade type switch. DPDT, with locking button. Satin chrome finish. Size: $7^{\prime \prime} \mathrm{H}$. base $51 / 0^{\prime \prime}$ dia. Shpg. wi., 2 lbs.
44 H 2554 ............................ 18.00

High output level, higher impedance. Ideal for paging, recording. P.A. etc. Integral on-off switch. Frea. $10-10,000 \mathrm{cps}$. Output -57db. With 16 ft . cable, standard $\$ /{ }^{\prime \prime} .27$ stand connector. Case is die-cast chrome with gray hi-impact plastic. $41 / 2 \times 13 / 4$ " dla. Shpr. wit., 1 lo.
44 H 2557
Net 23.70

## 630 HI-OUTPUT DYNAMIC

A quality microphone resistant to heat and humidity. $60-11,000 \mathrm{cps}$. output level - 55 db. On-Off switch, tlitable head, chrome fin. ish. High impedance output. 16 ft. cable $\mathbf{2 "}^{\prime \prime}$ dia. $61 / 4$ " long. Shpg. wt., 3 ibs. 44 H 2518

Net 31.50

## 624 PA LAVALIER

Economical Lavaller, for chest or hand use. With neck cord, clip and $18^{\circ}$ cable. Gray finish. Output $-56 \mathrm{db}, 100-7000$ cps. Hi-2. 31/9"x14/4".
44 H 2520 Shpg. wt., 1 ib.
Net 27.00

## G47A LAVALIER DYNAMIC

Tiny slie with big performance. 60-12,000 cps. Mi-Z or High Impedance. Output level, -60 db .18 ft . cable. Complete with neck cord. Size: $374^{\prime \prime} x^{3 / 4^{\prime \prime}}$ Dia. Shpg. wt., 1 lb . 44 H 2519

Net 49.50

Depend on Lafayctte for Complete Stocks, l.owest Prices, Fastest Service

# Professininal and Special Purposes Micioppopones Electrozoficc 



## 635A BROADCAST DYNAMIC

- Top Quality, Professional Use Microphone
A popular design microphone now redesigned and impro eed. Omni-directional pick up pat. tern perfect for use by entertainers and vocalists. For desk of floor stand or hand held use. The rugged steel case is finished in matte satin chrome with magnetic shield. ing. light weight. slim and attractively styled. 4 stage pop and dust filter elimi. nates need for external wind screen. Response: $60.15,000$ cps., output - 55 db , low impedance. Features Acoustalioy dia. phragm. Supplied with $18^{\prime} 3$ cond. cable and cannon $\mathrm{XL}-3$ connector. Convenient mi. crophone size: $6^{\prime \prime}$ long $\times 13 \mathrm{c}^{\prime \prime}$ diameter at head. Shpg. wt., $11 / 2 \mathrm{lbs}$. 44 H $2559 \$ 5$ Monthly ................Net 49.20


## 654A "SLIM-TRIM" DYNAMIC

Response, $50 \cdot 16,000$ cps. Output -57 db . Use an stand, in hand or as a lavalier. Matches all low impedance. $3 /{ }^{\prime \prime}-27$ thread. XLR. 3 connector. $18^{\prime \prime}$ cable, Gray finish. size: $7^{\prime \prime}$ long $x$ 14 $10^{\prime \prime}$ dia. With clamp and neck cord. Shos. wt. $11 / 2$ ibs. 44 H $2540 \$ 5$ Monthiy

Net 60.00

## 649B MINIATURE DYNAMIC

Tiny size with big performance. Weighs 31 grams (less cable) $60 \cdot 12,000$ cps. Low impedance. Output $=61 \mathrm{dD}, 30 \mathrm{ft}$. cable. Complete with neck cord belt clip. Size $21 / 4 \mathrm{~L}$ $x$ 3/4" dia. Shpg. wt., 1 lo.
44 H $2541 \$ 5$ Monthly

## RE-15 SUPER CARDIOID

- Continuously Variable "D"

A dynamic cardioid. Directional control so effective that frequency response of 60 . 15,000 cps is virtually independent of angular location of sound source. Greatest rejection at $150^{\circ}$. Has base tilt switch to maintain spectrum balance for boom use. Impedance: 150 ohms. Output: -55 db . EIA sensitivity rating: -149 db . Non-reflecting matte satin nickel finish steel case. Has 18 ft . cable with Cannon XLR 3-11 connector, 310 stand coupler. and
 wt. 2 los.
44 H $2568 \mathrm{Y} \$ 8$ Monthly
Net 153.00

## 644 "SOUND SPOT" UNI.DIRECTIONAL LINE MICROPHONE

A combination cardioid and distributed front opening makes this the most directional mi. crophone ever. Has better than 2.5 times the working distance of pressure types. CancelIation from the rear and sides exceed 20 db giving virtualiy complete rejection of unwanted sound. The effective front acceptance angle is $45^{\circ}$ each side of center giving best isolation of individual performers. High reduction of wind noise and low sensitivity to shock. Smooth response from 40 to 10,000 cps, high output- 53 db , dual high and low impedance selective. The case is high-pressure diecast zinc. Rear dlameter $2 \% 0_{0}{ }^{\circ}$, length $16^{\prime \prime}$. Cable is 16 ft . Shpg: wt., 3 ibs.

Net 66.00

## 714 CERAMIC COMMUNICATIONS

A new high output, ceramic moblle communications microphone for paging, ham radio. and citizen's band use. Molded, tough "Cy. colac" case assures long life and protectlon from accidental shock damage. Response tailored for maximum intelligibility. High level, high Impedance output -55 db over range of 100 to $7,000 \mathrm{cps}$. OPOT switch shorts microphone in "off"" position and closes relay circuit in "on" position. 3conductor colled cord $10^{\prime \prime}$ retracted. Com. plete with hang-up bracket. Size: $21 / 2 x$ $1 \mathrm{Kt} \times 3 \mathrm{~s} / \mathrm{M}^{\prime \prime}$. Shog. wt., 1 lb . 44 H 2545

Net 9.90

## 719 "PRESS 70 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. Hi-Z. output - $56 \mathrm{db}, 70.7 .000$ cos response. Complete with $61 / 2^{\circ}$ cable. Shpg. wt., $21 / 2 \mathrm{lbs}$.
44 H 2560
Net 16.50

## TYPE 5028 MATCHING

## TRANSFORMER

Matches 150 ohm to $\mathrm{Hi} Z$ amplifier. Input $20.20,000 \mathrm{cps} \pm 1 \mathrm{db}$. Size $3^{2} \frac{1}{2} x^{2} 1^{\prime \prime}$ dia. Shpg. wt.. I 16. 44 H 2566

Net 9.90

## ASTATIC MICROPHONES



## MODEL D. 104 MICROPHONE

Used extensively by radio amateurs for its high intelligibility and "punch." Responds with rising characteristics from $500-4,000$ cps. High output sealed crystal element. Out. put level - 46 db . Chrome finished mesh gritle and body. With $5 . \mathrm{ft}$. cable and adaptor to 5 ( $0^{\prime \prime}$. -27 thread. Shpg. wt., $13 / 4$ lbs. 44 M 1401 Less Stand

Net 18.23
MOOEL GO-104. Same as 0.104 except with krip-to-talk stand, SPST switch. 44 H 1402 Shpg, wt., 4 los.

Net 30.11

## MODEL UC8-D104

The 0-104 microphone with the UG8 grip-totatk stand. OPOT switch.
44 H 1403 Shpg. wt., 4 lbs
Net 33.05


MODEL UG8 STAND
Die cast. all metal with bar activated OPOT leaf-switch for elther momentary or "lock. on." Two switch sections. Nolse free, silver contacts rated up to 3 amp OC. 8 terminals for connections. 6 ft .. 4 conductor cable. Chrome and gray. $51 / 2^{\prime \prime}$ diam. $\times 81 / 4^{\circ} \mathrm{H}$. Shpg. wt. $21 / 2$ tbs.
44 H 1404
Net 17.61

## IT. 30 CRYSTAL MIKE

Dependable high output crystal microphone for PA and recording use. Response 30.10.000 cDs . Output - 49 db , high impedance ( 1.5 megohms). Complete with base and detachable 8 -ft. cable. Streamline die-case case with gray Hammerlin finish. Size $8^{\prime \prime}$ high (with stand), $2 \mathrm{~K}_{0}{ }^{*}$ dia, grille, $51 \mathrm{~g}^{\prime \prime}$ dia, base. Shpg. wit., 3 los.
44 H 1407
Net 10.82

MODEL 332 CRYSTAL MIKE
For general purpose use. Response $30 \cdot 15,000$ cps. Output - 54 db , high impedance. Die. cast housing. Satin chrome finish, chrome cap and black grille. 8 ft . single conductor cable. Built-in ON-OFF switch with lock-on provislon. With lavalier and stand adaptor for $5 / 9^{\prime \prime}-27$ thread. $41 / 2^{\prime \prime}$ long, $11 / 4^{\prime \prime}$ dia. Shpg. wt., 1 lb .
44 H 1405
Net 10.53
44 H1405 For above. Shog. wt., $1 / 4$ Net
It.
44 H 1406
Net 1.44

## MODEL 150 RECORDER MIKE

Weighs only 3 ounces. Response $30-10,000$ cps. Output -44 do , high impedance. Grey impact-resistant case, aluminum anodized grille. 5 ft . single conductor cable. Size $2 K_{0} H \times 2 K_{0} W \times 11 / 4{ }^{\circ}{ }^{0}$. Shpg. wt., $3 / 410$. 44 H 1408

Net 3.82

## MODEL 151 CERAMIC MIKE

Similar to Model 150 but ceramic type. Out. put -48 db . Response $30-8000 \mathrm{cps}$. Shpg. wt. $3 / 4 \mathrm{lb}$. 44 H 1409

Net 3.82

## 531 HAM AND CB MOBILE MIKE

Ceramic mike with response $150-3500 \mathrm{cps}$ with 6 do rise in 200 cps range for maximum clarity. Semidirectional polar pattern. Fully shielded; output - 50 db ; high impedance. With press-to-talk switch, hi-impact housing and 3 -conductor (one shielded) coiled vinyl cord which extends to 5 ft . Size $27 / \mathrm{wx}$

44 H 1410
Net 7.50

# SHUEE Microphones Broadcasting-PA-and General Purpose 




MODEL 585SA. Rugged dynamic cardioid "pOp"-proof unit with wire-mesh spherical screen. Feedback free. Response $50-15,000$ cps. High impedance. Output - 57 DB. Chrome and blach case. Has on-off switch, adjustable swivel stand adapter and 15 ft . single conductor shielded cable with MCIF connector. Size: $63 / 4 \times 1$ 1\% ${ }^{\prime \prime}$ diam. 3 Hbs, 44 H 7552 \$5 monthly $\qquad$ Net 38.22
MOOEL 585S8. Same as above except low Impedance, output - 59 db and 2 conductor cable with MC2M connector.
44 H 7553 \$5 monthly $\qquad$ Net 34.10
MODEL 585SAV. SImilar to 585SA but instead of on-off switch has bullt-in volume control to change loudness without adjusting amplifier controls. Shpg. wt., 3 tbs.
fier controls. Shpg. Wi
$44561 \$ 5$ monthly
Net 42.63

## UNISPHERE 1

MODEL 565. Similar to Model 585SA but dual impedance; low imp ( 50.250 ohms) output -57 db , high imp - 55 db . Response 40. 15,000 cps. With swivel adapter and 18 ft . 3 cond. detachable cable with MC4M plug. No switch. Shpg. wt., 3 lbs.
44 H $7554 \$ 5$ monthily $\qquad$ Net 55.86
MOOEL 565 S . Same as above but with on-off switch. Designed for milhe stand use only. Shpg. wt. 3 ibs.
44 H $7562 \$ 5$ monthly $\qquad$ Net 58.80
MOOEL 566. Deluxe Unisphere II unidirectional dynamic with bulit-in vibration isolation shoch mount. Output of -55 db . Oual impedances of either 30.50 ohms or $150-250$ ohms. Three-position switch selects either impedance or "OFF" posttion. 18 ft . 2 conductor shielded cable - Camon XLR 3-11C connector. Chrome plated die cast case. Accessory adapter for use where ON-OFF switch requlred. For mike stand use only. Size: $5 \mathrm{H}_{4}{ }^{\text {LL } L} \times 2 \mathrm{k} \mathrm{m}^{\prime \prime}$ dia. Shpg. wt. 3 lbs. 44 i 7559 \$5 monthly

## SPHER-O.OYNE

MODEL 533SA. Omnidirectional dynamic probe type. Ideal for entertainers, lecturers. Spherical front with bulit-in wind, breath and "pop" filtep $40-11,000 \mathrm{cps}$. High impedance. Output - 55 db . On-off switch, swivel stand adapter and 15 ft . single conductor cable. Chrome case. $61 \%_{2} \times 2 y_{0}{ }^{4}$ dla. $21 / 2$ lbs. 44 H 7555 case. $61 \%_{2} \times 2 \%$ dia. $24 / 2$ ibs. 29.40

SHURE 55SW "UNIDNYE II"
An unusually rugged dynamic microphone for deluxe sound systems indoors or outdoors. 50 to 15,000 cps. response. Ultra-Cardioid pickup prevents feedback. A tavorite of performers and public 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; $5 / 8^{*}-27$ thread. 18 ft . 2 -conductor cable. $73 \mathrm{~g}^{\prime \prime} \times 2 \mathrm{~K}_{0}{ }^{\prime \prime} \times 3 \mathrm{k} \mathrm{om}^{\prime \prime}$. Wt., $31 / 2 \mathrm{lbs}$. 44 H $7501 \$ 5$ monthly $\qquad$ Net 49.98
MODEL 55S. Same as above, without on-off switch. Shpg. wt., $31 / 2$ lbs. 44 H $7502 \$ 5$ monthly $\qquad$ Net 48.80
MODEL 556S. Deluxe version of 555 . Closer tolerances: wider response $(40$ to 15,000 eps). Shock mounted. Cannon XL-3-11 connector. 20 ft . 2-conductor cable. $31 / 2 \mathrm{lbs}$. 44 H $7503 \$ 5$ monthly_ Net 79.38

## SHURE 545S "UNIDYME III"

Slender dynamic unit with completely symmetrical cardioid 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. 40 to 15 ,000 cps. Dual impedance. Outputs: $50-250$ ohms -57 db ; hi-2, - 55 db . Chrome, blach, On-off switch; swivel mount. 18 ft . 3 -conductor cable $51 \% 0^{\circ} \times 11 / 4^{*}$ dia. 3 lbs . 44 H $7504 \$ 5$ monthly $\qquad$
MODEL 545. As above, in probe design, ideal for hand heid use. Without on-off switch. Swivel stand adapter included.
44 H 7505 \$5 monthly _ Net 49.98 MOOEL 545L. Multiple use Unidyne III dynamic. For lavalier, stand-to-hand, or goosenech mounting. Frea: $50-15,000^{\prime}$ cps. Low impedance. Output: -57.5 dD . With lavalier cord and cilip assembly. 20 ft . two-conductor cable. Blach and chrome case. Slze: 51/s $x$ 11/4" diam. Shpg. wt., 2 lbs.
44 H 7556 \$5 monthily $\qquad$ Net 41.16
MODEL 546 BROADCAST UNIDYNE III
Similar to above but shock mounted; closer tolerance, impedance switch for $50-250$ ohms. Swivel mount. Cannon XLR-3-11 C connector 20 ft . 2 -conductor cable. $34 / 2 \mathrm{lbs}$. 44 H $7506 \$ 5$ monthly ___ Net 79.38

## MODEL 580SA "UNIDYNE A"

Low cost cardioid dynåmic. Ideal for controlling feedback in P.A. systems and improvIng home recording. Features rugged dynamic element with true cardioid unidirectional pickup pattern, built in On-Off switch and 15 -foot attached shielded cable. High Impedance. Response: 50 to $15,000 \mathrm{cps}$. Output, -56.5 db . Satin chrome case with "ArmoOur' cap and stainless steel mesh grille. $65 / 8^{\prime \prime} \times 13 / 4^{\prime \prime}$. Shpg. wt., $21 / 2 \mathrm{lb}$.
44 H $7549 \$ 5$ monthly $\qquad$ Net 34.69
Matched Palr For Stereo Recording.
44 H 7550 \$5 monthly
Net 69.38 Shpg. wt., 5 los.


> MODEL 560
> LAVALIER MICROPHONE

Dual impedance dynamic mike with respunse "tailored" for lavalier applications. Black satin metal case, clip-erlp lavalier assembly. Lightweight. 18 ft. 2 -cond. shielded cable. Frequency response: $40-10,000 \mathrm{cps}$. Output: -56 db . Dual Impedance - hlgh , and 150 250 ohms. $11 / 2^{\prime \prime}$ dia, $\times 32 / 32^{\prime \prime}$ long. $141 / 202$. 44 H 7522 Net 24.99

## MODEL 578S "OMANIDYNE"

Ultra-slim, all directional dynamic microphone for high quality sound. Size $73 \mathrm{~s}^{\prime \prime} \times$ $3 / 4^{*}$ diameter. Frequency response: $50-17$, 000 cps . Dual impedance: 200 ohms and high impedance. Output levels: hi-Z. -59 db; low-Z, 60 db . Has on-off switch, swivel mount $5 / 8^{\prime \prime}-27$ thread. 18 ft . 3-conductor cable, Satin chrome finish. Shpg. wt., $21 / \mathrm{lbs}$ $\$ 4$ H $7511 \$ 5$ monthly $\qquad$ Net 52.92
MODEL 574. As above, but probe design ideal for handheid use. Swivel adapter for mounting on stand included. Less switch. $13 / 4 \mathrm{lbs}$. 44 H $7512 \$ 5$ monthly $\qquad$ Net 48.51

## MODEL 550S

A rugged dynamic microphone for use in quality sound systems and high fidelity recording. The unit features a smooth wide. range response for faithful reproduction of voice and music. Dual impedance. Comes complete with on-off switch, swivel, and 18 ft. 2-cond. cable. Frequency Response: 40 to $15,000 \mathrm{cps}$. Output Level: Low-Z, -50 db ; High-Z, - 57.5 db . Satin finish chrome case with stainless steel mesh grille.
44 H 7513 \$5 monthly
Net 40.57

## MODEL 51S "SONODYNE I"

Dmni-directional, general-purpose dynamic mike, $60 \cdot 10,000$ cps. 3 -way impedance switch. Output levels: $35-50$ ohms. - $51 \mathrm{db} ; 150-250$ ohms, -51 db ; high Impedance, -48.5 db . Satin chrome. On-off switch. Swivel mount. 15 ft . 2-cond. cable. $5 \% \times 31 / 4 \times 1 / 8^{\prime \prime}$. $32 / 4$ 10s.
44 H $7514 \$ 5$ monthly $\qquad$ Net 30.28
MODEL 51. Same as above, but without onoff switch. Wt., $31 / 4$ lbs. 44 H 7515 $\qquad$ Net 25.11

## MODEL 540S "SONODYNE II"

Modern design all-directional microphone. Fine for recording applications and sound systems. Has on-off switch. Adjustabie response: $50-13,000 \mathrm{cps}$ for music. $400-6,000$ cps for speech. Dual impedance: $50-250$ ohms and high impedance. Outputs: HI-Z. - 55 db : Low-2, 56 db. Chrome and blach. Swlvel mount; $5 / 8^{-}-27$ thread. 15 ft . 2 -cond. cable $356 \times 11 / 10^{\circ}$. Shpg. wt., $31 / \mathrm{lbs}$. 44 H 7516

Net 29.37

## Communications-CB-Ham-General Purpose



## SHURE HAM AND

DISPATCHING MICROPHONES
mOOEL 520SL "DISPATEMER" 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 connection. Easy to operate. Frequency response: 100 to 9000 cps. Dutput level- 52.5 db . Omni-directlonal polar pattern. High imped. ance. Recommended load 100,000 ohms or more. Chrome and green finish. 7 ft. cable. $91 / 2 \mathrm{H} \times 5 \mathrm{~W} \times 7^{\prime \prime} \mathrm{O}$. Shpg. wt., 5 lbs . 44 H 7535 $\qquad$ Net 26.45

MODEL 450. Controlled Magnetic paging mike, Modem, two-tone gray rugged "Armo-Our" case. Adjustable stand height. Push-to-talk, lockable mike-relay switch. $100 \cdot 10,000 \mathrm{cps}$. Oual impedance. Outputs: High-Z, -54 db ; $50-250$ ohms. -53 db .7 ft . 4 -conductor (2 shielded) cable. $10 \%$. $\times 51 / 16 \times 4^{\circ} .21 / 4$ Ibs. 4 H 7536

Net 29.11

MODEL 444 HAM MIKE. As above, but Hi-Z. Output: -53 db . Response: $300-3,000 \mathrm{cps}$. Separate switch for VOX operation. $34 / 2 \mathrm{lbs}$. 44 H 7537

Net 24.99

## A95A LIME TRANSFORME

For connecting low impedance mikes to high impedance ampliffers. Preserves high frequencies and cuts hum pickup in long lines, $20.20,000 \mathrm{cps} \pm 1 \mathrm{do} .3 / 4^{\prime \prime}$ dia. $\times 21 / 2^{\prime \prime}$ long. Built-in MC1F and XLR-3-11C connectors. Shpg. wt. 902.
44 H 7541
Net 10.29

## THE COMAMANDO SERIES

Rugged, Controlled Magnetic mikes for use indoors or outdoors. Model 430 can be held in the hand or set on a floor or desk stand. ldeal for general purpose applications in home tape recording, indoor and ouldoor PA systems, etc. Frequency response: $60 \cdot 10,000$ cps. Oual impedance, changed by pin jacks. Output Level- 52 db .
MODEL 430. Furnished with on-olf switch, $15 \mathrm{ft} ., 2$-conductor shielded cable; cable connector, swivel adapter; satin chrome and non-reflecting gray finish. Size: $6^{31 / 4}$, long $x$ $13 / 4^{\circ}$ dia. (top) hander, ist dia. 44H 7532 Shpg. wt., $21 / 4$ lbs........Net 22.64 moocl 420 . Lavalier trpe. With 20 ft. 2 -conductor, non-detachable, shielded cable; lavacord and clip assembly. $31 \mathrm{~h}, \times 17 \mathrm{a}^{\prime \prime}$. 44 H 7533 Shpg. wt., $3 / 4$ lbs. - Net 17.64 MODEL 425. Specially designed for gooseneck mounting. $5 / 8.27$ thread. 7 ft .2 -conductor shielded cable attached. Wi., $3 / 4 \mathrm{lb}$. 44 H 7534 (less goseneck)

Net 17.64

## MODEL 202 CERAMIC NOISE

CANCELLING MICROPHONE
Effectively reduces background noise for use in Mobile, CB and Mam rigs. 200-4,000 cps. HI.Z. - 50.5 db. Switch. hang-up bracket. 5-ft. 3-conductor, retractable cable. Shpg wt.. 2 lbs.
4 H 7525
MODEL 201, as above, but not noise-canceling.
.... Net 10.58
MODEL 401A, as above, but controlled mag. netic. 49 db . 44 H 7527

Net 12.84

## DESK STANDS - CARTRIDGES - CORDS

TYPE S33B DESK STAMO. Black finish. For Models 545, 546, 556. 576. 578, 415 and 430 . Shpg. wt. 3 lbs.
44 H 7544
Met 8.82
TYPE S36A DESK MOUNT. Gray flnish. Fits all Shure connector type plkes incluoing 51. 55S, 540S. 545S and 578.
44 M 7528 ...................................................................................... 40
TPE R4M. Controlled magnetic cartridge assembly for 420, 425, 430 and other "Commando" stries. Shpg. wt., 6 oz.
4H H 7557
Net $1 .{ }^{2}$
Type n 5 Magnetic replacement cartridge for 510C. 510 Mo. 510 S. 520. 520 SL and 505C. Shpg. wt., 4 oz .
44 H 7542
Net 6.47
R7 REPLACEMEMT CARTRIDCE
Crystal replacement cartridge for Models 707A and 708A. - 48 db output. Shpe. wt. 502.
44 H 7543
Net 4.85

## RETRACTING MICROPHONE CABLES

Rubber covered colled cord for 505T and other carbon mikes. 4 con. ductors for mike and press-to-talk switch. Stretches from 1 foot to 6 feet. Shpr. wt.. $11 / 2$ tbs.
44 H 7507 Type C15C ............................................................................... 3.67
3 conductor ( 1 shielded) used with 404C.
44 M 7508 Type C12C
Net 5.73
4 conductor (2 shielded) used with 4048.
Net 5.88

## MODEL 575S "VERSADYNE"

Smooth response from $40-15.000$ cyclesrugged, high-performance dynamic cartridge. High or low impedance models. Complete with switch, stand adapter and lavaller cord. For use in hand, on stand, or used as lavalier. Single cond. 7 ft. shielded cable. Black high-impact body, satin anodired cap, stainless steel grille. Size: $43 / /^{\prime \prime} \mathrm{Ig}$. $\times 1 \mathrm{y} / \mathrm{a}^{\prime \prime}$ dla. Wt. 5 oz. High Impedance model Output: -56 db . Shpg, wt., 17 oz .
44 H 7517 Less Base $\qquad$ Net 14.11

MODEL 575SB "VERSADYNE." Similar to above, but impedance: $150-250$ ohms. Dutput - 56 db
44 H 7510
Net 12.35
MODEL 2755 "VERSAPLEX." SImilar to above but ceramic model. Response: $40 \cdot 12,000 \mathrm{cps}$ Impedance: High ( 1.5 meg .). Output Level: -59.5 db . Complete with switch. stand adapter, lavalier assembly. Snpg. wt., 1 lb . 44 H 7519 $\qquad$
MODEL 5388 Desk Stand. Round, black base for above models, plus 245, 415, 430. Shpg. wt. $11 / 4$ lbs
44 H 7520
Net 2.65

## NEW! <br> 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 $A M$, $F M$, and single side-band. Bullt-in 2 transistor preamp increases signal strength. Controlled magnetic type with response of 2006000 cps . Semidirectional. Output level variable from 2 to 45 mm . Press-to lalk control har for locking of non-locking operation. Height adjustable from $9 y_{1}{ }^{-c}$ to $1111_{1}{ }^{\circ}$. Base $51 \%_{0}^{\prime \prime} \times 4^{\prime \prime}$. Four $f t$. colied cable. Battery Supplied. $44 . \mathrm{M} 7560 \mathrm{Wt}$., $21 / 4 \mathrm{lbs}$ $\qquad$ Net 29.11
99 N 6021 Replacement battery ._ Net . 21


Ideal for home recording. $50 \cdot 10,000 \mathrm{cps}$, - 50 ob output into hiph imperance. Case is ourable polvstyrene with built-in stand and 5 ft . shielded cable. $31 / \mathrm{ex}^{21 / 4 \times 11 / a^{\prime \prime} \text {. Shpg. }}$ wt.. $1 / 2 \mathrm{lb}$.
44 H 7538
Net 4.70

# Outdoor, Extension and Remote Control Speakers 

## OUTDOOR 8" PATIO SPEAKER



- weather proof WATERPROOF
- CLEAR Hi-Fi Sound
- 4.8 02. Magnet
- Use Two for Stereo


The perfect outdoor hi.fi speaker to let you enjoy records and music while relaxing outdoors on your patio; in your yard; at your bar-b. que. Handsome enough for recreation rooms and dens. Completely wired, ready to install to the radio, phono or intercom system. Unaffected by dampness, humidity, rain or snow; the mefal baffle finished in burgundy enamel. 4.8 oz , barium feriite 8 ohm impedance. L pad for perfect matching. Peak power 20 watts. Size: $111 / 2 \times$ $111 / 2 \times 54 / \mathrm{a}^{\prime \prime}$. Shpg, wt., $61 / 4 \mathrm{lbs}$.
44 H 3305W
Net 9.95
Similar to above but with $8^{\prime \prime}$ coaxial speaker with built-In tweeter and electronic crossover. For extended range coverage of $70.15,000$ cps. Shpg. wt., 7 lbs.
44 H 3306w
Net 11.50

## LAFAYETTE MINIATURE SPEAKER AND ENCLOSURE



- Attractive Mahogany Finished Wood Cabinet
- Complete With 25 Feet of Cable $6^{95}$
Enioy music everywhere in your home with this amazing Lafayette mintature speaker system. 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-linished wood cabinet, the 5 .watt $4 \times 6^{\prime \prime}$ speaker is designed to work from either 4 or 8 ohm outputs. System is supplied with 25 feet of cable. Overall size: $91 / 2 \mathrm{~W} \times 73 / 4 \mathrm{H}$ (incl, feet) $\times 31 / 8^{\circ "} \mathrm{D}$. Imported.
99 H 4550 Shpg. wt. 5 lbs.
Net 6.95


## 4" PM SPEAKER IN WOOD BAFFLE



## 25-Ft. Speaker Cable With Plug

- Built-In Jack

For use in multi-speaker low power paging sys. tems, intercom systems, auxiliary bench speak. er. efc. 4" PM speaker with heavy magnet. Mounted in 2 -tone walnut and black wood batfle. The baffle has sloping.front and en-closed-back acoustic construction and has a bultt-in jack for plug-in connection of the $25^{\circ}$ cable and plug supplied. Speaker voice coil is $3-4$ ohms. imported. Shos. Wt., 4 lbs.
99 H 4551 … Net 3.75 ; ... Lots of 3, each 3.35

## MISCO WEATHER-PROOF SPEAKERS

## As Low As 5

- $31 / 2^{\prime \prime}$ and $8^{\prime \prime}$ Models
- Gimbal Type Mounting Bracket
- Enclosed in Electro-Static Finished 20-Gauge Steel Case
- Specifically Designed Plastic Impregnated Cloth Speaker Cone


Model MS-38. Compact, Weatherproof, Dustproot. Impervious to salt spray. Utilizes a plastic impregnated cloth cone and plated frame. Ruggedly constructed case of 20 gauge steel with 2 coats of baked electrostatic enamel. Equipped with key slot mounting hole plus a mounting cutout to accept a volume control: on-off or push-to-talk switch, Voltage; withstands up to 100 volts RMS. Temperature Extremes: from $-80^{\circ} \mathrm{F}$ to $160^{\circ} \mathrm{F}$. Freq. Resp. 100 to $10,000 \mathrm{~Hz}_{\mathbf{\prime}} 8$ ohm impedance. $41 / 2 \times 41 / 6 \times 25 / 8^{\prime \prime}$, with bracket. Shpg. wt., 2 lbs. 44 H 5201

Net 5.78
Model MMS-8F. Similar to above, but with $8^{\prime \prime}$ speaker. Resp. 70-13,000 $\mathrm{Hz} .9 \times 9 \times 44 / 4 "$ Shpg. wt., 5 lbs.
44 H 5202
Net 12.10

## LAFAYETTE EXTENSION WALL SPEAKER

- Ideal for a Quality Extension Speaker in Den, Bedroom, Office, Factory
- $6^{\prime \prime}$ Fine Range, Rugged Speaker
- Volume Level Control for Optimum Volume Setting in Different Size Rooms
- Attractive Tapered Styling with Decorator Grill, Walnut Finish on Wood Veneer


A fine sounding and fine looking extension wall speaker system with brackets for hanging on any wall. Its quality reproductive sound makes it ideal for $\mathrm{Hi} \cdot \mathrm{Fi}$ extension speakers at home and for background music systems in the office, restaurant, etc. Ex. cellent for P.A. and paging. $97 / \mathrm{BH} \times 97 / 8 \mathrm{~W} \times 3$ to $4^{\prime \prime}$ Thk. Impedance 8 ohms. Imported. Shpg. wt., 4 lbs.
99 H 4549
Net 8.95

## LAFAYETTE $4^{\prime \prime} \times 6^{\prime \prime}$ EXTENSION SPEAKER AND BAFFLE

A fine extension speaker suitable for desk of shelf use or it can be hung neatly on the walls of extra rooms, patio. Iobbies, walting rooms or anywhere you wish to direct voice or music. Complete with volume control and 22 ft . of wire. Impedance 8 ohms. imported. Shpr. wt., $31 / 2 \mathrm{lbs}$.

Net 5.44


- Walnut Decorator Baffle with Cane Grille


## REMOTE CONTROL TV SPEAKERS



- Control Both TV Set Speaker and Remote

From Your Armchair

- Listen to Either One Alone or Both Together
- Ideal Personal Speaker for Hard-Of-Hearing

LAFAYETTE MINIATURE DUO-REMOTE T.V. SPEAKER
You will be amazed at the number of uses you'll find for this unit. The fine quallty of the bullt-In speaker makes It perfect for use as an extension speaker anywhere in your home or office. Its small size makes it an ideal personal speaker when watching TV or listening to your phonograph

The dual volume conirols provide independent volume control of the main speaker from your listening of viewing position or the remote's own self contalned speaker. Attractive molded cabinet measures $4 W \times 27 / 0 \mathrm{H} \times 13 / 4^{" D}$. Com. plete with 20 ft . of 4 .conductor cable. Imported. Shps. wt., $11 / 2 \mathrm{lbs}$. 99 H 4548

Although similar In application to the Lafayette miniature at left, this deluxe unit contains a much larger speaker ( $4 \times 6^{\circ \prime}$ ) with a 1.27 oz. magnet. This together with the larger cabinet gives a far better tone qually. It has 2 fader controls so that you may listen to elther the speaker at the set. this remote speaker or both blended to the volume level you desire for each-of you may turn off all volume on both speakers without turning off the set. Controls are on side of attractive walnut finished cabinet which measures $93 / 4 \mathrm{~L}$ $61 / a \mathrm{Hx} 33 / /^{\prime \prime}$ deep and stands on $1 / 2^{\prime \prime}$ legs. Attractive Rrill. Complete with 20 ft , of cable. Imported. Shpg. wt. 4 lbs
99 H 4596

## LAFAYETTE DELUXE

## DUO-REMOTE TV SPEAKER

## Replacement Speakers and Baffles

## SQUARE ROUND P.C. <br> LAFAYETTE ECONOMY-LINE PM SPEAKER

Top quality replacement speakers. Selected for universal application rugged construction-standard configurations, All have 3.2 chm voice colls. Made in U.S.A. except 99 Series are imported.

| Stock No. | 8130 | Strepe | Mac. We. | $\begin{aligned} & \text { Pent } \\ & \text { Watts } \end{aligned}$ | WL | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 H 6268 | 4" | Square | . 60 oz . | 3.0 | 1 | 98 |
| 99 H 6269 | $5{ }^{\prime \prime}$ | P.C. | .6802. | 4.0 | 1 | 1.04 |
| 99 H 6270 | $6{ }^{\circ}$ | Round | 1.0 02. | 8.0 | $11 / 2$ | 1.64 |
| 99 H 6271 | $8^{\prime \prime}$ | P.C. | 2.0502. | 10.0 | 21/4 | 2.29 |
| 32 H 0108 | 12* | Round | 3.1602 . | 12.0 | 5 | 3.75 |



Fealures famous MICROGAP precision in centering of volce coil. giving increased and uniform sensitivity, All heavily cadmium plated rust proof construction. All with alnico $\vee$ magnets. All voice coils $3-4$ ohms except $12^{\circ}$ is 8 ohms. t with transformer mounting bracket.

| Stock No. | Size-Shape |  | Mag. 0z. | Fig. | Shes. Lhs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 4914 | 5x3 OVAL | 4 | . 55 | D | 1/2 | 2.25 |
| 32 H 4901 | 312." SQUARE | 3 | . 75 | A | 1/2 | 2.22 |
| 32 H 4902 | 4"SQUARE | 5 | 1.47 | A | 1 | 2.64 |
| 32 H 4903 | $4 \times 6$ OVAL | 5 | 1.47 | 0 | 1 | 3.09 |
| 32 H 4904 + | $5^{\circ}$ P.C. | 5 | 1.47 | B | 1 | 2.79 |
| 32 H 4905 $\dagger$ | $6^{\circ} \mathrm{P}, \mathrm{C}$ | 8 | 3.16 | 8 | $11 / 2$ | 4.23 |
| 32 H 4906 | $6 \times 9$ OVAL | 10 | 3.16 | 0 | 2 | 5.01 |
| 32 H 49074 | 8* ROUND | 10 | 3.16 | C | 2 | 4.92 |
| 32 H 4908 t | 12* ROUND | 14 | 6.8 | C | 41/4 | 7.80 |

## UTAH TAPE RECORDER SPEAKER

$5 \times 3^{\prime \prime}$ oval. Rated 4 watts Program 3.2 ohm voice coll. 32 H 4914 Shpg. wt, 1/2 lb. $\qquad$ 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.


## MODERN SPEAKER BAFFLES

Well built plywood speaker baffles for indoor public address and paging systems, Intercoms, extension speakers, etc. Frieze-design grille cloth, modern walnut finish. "Bookshelf type-square type.

| Stock No. | Description | Fig. | Wt. Ibs. | $\begin{aligned} & \text { Singty } \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & \text { Lats of } 3 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20 H 1306 | For $5^{\prime \prime}$ or $6^{\prime \prime}$ | A | 3 | 2.85 | 2.61 |
| 20 H 1307 | For $8^{\prime \prime}$ | A | 4 | 3.19 | 2.94 |
| 20 H 1308 | For $10^{\prime \prime}$ or $12^{\prime \prime}$ | A | 5 | 4.65 | 4.45 |
| 20 H 1309 | For $8^{\prime \prime}$ | 8 | 6 | 7.95 | 7.35 |



Quality Alnico PM speakers for replacement in transistor portabie sets. Ideal for the experimenter. ". have mtg. holes on $2^{\prime \prime}$ centers; $\dagger$ on 1 k " centers; OHMS is Voice coll impedance. Dimensions given are overall. Imported.

| Stock No. | Fig. | Diam. | bepth | Ohms | W. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 H 6035 $\dagger$ | A | 12/2" | "为" | 10 | 602. | .f's |
| 99 H 6036 | C | 2 " | 110" | 8 | 802. | . 99 |
| 99 H 6037 | C | 21/4" | "\%" | 8 | 802. | . 99 |
| 99 H 603s | ${ }^{C}$ | 212" | "1/4" | 8 | 802. | . 99 |
| 99 H 6039* | 8 | 21/2" | 11/4" | 3-4 | 802. | . 99 |
| 99 H6097* | 8 | $212^{\prime \prime}$ | $11 /{ }^{\prime \prime}$ | 10 | 802. | . 99 |
| 99 H 6098 | D | 21/4" | 43" | 8 | 802. | . 99 |
| 99 H 6032 | E | 3" | "\%" | 8 | $10 \mathrm{oz}$. | . 99 |



## MINIATURE OUTPUT TRANSFORMER

2000 ohm primary to $8-10$ ohm secondary. Only $5 / 6 \times 7 / \mathrm{m}$ "1/4". Weighs only $3 / 4 \mathrm{0z}$. Suitable for most transisfor outputs. Imported. Shpg. wt., 3 oz. 99 H 6101


## Wan <br> CADENCE SPEAKER

For Amplified Musical Instruments

Specially designed to meet the rigid requirements for replacement in electric organs, guitars, etc. Recommended usage: for most guitars code 8 ; for high power and bass guitars code $C_{\text {; }}$ for small home type electric organs code $A_{i}$ for larger home and church organs code C. Types marked t are for use only with organs havIng tweeter or mid-range speakers; for accordions code D. All are round, except is oval. All have 8 ohm voice colls.

| Stock No. | Sla | $\begin{aligned} & \text { Mat. } \\ & \mathrm{Oz} . \end{aligned}$ |  | Use <br> Cade | Depth <br> (In.) | Shps. Wt. (Lhs.) | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 4922 | $8{ }^{\prime \prime}$ | 10 | 25 | A \% 8 | 3 | 23/4 | 3.37 |
| 32 H 4923 | 10" | 10 | 28 | A \& 8 | 316 | 3 | 9.57 |
| 32 H 4924 | 12" | 10 | 30 | 488 | 4\% | 33/4 | 10.17 |
| 32 H 4925 | 12" | 20 | 35 | A, B, C, \& D | 45\% | 6 | 14.97 |
| 32 H 4926 | 12" | 28 | 40 | $A, 8, C \& D$ | 5\%. | 9 | 19.50 |
| 32 H 4927 † | 12* | 32 | 45 | $A \& C$ | 61/6 | 101/2 | 27.00 |
| 32 H 4928 W | 15"' | 28 | 45 | A, $8, C \& 0$ | $61 / 2$ | 12 | 23.10 |
| 32 H 4929 W | 15" | 32 | 50 | $A \& C$ | 8 | 121/: | 36.00 |
| 32 H 4930** | $6 \times 9^{\prime \prime}$ | 10 | 25 | 8 | 3 | 2\%/4 | 8.10 |

## THPIR CORNER baffles



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. Comolete with speaker mounting hardware.

| Stock No. | Utah $\mathrm{No} .$ | Fig | For | $\begin{aligned} & \text { Size } \\ & \text { HxWxD" } \end{aligned}$ | Shpe. Wt. | Ne: |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20 H 4812 | SS8-W | A | $8{ }^{\circ}$ | 14×151/2x81/8 | 3 | 8.28 |
| 20 NH 4814 | CS8-W | 8 | $8^{\prime \prime}$ | $91 / 2 \times 94 / 2 \times 61 / 4$ | 14/4 | 5.16 |
| 20 H 4015 | CS12.W | B | $12^{\prime \prime}$ | $131 / 2 \times 131 / 2 \times 81 / 4$ | 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 controlled 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

t 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 <br> lafayette auto PM Speakers <br> Fine quality replacements for tude type radio sets.

| STOCK <br> NO. | SIZESHAPE | Y.C. IMP. | PEAK | MATTS | MAG. | OZS. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | SHPG. | WT. |
| :---: | NET

## TRANSISTOR AUTO PM SPEAKERS

All have multi-impedance voice coils to match all transistor sets. Will
match $40,20,8$ ohms or less. Slimline design.

| 32 H 2204 | $6 \times 9^{\prime \prime}$ oval | Multi-ohm | 7 | 1.47 | $21 / 2$ | 3.25 |
| :--- | :---: | :--- | :---: | :---: | :---: | :---: |
| 32 H 2214 | $6 \times 9^{\prime \prime}$ Oval | Multi-ohm | 12 | 5.0 | $41 / 2$ | 5.19 |
| 32 H 2205 | $6^{\prime \prime}$ round | Multi-ohm | 7 | 1.47 | 2 | 2.75 |
| 32 H 2206 | $4 \times 6^{\prime \prime}$ oval | Multi-ohm | 7 | 1.47 | $11 / 2$ | 2.46 |
| 32 H 2215 | $4 \times 10^{\circ}$ Oval | Multi-ohm | 7 | 1.47 | $21 / 2$ | 3.35 |

## 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 ohm tapped useable for either impedance and are specially designed for transistor sets. indicates shallow type, only $\mathbf{2 1}^{1 / 6 "}$ deep.

| STOCX NO. | SIZE-SHAPE | V.C. IMP. | MAG. | SHPG. | WT. |
| :--- | :--- | :--- | :--- | :--- | :--- | NET


is supplied which controls volume of both speakers simultaneously, gradually reducing volume on one while increasing volume on the other. Kits for transistorized auto radlos have speakers with multi-impedance voice coils to match 40, 20, 8-10 ohms or less; work with all sets, transistorized or tube. Simple to install. Shpg. wi.. 4 lbs.

# Telex Headphones and Microphones 



## TELEX TELESET

(A) Lightweight ( 8 ounce) headsets tailored to the requirements of language laboratories, radio operators, and all general work. Fine stainiess steel and plastic design delivers high sensitivity and falthiul sound reproduc tion. Freq. Resp.: $50 \cdot 10,000$ cps. $6 . \mathrm{ft}$. durable vinyi-covered cord. Shog. wt.e 1 ib.
$40 \mathrm{H} 5901 \mathrm{lmp}, 2,000$ ohms $\qquad$ Net 14.50 40 H $5902 \mathrm{imp} .500-600$ ohms Net 14.50 Soft foam plastic cushlons. Wt. 6 or 40 H 5903 One Pair ACT-2

## TELEX MONOSET

(B) An under-chin headset ideal for secretarial office dictating machine use and private llstening to radio, TV and recordings. Ano. dized aluminum tone arms are fully adjustable and weigh only 1.2 ounces. Frequency response: 50.6500 cps. Single detachable 5 ft . cord with standard phone plug elimin. ates tangling. Shpg. wt., 1 ib . 40 H 5904125 ohm model HMV-2 ... Net 7.95 40 H 59052000 ohm model HMY-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 ciear reproduction. Sound travels through tubing for better fidelity. Frequency Response: 50 to 6500 cps . Shpg. wt.. 6 oz . 40 H 5906 Model HUP- 01 $\qquad$ Net 8.95

## TELEX TWINSET

(D) Banishes bothersome ear pressure. Tub. ular sound arms pipe signal to ears. Only 1.6 oz. F.A.A. approved for pilots. Complete with 5 ft . cord and standard phone plug. Shigg wi. . 1002.
40 H 5908500 ohms HTW- $2 \ldots .$. Net 14.50 40 H 59091000 ohms HTX-2 .......Net 14.50

## TELEX 1200 FOR LANGUAGE LABS

(E) Fidelity "In depth" with only one speak. er, The $1 / 2$ ounce continuous piece 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 listen'ng set for individuals with a hearing loss. 5 ft . flextble cord included. Shipg. wt., 6 oz. 40 H $5910 \quad 15 \mathrm{ohm}$ HFR-91 .........Net 5.95 40 H 5911125 chm HFV-91 ........ Net 5.95 40 H 5912500 ohm HFW. 91 40 H 59131.000 ohm HFX. 91 Net 5.95 40 H 5914 2,000 ohm HFY-91

Net 5.95

## TELEX MAGNA-TWIN

(F) Rugged magnetic headset ideal for Ianguage laboratory, aircraft and mobile communications use. Response: $50 \cdot 10,000 \mathrm{cps}$. Includes 5 ft . cord, standard phone plug and foam earphone cushions. Shpg. wt., $11 / 2$ lbs.

## WITHOUT MICROPHONE

MR-4 $\mathbf{1 0 , 0 0 0}$ ohm Impedance
40 H 5915
Net 18.95 MR.6 500-600 ohm impedance.
. Net 18.95

## WITH BOOM MIKE

MRB-30 10,000 ohm headset. High impedance ceramic microphone, response 50.9000 cps. With 5 ft . cord and 2 standard phone plugs.
40 H 5917 \$5 Monthly
Net 32.95
MRB-45 500.600 ohm headset. 50 -ohm carbon microphone, response, $300 \cdot 4000 \mathrm{cps}$. With 5 ft . cord and 2 standard phone plugs. 40 H 5918 \$5 Monthly ........... 30.95

TELEX 600 SERIES MAGNETIC BOOM MIKE HEADSETS

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 $1 / 4^{\prime \prime}$ phone plugs. Average shpg. wi., 1 lb.

| Stock No. | Type | Impeotance | Nêt |
| :---: | :---: | :---: | :---: |
| 40 H 5937 | *600-1 | 600 ohm | 19.95 |
| 40 H 5938 | * 600.2 | 1200 ohm | 20.95 |
| 40 H 5939 | \$600.3 | 600 hmm | 21.95 |
| 40 H 5940 | +600-4 | 1200 ohm | 22.95 |
| 40 H 5943 | +605 | 2000 ohm | 17.50 |
| DUAL HEADPHONES ONLY-LESS MICROPHONE |  |  |  |
| 40 H5944 | 610.1 | 600 hm | 6.95 |
| 40 H 5941 | 610.2 | 2000'ohm | 7.95 |

## TELEX TV LISTENER

(G) Cord clips allow simple and safe attachment to any radio or TV. The control switches turn the radio or IV 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 H 5919 LCP-90 Net 9.95 Entra earpiece EV-98. Allows two lo listen at once. Shpg. wt., $1 / 4 \mathrm{lb}$. 40 H 5933

Net 2.95

## TELEX DYNAMIC PILLOW SPEAKER

(H) New dynamic miniature plllow speaker gives the ultimate in tonal quallity without distortion. For individual and institutional use. Safe and no complicated wiring necessary. Stainless steel, moisture proof hous. ing. Size: $37 / 4^{\prime \prime}$ dia. $11 / 8^{\prime \prime}$ max. thickness. Complete with a 5 ft . cord and standard phone plug. Shpg. wt. 802.
40 H $5920 \quad 3.2$ ohms SON-2A
Nef 6.95 40 H 5921 10,0C0 ohms SDM-2A

Net 9.95

## TELEX MAGNETIC PILLOW SPEAKER

(1) Ideal for radio or TV. Enjoy private listening in bed or in a chair without disturbing others. Great for late listening. Only $21 / 4^{\prime \prime}$ diameter and $5 / \mathbf{g}^{\prime \prime}$ thick. Maroon waterproof plastic. Complete with 5 ft . cord and stan. dard phone plug. Shpg. wt. 80 oz .
40 H 5922125 ohms SMV-2A Net 6.95 40 H 59232000 ohms SMY-2A Net 6.95

## ACCESSORIES

CORDS AND CUSHIONS (J)

## Stoct No. <br> Description <br> With Net

40 H 5924 ACV Foam Cush (F) pr. 1.50 40 H 5925 CCM-2, $5^{\circ}$ Colled Cord (D), (1) 2.95 40 H 5926 CMM-2, $5^{\prime}$ Repl. Cord (0), (1) 2.25 40 H 5927 CCT-2, $5^{\circ}$ Coiled Cord (B),(E) 2.95 40 H 5928 CMT.2, $5^{\circ}$ Repl. Cord (B),(E) 2.25

## TELEX MODEL BCW-02 BOOM MIKE HEADSET



Lightweight, compact headset for comfort. able long term wear. B00m rotates $360^{\circ}$. Headset impedance, 500 ohms. 100 Ohm carbon mike. Single wire connection, Less cord. below. Shpg. wt.. 1 lb .
40 H 5942 $\qquad$ Net 29.60
CBE-54 5 ft. cord with 2 plugs, (PL-55) and (PL-68) for aircraft use. 40 H 5936

## Hearing Aids And Ear Phones

## SUB-MINIATURE HEARING AID



Lightweight!

$24^{95}$

- $25 / 8 L x]^{5 / 8} W \times 5 / 8^{\prime \prime} D$ 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 . flexible, cord are included. Sudolied with leather carrying case, earphone, and battery. Imported. Shpr. wt., 1 lb.

## 99 H 9068L

 99 H 9070 Extra Earphone

PRIVATE RADIO-TV LISTENER


- Control Either Private Earphones or Remote Speakers
Simply installed unit allows normal use of TV or radio while adding controllable 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 tb.
99 H 9172
Net ea. 1.79
99 H 2548 Extra Earphone $\qquad$ ea. . 59 9 H 254910 ft . extension cord $\qquad$ Net .39


## "WHISPER" BONE-CONDUCTION PILLOW SPEAKER

- "Sonic Transducer" cannot be heard at a distance


Sound is actually conducted through your pillow and bone to the inner ear. Not just another "Dillow speaker," this patented device produces sound vibrations which are heard best when conducted to the inner ear by a solid pathway, rather than air. No danger of disturbing others-even husband or wife asleep in the same bed! $21 / 2^{\prime \prime}$ diameter round lvory plastic case is only $5 / 8$ " thick. Supplied lack permits easy plugging into radio or TV. Imported. Shpg. wt., 8 oz . 99 H 9073

Net 2.25

## CRYSTAL HEADSET



- 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 unlt 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., 5 oz. 99 H 2550

Net 1.39


AMATEUR PHONES


These earphones are made specially for the Ham and short wave listener. Comfortable poly-foam ear cushions make iong hours at the rig a peal pleasure. Dual impedance, 600 and 4.160 hms , can be changed at plug. High sensitivity and a crisp clear reproduction for that hard to read station. Shpg. wt., $21 / 2 \mathrm{lbs}$. 40 H 8501


## Eattery charger

A sune unit combining good performance and very small size. Designed as a light and compact "ear-lobe" hearing aid. All com. ponents are contained in the flesh-colored high impact case, which is worn behind the ear. Weighs only $\mathbf{1 / 2}$ of one ounce! Sound travels to the ear through a clear tube. 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. Shpg. wi., 1 lb .
99 H 9072 L \$5 Monthly $\qquad$ Net 62.95
32 H 4746 Rechargeable nickel cadmium cell for above 32 H 4668 Pkg. of 6 Mercury cells for above Net 1.05
Net 1.92
REMOTE CONTROL FOR SILENT TV VIEWING


- Simple to Attach to any
TV or Radio Set
- See and Hear-Noiselessly and Conveniently
FOR LATE LISTENERS. One or two people can both see, and hear the program with the Touospeaker cuf oft. lops for enjoying the late. tate show without disturbing the rest of the household or the neighbors.
FOR HARD-OF-HEARING. Hear without turning the set volume so hirh 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 elther 1 or 2 ear. phones can be connected. Supplied with a miniature dynamic earphone. Highly sensitive and efficient. Complete with 1 earphone with 3 ft . of cord and plug and control box with 20 feet of cable. Only $37 / 0 \times 2 \times 11 / 2^{\prime \prime}$. Instructions included. Shpg. wt ${ }_{r}, 3$ lbs.
13 H 0901
Net 6.50
EXTRA EARPHONE. Shpg. Wt., 8 oz.
99 H 2548
Net . 59
$10^{\circ}$ EXTENSION CORD for above.
99 H 2549
Net . 38


## LAFAYETTE HEADSET

$1^{59}$

- 4000 ohm DC Resistance
- Double Permanent Magnet

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 listening or for greater intelligiblity when there are distracting sounds and external noise. 4.000 ohms DC resistance. Has durable permanent magnets, remov. able earpiece and $31 / 2$ feet of extension cord terminated with stand. ard headphone tips. Imported. Shpg. wt., 12 oz.

Net 1.59


HIGH OUTPUT CRYSTAL EARPHONE

- Mouthpiece allows Use as a Crystal Mike
High output crystal earphone with a plastic ear-insert and $51 / 2$ feet of flexible cord with a subminiature phone plug. Makes Into a sensitive high impedance micro. phone by simply unscrewing the earpiece and attaching the Included niouthpiece. Imported. Shpg, wt., 8 oz .
99 H 2515
Net 1.09
Crystal earphone with phone-tips. 99 H 2551


## Miniature Earphones \& Accessories

## SUPER POWER DYNAMIC EARPHONE <br> FOR TRANSISTOR CIRCUITS

- Powerful Efficient Magnet

Not to be confused with run-of-the mill earphones. Extra efficient construction and a powerful magnet provides exceptional performance. Ideal solution to the problem of low output in transistor cir. cuits. You'll be amazed at the difference in volume, as well as its quality of reproduction, when you use this dynamic ear-
 phone. We have tested this item on transistorized circuits, and this remarkably efficient earphone functioned so well that in many cases the program was distinctly heard with the earphone over 2 feet away from the ear! It is of course, not timited in use to low powered devices-It will give delightful performance wherever a high impedance dynamic earphone is required. AC impedance 7000 ohms. DC resistance 1500 ohms. Snap on earpiece. Complete with 3 ft . detachable plug-in cord. Imported. Shpg wt., 402. 40 H 7801

## ECONOMY ALL-PURPOSE DYNAMIC EARPHONE

- For Transistor and Subminiature Receivers
- For Silent Radio and TV Listening

A sensitive all-purpose earphone which is ideal for use with iv 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 H $25481 / 0^{\prime \prime} \mathrm{dia}$. plug


40 H 7901 Same as above with $X_{2} 2^{\prime \prime}$ dia. Net .59 DYNAMIC STEREOPHONIC HEADPHONES

- True Binaural Reproduction.
- Frequency Response 40-16,000 cps
- Matched Magnet and Crystal Transducers
- Exceptionally Lightweight

Take your choice of four stethoscope type head. sets. High impedance or low impedance-Mag. netic or crystal-Binaural or Monaural! Binaural units are equipped with two separate trans. ducers and cord sets for true dual channel re. production. This is the most widely accepted means of stereophonic listening. All units are extremely sensitive. Sound is carried through plastic tubes with removable earpieces. Ingenious hinge device permits adjustment to any desired spacing. Less than 2 ozs. Total welght! Binaural sets may be used for monaural listening. Imported. Shpg. wt., 6 ozs.

## BINAURAL HEADPHONES

99 H 1001 Binaural-Magnetic-6 ohms impedance 2.35

99 H 1002 Binaural-Magnetic. 5000 ohms impedance

## MONAURAL-MAGNETIC HEADPHONES

99 H 2546 Monaural-Magnetic-6 ohms impedance
1.75

99 H 2547 Monaural-Marnetic- 5000 ohms Impedance
1.95

## CLEVITE-BRUSH HEADPHONES

Model BA-200-1 (Fig. A) Rugged, sensitive. Impedance, 45,000 ohms Response, $100-8,000$ cps. With $5^{\circ}$ cord and headband and phone plug termination. Shpg. wt., 2 lbs.
40 H 8001
Net 22.00
Model BA-200B. Same as above but wired for stereo use. Impe. dance. 90,000 ohms. With eyelet terminals.
40 H 8002
Net 24.40
262720 Ear Cushions. Custom foam cushions for series BA-206, BA-200, and BA-220. Shpg. wt., $50 z$.
40 H 8004
H

- Detachable Plug-in Cord
- Flexible Plastic Support
- Excellent Sound Reproduction

A sensitive dynamic earphone of exceptionally fine quality. Lightweight, convenient and comfortable to wear. A flexible polyethylene support holds the receiver securely
 in place for either ear. The practicaliy Invislble transparent cord is connected to the cased earplece by means of a special plug. Provides clear reproduction with a pleasing tone quality. Complete with $3 . \mathrm{ft}$. cord. Shpg. wt., 5 oz . Imported.
99 H 2543 6.0hm Impedance with phone tip plug ............ Net 1.09
99 H 2542 3000.0hm Impedance with phone tip plugs ...... Net 1.19
99 H 2541 6.Ohm Impedance with subminiature phone plug and
matching phone jack ....................................... 1.29
99 H 2540 3000.0hm Impedance with subminiature plug and matching phone jacks ................................ Net 1.39

## EXTENSION WITH MINIATURE PLUG \& ADAPTER

## 39c

Perfect for extending earphone from transistor and portable radios. Extension up to 10 feet. Complete with miniature phone plug and adapter. Cable comes in attractive light pink color, Imported. Shpg. wt., 2 oz.
99 H 2549 Net . 39

## C. F. CANNON HEADPHONES


"CANNON-BALL" DOUBLE HEADSET
Low-priced, lightweight, with powerful Ainico $V$ magnets and double coils. Adjustable steei headband. $41 / 2 \mathrm{ft}$. cord. With pin tips. 40 H 8101 AM. 15-2- 2000 ohms DC 2.58

40 H 8111 AM-15-2- 2000 ohm DC, with standard phone plug,
vinyl headband .i.n................................... 3.04
40 H 8102 AM-15-3-3000 ohms OC
40 H 8103 AM-15.5- 5000 ohms DC 3.24

## "CANNON-BALL" SINGLE HEADSET

Single efficient phone with spring steel headband and $41 / 2 \mathrm{ft}$. cord. Shpg. wt., 1 lb .
40 H 8104 AM.15.1 -1000 omhs DC
40 H B105 AM-15-1500 - 1500 ohms DC
1.47

## "CHIEF" HEADSET

Similar to above but all - Bakelite phones, double coils, alnico magnets and vinyl headband. Dlaphragm diameter $2 K_{\mathrm{p}}$ ".
40 H 8106 CC11-11 ohms DC
Net 2.88
BRANDES "ADMIRAL" HEADPHONES
"Matched-tone" headset. Large dlaphragms. Double colls, chrome steel magnets. Adjustable steel headband. $41 / 2 \mathrm{ft}$. cord. Shpg. wt., 2 lbs .
40 H 8107 BA. 2 - 2000 ohms
2.97

40 H 8108 BA. 3- 3000 ohms
3.15

40 H 8109 BA. $5-5000$ hms
3.15
3.69

## BRANDES "SUPERIOR" HEADPHONES

"Matched-tone" headset of same general construction as the "Admiral" but with terminals on the outside.
40 H 8110 BS.2-2000 ohms
REPLACEMENT CORDS, CUSHIONS \& TIPS
Sturdy copper conductor replacement cords with cotton insulation, $41 / 2$ feet long, with terminations indicated. Double phone cord, except *is single cord.
40 H 5929 Spade and pin tip
Net .57
40 H 5930 Pin tip both ends
Net .57
40 H 5931 *Pin tip both ends
Soft cushion Itts all standard headphones.
40 H 5932 Shpg. wt., 1 lb.
Heavy plated tios. Takes up to No. 18 wire, 1": Iong, 4 oz .
32 H 8524 ................ of 10 . Net 2010 Pkg of 10 . Net 1.75

# Printed Circuit Components-Experimenters Items 

## perforated copper.clad and unclad boards

- Ideal For Transistor And Subminiature Circuitry

These sturdy, perforated boards are the ideal base for builders, experimenters, and labs to mount miniaturized components. Two types available; either high grade bakelite for wired circuits, or one side copper-clad for "printed" clrcuitry. Holes are Ko" diąmeter with Ko" between hole centers. All boards are Ko" thick. For contacts, the flea clips Iisted on this page are ideal. Avg. shpg. wt., 6 or.


| PERFORATED CLAD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Net | ${ }_{100}$ | $\begin{aligned} & \mathrm{tts} \text { of } \\ & 250 \end{aligned}$ | size |
| 19 H 3601 | . 35 | . 30 | . 24 | ${ }^{21 / 4 \times 3}{ }^{1 / \%^{\prime \prime}}$ |
| 19 193602 | . 15 | . 50 | . 45 |  |
| 19 19 19 | 1.15 |  | . 87 |  |
| 19 H 3604 | 1.99 | 1.58 | 1.42 |  |

PERFORATED UNCLAD



FLEA CLIPS FOR TRANSISTOR AND SUBMINIATURE CONTACTS
"Flea" clips are specially designed for subminiature work. Fit perfectly in holes in perforated copper-clad and unclad boards with Ko ${ }^{*}$ dia. holes. Made of beryllium copper. silver plated finish. Simply insert wire thru hole for positive grip contact.
19 H 3301 Package of $12 \ldots$
19 H 3302 Package of 1000
19 H 3303 Package of 5000 Net 1.25
$\qquad$ Net 15.75 19 H 3304 Package of 10,000 ......Net 149.30

MASONITE BREADBOARD


UNPERFORATED COPPER CLAD LAMINATE
Unperforated, finest quality XXXP bakelite and $\mathrm{G}-10$ epoxy glass bases one side copper laminate clad boards for printed circuit work. Avg. shpg. wt., 4 oz . STOCK NO. XXXP BAKELITE NET 19H7101 $9^{*} \times 12^{* \prime} \quad 1.50 \quad 19 \mathrm{H3704}$ 19 H 7102
19 H 71 $19 H 7103$
19 H 7104 is H 7105

| STOCK NO. EPOXY GLISS |  |
| :--- | :--- |
| 19 H 3704 | $0^{\circ} \times 12^{\circ \prime}$ |


| 19 H 3704 | $9^{\circ} \times 12^{\prime \prime}$ | 3 |
| :---: | :---: | :---: |
| 19 H 3705 | $6^{\prime \prime} \times 42 / 2{ }^{\prime \prime}$ | 1. |


| $19 H 3705$ | $6^{\prime \prime} \times 42 / 2^{\prime \prime}$ | 1.15 |
| :--- | :--- | ---: |
| $19 H 3706$ | $3^{\prime \prime} \times 44 / 2^{\prime \prime}$ | .59 |
| $19 H 3707$ | $2^{\prime \prime} \times 41 / 2^{\prime \prime}$ | .39 |

- Ideal for Kit Builders

Tempered masonite board with holes spaced $1 / 2^{\prime \prime}$ apart to facilitate mount. ing of parts. Size 727/3x $11^{27} / 3_{2} x^{1} 5^{\prime \prime}$ thick. Holes $1 / 4^{\prime \prime}$ diam. Shpg. wt.. 12 oz. 19 H 1701

Net .25


## "TECHNIQUES" PRINTED CIRCUIT KITS AND SUPPLIES

- Ideal for Laboratory Work to Make Prototypes

Printed circults are designed to eliminate wiring and are ideal for space saving. particularly where miniature components are used. They are being used widely in an ever increasing number of applica. tions. With these kits, you can etch your own circuitry on copper

- For The Builder-Experimenter-Student-

Technician
clad XXXP insulating boards with etching materials provided. Kits also contain variety of other materials and parts such as printed circuit sockets, various types of resist-material, etc. Listing below gives contents. Alf in handsome plastic boxes.

TECHNICIANS KIT
NO. 5003


Coniains 8 copper ciad single faced and 2 double faced boards from $44_{2} \times 6^{\circ}$ to $3 \times 21 /^{\prime \prime}$; 6 tube sockets; 2 packs etchant; 1 tape resist; 1 liquid resist; 3 dozen eyelets; 1 drill and typical circuit diagrams and direc. tions. In plastic box size: $93 / 4 \times 61 / 2 \times 2^{\prime \prime}$. Shpg. wt. 1 lb. 502.
19 H 6806
Net 9.75
EXPERIMENTERS KIT


A good kit to start off learning the technique of etched circuitry. Contains 3 copper clad boards from $41 / 2 \times 3^{\prime \prime}$ to $3 \times 21 / 4^{\prime \prime} ; 1$ each 7 and 9 pin sockets; 1 pack etchant; 1 tape resist; eyelet assortment; drill and directions. In plastic box size $51 / 4 \times 11 / 4 \times 4^{\prime \prime}$
19 H 6807 Shpg. wt., 8 oz.
Net 4.75
PRESENSITIZED
COPPER CLAD PANELS
All are Ko" thick copper clad one side. "are Xxxp laminate + are $G 10$ epoxy-glass lam. inate.

| STOCK NO. | TYPE | SIZE | NET EA. |
| :---: | :---: | :---: | :---: |
| 19 H 6803 | PXC.F* | $6^{\prime \prime} \times 9^{\prime \prime}$ | 2.00 |
| 19 H6804 | PXC-8* | $6^{\prime \prime} \times 42 / 2{ }^{\prime \prime}$ | 1.00 |
| 19 H 6805 | PXC-C* | 3 "x41/2" | . 75 |
| 19 H 6825 | PXE-F $\dagger$ | $6^{\prime \prime} \times 9^{\prime \prime}$ | 4.00 |
| 19 H 6826 | PXE-B $\dagger$ | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 2.00 |
| 19 H 6827 | PXE-C $\uparrow$ | 3"x49/2" | 1.00 |

PROCESSING MATERIALS
Type PXD-8 eirht ounce developer
19 H 6802
Net ea. 1.00
Type PXY-1 one ounce dye
19 H 6828

SCREEN PRINTING
KIT NO. 5006


This Screen Printing Kit provides an accurate and rapid means for making lapger sample quantities or even short production puns of printed circuits. Frame is molded phenolic measuring $8^{\prime} \times 12^{\prime \prime}$ It comes with silk already stretched and is hinge mounted on durable formica covered plywood base. Neoprene squeegee is mounted in sturdy all wood handle. Photo stencil film and all chemicals necessary for making stencils. Complete with screen process efch resistant ink, blockout medium, tape masking, solvent, spare bottle and complete instructions.
19 H 6824
Net 29.95

## NEW BALL POINT TUBES

Make resist patterns directly on copper clad boards. As easy to use as a ball point pen. Deposits line $\mathrm{K}_{6}$ " wide. No need to "lay-out" colors of resist for color coding of circuilting. Liquid resist ball point tubes are available in various colors. Yellow, green, blue, red, brown. black and orange.
19 H 6808C PRLT-Specify Color... Net 1.25 COPPER CLAD LAMINATE

ON EPOXY-GLASS
G- 10 Grade Epoxy Glass with copper clad laminate. "Laminated one side. tBoth sides laminated. All Ko" thick.

| STOCK NO. | TYPE | SI2E | NET EA. |
| :---: | :---: | :---: | :---: |
| 19 H 6822 | PE.A* | 9"x12" | 6.00 |
| 19 H 6823 | PE.F* | 9"16" | 3.00 |
| 19 H 6820 | PE-8* | $41 / 2$ " $16{ }^{\prime \prime}$ | 1.50 |
| 19 H 6821 | PE.C* | $41 / 2$ "x3" | . 75 |
| 19 H 6818 | PE-D* | 41/2"x2" | . 50 |
| 19 H 6819 | PE-E* | 21/4"x3" | . 40 |
| 19 H 6836 | PE-AAT | 9"x12" | 7.00 |
| 19 H 6837 | PE-FFT | $9^{\prime \prime} \times 6^{\prime \prime}$ | 3.50 |
| 19 H 6834 | PE-BE $\dagger$ | $41 / 2^{\prime \prime} \times 6^{\prime \prime}$ | 1.75 |
| 19 H 6835 | PE-CC $\dagger$ | $41 / 2$ "x ${ }^{\prime \prime}$ | . 90 |
| 19 H6832 | PE-DDt | 442"x2" | . 60 |
| 19 H6833 | PE-EE $\dagger$ | 21/4" ${ }^{\prime \prime}$ 3' | . 45 |

INDUSTRIAL LABORATORY


Ready to use presensitized copper clad laminate cuts time to make prototype printed circuits. Kit contains 20 -pieces single and double clad $X \times X-P$ and epoxy fiberglass laminates in assorted convenient sizes, presensitized and uncoated. 20 assorted printed circult tube and transistor sockets. 2 rolls tape resist strip Ko" and $1 / 3^{\prime \prime}$ wide. 200 dfe -cut tape resist circles $1 / 4$ " and Ko" diameter. Bottle liquid resist and brush. Ball-point resist pen. Package of printed circuit eyelets and terminals, 51 drill, layout paper, exposure clamp, developing and etching solutions with trays. Full instructions and technical bulletins.
19 H 6801 Shpg. Wt.. 10 lbs.
Net 29.95
PRINTED CIRCUIT ACCESSORIES
Basic components for the experimenterade-signer-lab-limited production-etc. In printed circult construction. Highest quality mate-rlals-indispensable for prototype work.
TAPE RESIST
$320^{\circ}$ Rolis of Tape Resist (Black) Average Shpg. wt., 20 oz.

| STOCK ${ }_{\text {No. }}$ | TYPE | WIOTH | NET EA, |
| :---: | :---: | :---: | :---: |
| 19 H 6812 | PRT1 | 名" | . 85 |
| 19 H6813 | PRT2 | \%" | . 75 |
| 19 H 6814 | PRT3 | ${ }_{12}{ }^{\prime \prime}$ | . 90 |
| 19 H 6815 | PRT4 | $1 / 8^{\prime \prime}$ | . 90 |
| 19 H6829 | PRT 8 | $1 / 4 "$ | 1.00 |

RESIST CIRCLES PACKAGES OF 100 EA.
19 H 6816 PRTD. 6 *" diam. 75
19 H 6830 PRTD. 8 y" diam. 75
TOUCH UP RESIST
19 H 6817 PRL one ounce jar ..................... . 50
EYELETS
19 H 6811 PEY12 125 Asst. Eyelets ........ . 60
PRINTED CIRCUIT TERMINALS
19 H 6 A31 PTE10 Pkg. of 10
ECHANTS
19 H 6809 PE16 Pint ................................ 1.25
19 H 6810 PE32 Quart ................................... 2.25

# VECTOR Boards, Terminals \& Kits 

## VECTOR "PLUGBOAROS" AND RECEPTACLES

0
(Less components)


R635 ANO 2536
Ready-to-wire plugbords ideal for prototypes and short runs, Made of epoxy-paper Kis thick, meets MIL-P-22324; WE types are epoxyglass Ko" thick, meets MIL.P-18177. All boards except type 2536WE have $.062^{\prime \prime}$ holes on alternate intersections of a . $1^{\prime \prime}$ grid. Type 2536WE has .093" holes on . $2^{\prime \prime}$ grid and a number matrix for ready hole identification. Elco Varicon contacts attached to board provide terminations. All 838 types for printed circuits and have etched copper contact strips and etched contacts on $.156^{\prime \prime}$ centers and $.072^{\prime \prime}$ wide, except ". $090^{\prime \prime}$ wide. $\dagger$ Contacts total two sides. $\ddagger$ Contacts and etched pad layout one side.


| $\begin{aligned} & \text { STOCK } \\ & \text { NO. } \end{aligned}$ | MFRS. TYPE | SIZE | NO. CONTACTS | 1.19 | ESER 20.99 | $\begin{aligned} & 100- \\ & 199 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19 H 8323 | 837 | $3 \times 42 / 2^{\prime \prime}$ | 12 | 2.24 | 2.02 | 1.85 |
| 19 H 8324 | 837 WE | 3x412" | 12 | 2.48 | 2.23 | 2.08 |
| 19 H 8325 | 812 | $41 / 2 \times 61 / 2^{\prime \prime}$ | - 16 | 2.87 | 2.58 | 2.41 |
| 19 H 8326 | 812 WE | 41/2×61/2" | " 16 | 3.39 | 3.05 | 2.85 |
| 13 H 8327 | 838A | $412 \times 61 / 2^{\prime \prime}$ | ' 22 | 2.70 | 2.54 | 2.45 |
| 19 H 8328 | 838 | $41 / 2 \times 61 / 2^{\prime \prime}$ | - 43 $\dagger$ | 3.51 | 3.33 | 3.21 |
| 19 H 8329 | 838PWE* | $41 / 2 \times 61 / 2^{\prime \prime}$ | - 22 | 3.76 | 3.48 | 3.32 |
| 19 H 8330 | 848WE | $41 / 2 \times 61 / 2^{\prime \prime}$ | - 35 | 5.86 | 5.27 | 4.92 |
| 19 H8331 | 2536WE | $42 \times 61 / 2^{\prime \prime}$ | - 35 | 6.76 | 6.03 | 5.63 |

RECEPTACLES have solder tabs and mounting holes.

VECTOR-PAK 28 X HIGH FREQUENCY CIRCUIT BREADBOARDING KIT

components

## 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.31158. Epoxy glass grade G10 per mil P-18177. Ali ho" thick except "1/3,". All .093" hole size on $.265^{\prime \prime}$ spaced centers except ${ }^{*} .064$ hole on $.2^{\prime \prime}$ centers and $\dagger .063^{\prime \prime}$ hole on .141" centers. For use with vector push-in terminals. Aver. age shog. wt., 7 oz .

| Stock No. L | W | Code | No, of Holes | 1-19 | 20.99 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PHENOLIC BOAROS |  |  |  |  |  |
| 19 H $830717^{\prime \prime}$ | 4-13/16" | - | 64x 18 | 1.25 | 1.13 |
| 19 H $830817^{\prime \prime}$ | $4-13 / 16^{\circ}$ | $+8$ | 83823 | 1.25 | 1.13 |
| 19 H 8309 19" | 8-5/8" |  | $(95 \times 43)=2$ | 2.32 | 2.09 |
| 19 H $83101^{\prime \prime}$ | 8-3/4" |  | 72x 33 | 2.24 | 2.02 |
| 19 H $831181 / 2{ }^{\prime \prime}$ | 4-13/16" |  | 32x18 | . 84 | . 76 |
| 19 H $831217^{\prime \prime}$ | 4-13/16" | - | 42x18 | 1.60 | 1.44 |
| 19 H 8313 812" | - $-7 / 16^{\prime \prime}$ |  | $32 \times 9$ | . 60 | . 54 |
| 19 H $8314{ }^{\text {17" }}$ | 8.1/2" |  | 64x3: | 2.45 | 2.21 |
| EPOXY PAPER BOARDS |  |  |  |  |  |
| 19 H $831517^{\prime \prime}$ | 4.13/16 ${ }^{\circ}$ | \# 8 | $85 \times 23$ | 2.06 | 1.85 |
| 19 H $831617{ }^{\prime \prime}$ | 14-13/16 ${ }^{\prime \prime}$ | * 1 | (85x23) 22 | 2.06 | 1.85 |
| EPOXY GLASS BOARDS |  |  |  |  |  |
| 19 H 8342 17" | 14-13/16" |  | 64x18 | 3.72 | 3.35 |
| 19 H 8343 17** | 14-13/16 ${ }^{\prime \prime}$ | + | $(85 \times 23) \times 2$ | 3.81 | 3.43 |

## VECTOR EXPERIMENTERS CHASSIS KITS



Uesigned for rapid set-up of experimental tube or transistor circuitry. Each kit contains 1 or more prepunched phenolic boarts all $3_{2}$ " thich, aluminum channels for mount Ing. an assortment of sockets, push in ter minals types 19.4 and T30N, spring clips, assorted screws, nuts spacers, metal strap brackets, installation tool for T30N and push in terminals, 6 sheets of layout paper, plastic parts box and instructions.
Kit No. 20x for tube Circuitry. Includes 1 punched board $43 / 4 \times 81 / 2^{\prime \prime}$ and 8 asstd. tube sockets.
Kit No. 21X for Tube and Transistor Cir. cuitry. Includes 3 boards, $41 / 4 \times 17^{\prime \prime}, 11 / 0 \times 1.9^{\prime \prime}$. $81 / 2 \times 1.9^{\prime \prime} .4$ transistor sockets, 8 asstd. tube sockets, 14 diode dips and wire.
Kit No. 22X for Transistor Circuitry. Includes 3 boards, $43 / 4 \times 81 / 2^{\prime \prime}$. $17 / 4 \times 1.9^{\prime \prime}$. $81 / 2 \times 1.9^{\prime \prime}, 8$ assid. transistor sockets. 12 diode clips and wire.

$\begin{array}{llllll}19 \mathrm{H} 8311 & 20 \times 1 & 6.75 & 6.08 & 4.73 & 4.52\end{array}$

 | 19 H 8319 | $22 \times$ | $11 / 4$ | 11.50 | 10.35 | 8.05 | 7.71 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## VECTORESIST RUB-ON RESIST FOR ETCHED CIRCUITS



Provides simple method of resist applica tlon. Easily applied neat and reliable resist patterns for etched circuits. Patterns are simply rubbed from VECTORESIST sheet onto copper clad Vectorboard or equivalent and etched with Ferric Chloride or Am. monium Persulphate solution, VECTORESIST. sheet contains balanced quantities of different line widths curves, circles, pads and solid areas with standard spaced plug contacts. Sheet size is $9 \times 13^{\prime \prime}$. Shog. wi, $1 / 202$. 19 H 8321

Net 2.00

## VECTOR ETCHED CIRCUIT KIT



Designed for making low cost etched circuits with the least amount of bother, Kit comes complete with 2 phenolic punched vectorboards, 1 sheet of tape resist circies, 1 sheet of tape resist strips, etchant, 2 grid layout paper, pen, clips, etc. Círcuit can be sketched on grid layout paper provided. Once best circuit arrangement is found etch resist can be applied with resist pen and/or tape to a copper clad vectorboard. When layout is complete, board is placed in plastic bag containing chemical solution and bag is agitated. Circuit takes less than 10 minutes to etch. A complete etched circuit kit 19 H 8322 Shpg. wt., 1 lb. 5 ozs. - Net 6.50

## PUSH-IN TERMINALS

## AND INSERTION TOOLS



TYPE T9.4 Terminal. Brass, Tin plated with serrated slots. fits hole size .094" TYPE P122 insertion tool for T. 94 terminals. 19 H 8341 Net ea. 1.00 TYPE 128 terminal beryllium copper tin-plat. ed, fits hole size $.062^{\circ}$
19 ค 8302
Pkg. of $100 \quad 1.55$ 19 H 8338

Phg. of 100011.00 TYPE P91 Insertion tool for T28 terminals. 19 H 8306

Net ea. . 50
TYPE TJON2 Springclip terminal holds up to slx wires without soldering. Nickel plated brass body with nickel plated steel music wire spring fits hole size . $094^{\prime \prime}$
19 H 8304 Phg. of 10 . 95 19 H 8303 ——Pkg of $100 \quad 6.95$ 19 H 8339 _._Pkg. of 100048.50 TYPE P92A Insertion tool for T3ON2 termb. nals.
19 H 8305 Net ea. . 50
VECTOR SOLDERLESS CIRCUIT SET-UP KIT


Provides an easy means of setting-up and testing circults rapidly without having to solder connections. $1.81 / 2^{\prime \prime} \times 17^{\prime \prime}$ vectorboro deck and frame, extra pieces of vectorbard, brackets, 90.730 N 2 Solderless Spring-Clios, Lug-Clips, 100 -T9.4 Solderable Terminals 6-Transistor Sockets, (4 Universal-type , 2 Power-type), 3 -Noval 9 -pin, 3 -Minlature 7 -pin and 2 -Octal 8 -pin tube sockets with mount ing wafers. Shpg. wt., 1 lb.
19 H 8320 Model 25X .... 1-49 ea. Net 21.45
50-199 ea. Net 19.31

\title{

Transistor Components-Variables-Loops-Rectifiers


\section*{TRANSISTOR MINIATURE 2 GANG

## TRANSISTOR MINIATURE 2 GANG SUPER-HET VARIABLE CONDENSER

Lightweight-both the frame and plates are aluminum. Smooth ball bearing action over entire $180^{\circ}$ rotation. Bake lite stator insulation. Capacity of 11 plate R.F. section is 6.3 to $123.1 \mathrm{mmfd} ; 9$ plate osciliator section is 5.7 to 78.2 mm . 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 $11 / 4^{\prime \prime}$


## 32 H 1106

Net 1.39
TINY TUNING CONDENSER-with DIAL

- 385 MMF. ONLY I" SQUARE, Ko" DEEP - POLYETHYLENE DIELECTRIC - FOR TRANSISTOR \& MINIATURE A new "Poly-Vari-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 $114^{\prime \prime}$ diam.: rotation is $180^{\circ}$. Dial is mounted to condenser shaft by Ko" diam. chrome-plated threaded retainer. Imported.
99 n 6211 Shpg. wt., $50 z$.
Net .59



## FERRITE ANTENNA CORES

## SELENIUM RECTIFIERS

Replacements for radios, TV sets, Hi-Fi etc. 130 VAC input; 380 max. peak inverse volts. All have solder lugs. Avg. shpg. wt., 4 oz.

| Stock No. | Wa | Net <br> Eact | V/10 <br> Each |
| :--- | :---: | ---: | ---: |
| 33 H 4537 | 0.75 | .50 | .45 |
| 33 H 4538 | $75-150$ | .62 | .56 |
| 33 H 4539 | $150-300$ | .92 | .63 |
| 33 H 4541 | $400-500$ | 1.02 | .92 |
| 33 H 4535 | $500-650$ | 1.75 | 1.58 |
| 33 H 4534 | 750 | 1.88 | 1.37 |

SARKES TARZIAN SILICON RECTIFIERS
All rated max O.C. 1 amp.


Now you can wind your own ferrite rod an-tenna-to fit your own particular length, width and $Q$ requirements. A real boon to the experimenter - builder - small lab. design engineer. A necessity in attempting recelver miniaturization. Easily cut to any size required. Avg. shpr. wt., $40 z$.

Net ea. 12 for
$30 \quad 3.24$


## LITZ WIRE

$7 / 41$ stranded per 100 ft . Shpg. Wt., 802 32 K 1485 Beiden $\$ 8817$..................Net .65


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 toudness. May be installed in any position. Complete with instructions. Imported.
ss H 6311 Shpg. wt., 8 oz. ... Set of 3 Net . 89

## HIGH-GAIN LOOPSTICK ANTENNA



Give high gain across complete AM broadcast 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 "Q" of 240-275. Boosts sensitivity and sig. nal 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. Efficlent at any angle. $21 / 4 \times 3 / 46^{\prime \prime}$
32 H 4106 wt ., 4 oz . In lots of 10 , Each .36
Singly, Each 39
8. 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. $30 \times 5^{\prime \prime}$. Shpg. wt., 602 .
32 H 8201 $\qquad$ Net .ts C. $7^{\prime \prime}$ SUPER̃ 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. Adjustable for maximum sensitivity over length of 7 in. Complete with mount.
32 H 8202 Shpg. wt., 6 oz. $\qquad$
TRANSISTOR TAPPED VARIABLE ANTENNA COIL


- boosts signal pickup
- 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 $420 \mu \mu F$ variable capacitors, as well as in minimum loading by first transistor stage for sharper tuning and greater selectivity. Highly sensitive with a " $Q$ " of up to 250 . With adjustable ferrite core for maximum peaking. Singlehole snap-in mounting, plus bracket. Efficient at all angles. Size:. $2 \times 30^{\prime \prime}$ diam.
32 H 4108 Shpg. wt., $40 z$.
Net .59

## FERRITE ANTENNA KIT

- 3 ANTEMMAS FOR

TRANSISTOR RADIOS All three
HIGH "GI"FOR TOP for
PECEPTIOM RECEPTIOM


Three sizes of fiat ferrite antennas. Each has a high inductance of 480 microhenries. Tapped leads are color coded. Designed to match most AM transistor radios. Matches tuning condenser sect. $167.5-8 \mathrm{mmfd}$. osc. sect. 75.5 mmfd . 8 mmfo . Sizes: (1) $13 / 4 \times 7 / 3 x$ $1 / 8^{\prime \prime}(2) .21 / 8 x^{3 / 8} \times 1 / 0^{\prime \prime}$ (3) $23 / 8 x$ Y $Y_{6} \times^{1 / 8 " .}$ Imported.
99 H 6221 wt., 5 0z... Net . 79 COLOR TV RECTIFIER REPLACEMENTS


- =Sllicon, all other selenium

 Philco 34-8058, RCA 1470990, and others
hOLDERS FOR TYPE MSOO
$\begin{array}{lll}13 \text { H } 6204 & \text { Single Holder (Fig. C) } & \text { ea. } 16 \\ 13 \mathrm{H} 6205 & \text { Dual Holder (Fig. D) } & \text { ea. } 31\end{array}$


# Experimenter's Parts-Miniature IF's and Controls 

## TRANSISTOR POTENTIOMETERS DIME <br> 5/8" Dia.

For Sub-Miniature Circuits
Versatile carbon controis for audio, tone and similar applications; speclaliy designed for Transistor and Sub-miniature circuits. Only 5/a" diameter, shaft $1^{10}$ long $1 / a^{\prime \prime}$ diameter. Shaft easily cut to desired length, includes nut and lock washer. Shpg. wt., 202.

> WITHOUT SWITCH

32 H 73541 M ohms 32 n 735950 M ohms 32 H 73555 M ohms $32 \mathrm{~N} 73601 / 2 \mathrm{Meg}$ 32 H 7356 10M ohms 32 H 73611 Meg

## Any of above

Net ea. . 49 32 H 2405 Miniature Knob 5/8" Diam. Net .09

## WITH S.P.S.T. SWITCH

Versatile Sub-Miniature Controls with S.P.S.T. switches are rated 1 amp at 20 Volts, $1 / 4$ amp at $671 / 2$ Volts. Control was especially designed for Transistor and Sub-Miniature applications; Bushing $1 / 4^{\prime \prime}$ diameter and $1 / 4^{\prime \prime}$ long, includes nut and lock washer. Only $3 / 4$ " diametef ${ }^{3} \mathrm{~K}_{4}$ " deep, shaft $\mathrm{K}_{0}{ }^{\prime \prime}$ diameter, $1^{\prime \prime}$ long. Shaft can be cut to desired length. 32 H 7362 1M ohms 32 H 736750 M ohms 32 N 7363 5M ohms 32 H 7368 1/2 Meg. 32 H 736410 M ohms
Any of above .................................. ea. 69 32 H 2405 Miniature Knod 5/8" Diam. Net. . 09

## SUB-MINIATURE NTE

 VARIABLE RESISTORSSIZE--3/8" Dia. No" Thick 29c each
Carbon composition potentiometers built for the most compact installations. Ideal for orinted circuits. Shpg, wt.. 2 oz. Imported 99 H 61421000 ohms, 99 H 6143 5K ohms, 99 H 6144 10K ohms, 99 H 6145 50K ohms, 99 H 6146500 K ohms. Any of above

Net ea. . 29

REPLACEMENT 5,000 OHM VOLUME CONTROL FOR JAPANESE TRANSISTOR RADIOS
A volume contral with the proper resistance dimensions and mounting for replacement in thou. sands of Japanese

## 59

 ransistor radios. A5,000 ohms potentiometer with S.P.S.T switch. Only $5 / 8^{\prime \prime \prime}$ dia., $1 / 2^{\prime \prime}$ total depth. Easily installed in printed circuits. Comes with 15/." dia. knob Shpg. wt., 2 o2s. Imported
99 H 6019
Net .59

## PI.NETWORK ASSEMBLY

For optimum antenna matching and output.
 Used in Lafayette HE.
20A. Consists of mounting bracket. Final coil, 10 unid plate capacitor and 330 $\mu \mu \mathrm{fd}$ output capacitor. Completely wired. Size $21 / 2 \times 1^{3 / 6} \times 21 / 4^{\prime \prime}$ High. With schematic. Shpg. wt., 802.
32 H 0925
Net 2.95

## LAFAYETTE UNIVERSAL CONTROLS WITH SWITCH-AUDIO TAPER



MOST POPULAR REPLACEMENT CONTROLS
$21 / 2^{\prime \prime}$ Long Round Shaft $1 / 4^{\prime \prime}$ Dia.
tho Bushing. Shpg. wt., 3 o2s.

## 32 H 72971 meg.

ea. . 49
Lots of 10
ea. .42
32 н $72881 / 2$ meg.
Lots of 10
ea. . 49
ea. 42

## NATIONAL RF CHOKES

Wound on ceramic forms except R33, R50 and R60 series on bakelite. All have fungus resistant varnish coat. Type R33 is 2 section, R50 are 3 and 4 section. Types with $\dagger$ mounted on fixed standoff insulator. Types ending in $U$ have removable standoff. Av. Shpg. $w \mathrm{~L}, 2$ to 6 oz .

$\begin{array}{lll}1 & B & C\end{array}$



| No. | Type | Fig. | MH\$ | Ma | Ohms | $1.49$ | $50-99$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 5101 | R-100 | A | 2.5 | 115 | 44 | . 57 | 54 |
| 32 H 5102 | R-100 | A | 5 | 70 | 90 | . 90 | . 86 |
| 32 H 5103 | R-100 | A | 10 | 60 | 130 | 1.12 | 1.06 |
| 32 H 5104 | R-100Ut | 8 | 2.5 | 115 | 44 | . 74 | . 70 |
| 32 H 5105 | R-100U | B | 10 | 70 | 90 | 1.04 | . 99 |
| 32 H 5106 | R-100U | B | 10 | 60 | 130 | 1.26 | 1.20 |
| 32 H 5107 | R-100S $\dagger$ | C | 2.5 | 115 | 44 | . 99 | 94 |
| 32 H 5108 | R-100St | C | 5 | 70 | 90 | 1.32 | 1.25 |
| 32 H 5109 | R-100St | c | 10 | 60 | 130 | 1.49 | 1.41 |
| 32 H 5110 | R-100ST | D | 2.5 | 115 | 44 | . 66 | . 63 |
| 32 H 5111 | R-100ST | D | 10 | 60 | 130 | 1.12 | 1.06 |
| 32 H 5112 | R-300 | A | 1 | 400 | 11 | . 57 | . 54 |
| 32 H 5113 | R-300U $\dagger$ | B | 1 | 400 | 11 | . 77 | . 73 |
| 32 H 5114 | R-300St | C | 1 | 400 | 11 | 1.00 | . 95 |
| 32 H 5115 | R-300ST | D | 2.5 | 375 | 17 | . 80 | . 76 |
| 32 H 5118 | R-50 | E | . 5 | 150 | 15 | 42 | . 40 |
| 32 H 5117 | R-50 | E | 1 | 135 | 23 | . 42 | . 40 |
| 32 H 5118 | R-50 | E | 2.5 | 125 | 38 | . 42 | . 40 |
| 32 H 5119 | R. 50 | E | 10 | 115 | 36 | . 72 | . 68 |
| 32 H 5120 | R-154 | G | 1 | 600 | 6 | 2.45 | 2.32 |
| 32 H 5121 | R-154U | N |  | 600 | 6 | 2.01 | 1.91 |
| 32 H 5122 | R-175A | I | 225 | 800 | 5 | 4.46 | 4.23 |
| 32 H5123 | R-33 | E | $1 *$ | 850 | . 06 | . 36 | . 34 |
| 32 H 5124 | R. 33 |  | 11* | 350 | 1.8 | . 36 | . 34 |
| 32 H 5125 | R-33 | E | $50 *$ | 225 | 3.5 | . 36 | . 34 |
| 32 H 5126 | R-33 | E | 100** | 200 | 5 | . 36 | . 34 |
| 32 H 5127 | R. 33 | E | 750** | 125 | 16 | . 36 | . 34 |
| 32 H 5128 | R-60 | K | $2 *$ | 1500 | . 06 | . 29 | 28 |
| 32 H 5129 | R-40-3.3 | K | 3.3 | 125 | 15.7 | 53 | 50 |
|  | = Milithenries |  |  | - | rohe |  |  |

MINIATURE IF TRANSFORMERS AND OSCILLATOR COILS
 Each with schematic and pin contacts. ideal replacements for Japanese 6 -transistor radios. Shpg. wt., 6 01. Imported.

Ali Units only $30^{\prime \prime} \mathrm{Sq}$. and $\% 0^{\circ} \mathrm{High}$.
99 H 6300 Oscillator coll Inductance $270 \mu \mathrm{~h}$. 99 N 6301 1st IF: prl. 70,000 ohms, sec. 1500 ohms.
99 H 6302 2nd IF: pri. 50,000 ohms, sec. 1000 ohms.
99 H 6303 3rd IF: pri. 30,000 ohms, sec. 5000 ohms.
Any of above
Net ea. . 59
SUB-MINIATURE TRANSFORMERS
ONLY K K" SQ. AND K Ko" HIGH


Same as miniature if transformers above ex cept sizo. Imported.

| 99 H 6247 Oscillator Coil | Net 69 |
| :---: | :---: |
| 99 H 6248 1st If | Net . 69 |
| 99 H6249 2nd if | Net . 69 |
| 99 H 6329 3rd if | Net . 69 |

## 455 KC UNIVERSAL I.F. <br> 

the most popular replacement I.F. Ideal for experimenters. Exceptionally high gain powdered Iron core, compression tuned .455 KC midget I.F. -only $3 / 4^{\prime \prime}$ square by $17 /{ }^{\prime \prime}$ high. For both input and output circuits. Supplied with mounting clip and adapter plate to replace both midget and larger size cans. Used in Lafayette NE-15B CB Trans. ceiver. Shog. wt.. 4025.
32 N 0946
Singly, each 89
Lots of 10 each. 79
EXPERIMENTERS BONANZA!


# Photoconductive And Photoolectric Cells 



D


Photo camovctive cells. Conductivity varies with intensity of llght. All rated at 20 ma at 200 volts. Wave length 4000 to 8000 ang stroms. Resistance at 0 ft . candle is 10 meg for type A. 5 meg for type 8 . Other chart ratings approx. $\pm 50 \%$. Imparted.

| Stock N0. | Fig. IFC | 10FC | 100FC |  |
| :---: | :---: | :---: | :---: | :---: |
| 99 H 6320 | A 1.5 meg | 150,000 | 25,000 | . 99 |
| 99 H 6321 | B 25,000 | 4,500 | 700 | . 99 |

(Fic. D) New head-type window cadmium sul. phide, photocell. Maximum Ratings: $\mathbf{2 0 0}$ volts $D C$ or $A C$ peak. Temperature is $-40^{\circ} \mathrm{C}$ and $+60^{\circ} \mathrm{C}$ R Resistance is over 10 megohms at zero ft . candles, 100,000 ohms to 10 meg. ohms i foot candle, 100,000 to 350,000 ohms at 10 foot candles; Range of sensi. tive wave length is 4000 to 8000 angstroms. Size: $\mathrm{Ki}_{0}{ }^{\circ}$ diam. $\times 1 / \mathrm{a}^{\prime \prime}$. o/a. Standard screw mount: miniature base. Imported. 99 H 6309 Shpg. wt., 4 oz. ........... Net .95
(Fig. E.) A variable resistance device with extremely broad response to visible light. Peak in blu-green with a highly sensitive surface, $\mathbf{3}^{\mathbf{\prime \prime}}$ light area. Ideal for direct relay operation, home lamp control, headilight dimmer, counter controls, door controls etc. Rated at 300 V DC, 500 V AC Deak; 250 MW dissipation; Resistance at 1 foot candle (day. Hght), $2.5 \mathrm{~K}-100 \mathrm{~K}$, Resistance at 50 foot candies (incandescent) 100-1000 ohms; dark resistance, $1 \mathrm{M}-1000$ Megohms. Size $1 / 2^{\mathrm{m}}$ Dia. $x$ Kran depth. Shpg. wi., 2 oz. 19H4701

Net 1.50
(Fis. C.) A neatly constructed crystal photo cell that has countless applications in counting, relay actuation, etc. Resistance varies with light from 1 megohm in total darkness to approx. 1500 ohms at 100 foot candles. Responds to entire visible spectrum and has $1 / 10 \mathrm{sec}$. response for relay operation. Minimum current output 60 ma at 50 ft . candies at 90 volts. Power dissipation 2 watts for 5 seconds. $1 / 2$ watt continuous. Output as low as .08 ma at 1 ft . candle at 6 volts, varying with lllumination intensity and applied voltage. Neatiy capsulated for easy mounting with leads for electrical connection. $11 / x^{1 / 2} \times 1 / e^{m}$ overall. imported. Shpg. wt. 4 oz.

Net 1.29

## b3M SElemium 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: $11 / 0 \times 1 \% \times K_{0}$. Shpg. wt., 402.
19 H 2903
In Lots of 10 or more $\qquad$ Net 1.71

## SIM SIIICON SOLAR CELI

Output rating 0.3 to 0.4 volts and 10 to 16 mililamps in full sunlight. Plastic case with pressure sensitive adhesive disc. Size: $11 \% \mathrm{x}$ $11 / \mathrm{x} \mathrm{Kam}^{\mathrm{c}}$. Shpg. wt., 4 oz .

## 15 M 2904

Net 2.20
Lots of 10 or more
Net ea. 1.96


## Ressisod photocui $89^{\circ}$

A cadmium-sulphide lightactivated resistor used to actuate door openers, burgtar alarms, relays, light controls, production counters, etc. Reslstance varies from 75 ohms at approx. 93 toot. candles to over 10 megohms in total dark. ness. Maximum volts: 110 VAC (peak) 110 VDC ; maximum dissipation: 2 watt @ $40^{\circ} \mathrm{C}$. 1 watt @ $50^{\circ} \mathrm{C}, 0$ @ $60^{\circ} \mathrm{C}$. Capacity approx. 6 mmf . $1 / 2^{\mu}$ diam. $x / \mathrm{s}^{\prime \prime}$ thick. Imported. Shpg. wt., 3 oz.
19 H 2101
Net .89

## INTERNATIONAL RECTIFIER SELENIUM PHOTOCELL GRAB BAG KIT <br> 

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 $1 / 3 \cdot 1 / 2$ volts; 250 microamps to 5 MA in bright sunlight. Shpg. wi., 802.
19 स2911
Net 1.90
PHOTO CELL AND SUM 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 project manual. Shpg. wt., 6 oz.
19 M 2910
Net 99


- No external power needed - Output in sunlight up to 60 MA Sensitive to a wide spectrum including white, colored or ultra-violet IIght. All unmounted complete with leads. Outputs in table below taken at 100 foot candie illumination with 100 ohm load. Shpg. wt., 3 oz . Imported.

| Slock |  | Out $\mu$ | Size | MET EACM |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mo. |  |  | 14 | \$-9 | 10 |
| 19 H | 243 | 100 | 1146x\%。" | . 59 | . 56 | . 53 |
| 99 H | 244 | 250 | 114x+9" | . 69 | . 66 | . 63 |
| 39 H | 245 | 350 | $1140 \times 70^{\prime \prime}$ | . 69 | . 85 | . 0 |

## B2M SUN BATTERY



Average sunlight generates 2 ma . current under lo-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 volt at 100 foot candles.
$\begin{array}{lr}1.9 & 10.100 \\ 1.47 & 1.32\end{array}$
15 н 2901

$$
\text { Net } 1.47 \quad 1.32
$$

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 $.25 \times .5^{\prime \prime}: 700$ series $.36 \times .18^{\prime \prime} ;$ 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 $D C$ resistance $\pm 1 / 3$ measured at 2 foot candes, $2854^{\circ} \mathrm{K}$ and $25^{\circ} \mathrm{C}$ amblent. $A=$ Peak Spectral Response. $t=500 \mathrm{MW}$ with heat sink; 250 MW without heat sink. $t=2000$ MW with heat sink; 500 MW without heat sink. Power rating at $25^{\circ} \mathrm{C}$ ambient; derated linearly 10 zero at $75^{\circ} \mathrm{C}$. All are Cadmlum Selenide except * are Cadmium Sulphide.

| Stock Ne. | Mir. <br> No. Fig | 4 | Light Volts Pwr. Ohms (Max) MW |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 H 1918 | CL603 B | 7350 | 133K | 300 | 75 |
| 19 H 1929 | CL603A B | 7350 | 75K | 300 | 5 |
| 19 M 1910 | CL603AL 8 | 7350 | 3.5K | 170 | 75 |
| 19 M 1911 | CL604 B | 6900 | 30K | 300 | 75 |
| 19 H 1919 | CL604L B | 6900 | 1.5K | 170 | 75 |
| Net ea. Any | of above |  |  |  | 1.75 |
| 13H1914 | CL504 A | 6900 | 1.5K | 250 |  |
| 19 H 1915 | CL504L A | 6900 | 0.25K | 170 |  |
| 19 H 1916* | CL505 A | 5500 | 9K | 250 |  |
| 19 月 1917* | CL505L A | 5500 | 1.5K | 170 |  |
| 19 H 1909* | CL602 B | 5150 | 1 M | 300 | 5 |
| 19 H 1912* | CL605 B | 5500 | 166K | 300 | 75 |
| 19 H 1920* | CL605L 8 | 5500 | 7.5K | 170 | 75 |
| 19 N 1908* | CL702L C | 5150 | 20k | 170 | 125 |
| 19 H 1905 | CL703 C | 7350 | 133K | 300 | 125 |
| 19 H 1906 | CL703L C | 7350 | 2.7K | 170 | 125 |
| 19 H 1930 | CL903 E | 7350 | 133K | 250 | 50 |
| 19 H 1931 | CL903L E | 7350 | 5.9K | 170 | 50 |
| 19 H 1932 | CL904 E | 6900 | 30K | 250 | 50 |
| 19 M 1933 | CL904L E | 6900 | 2K | 100 | 50 |
| 19 H 1934** | CL905HL E | 5500 | 100K | 100 | 0 |
| 19 H 1924 | CL5M4 D | 7350 | 7.2K | 250 |  |
| 19 H 1923 | CL5M3 D | 6900 | 1.5K | 250 |  |
| 19 H 1921 | CL5M4L D | 6900 | 0.25K | 170 |  |
| 19 H 1922* | CL5M5 D | 5500 | 9K | 250 |  |
| 19 H 1927* | CL5M5L D | 5500 | 1.5K | 170 |  |
| $19 \mathrm{H} \mathrm{1928**}$ | CL5M7 0 | 6150 | 7.2K |  |  |
| Net ea. Any | of above | 6150 |  |  | 1.50 |

Hermetically sealed high rellabllty lamps combined with hermeticaliy sealed pholocelts 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 $22 \mathrm{~V}, .005$ sec . for type CLM3120, .008 sec . for CLM4120. Decay time-time to reach 100 K after lamp eircuit is broken. Min. $5-\mathrm{sec}$. off resistance is 100 meg. for types with $t$, all other 1 meg. All lamps draw 40 ma except are neon 3 ma . Size: $11 / \mathrm{B}^{\mathrm{Cl}} \mathrm{L} \times .375$ Dlam.

| Steck Me. | Mfr. Type | Max. on Resis. Ohms | Max. <br> Delay <br> Time | Max. Lamp Volt |
| :---: | :---: | :---: | :---: | :---: |
| 19 H 1935 | CLM3006 $\dagger$ | 250 | .15 sec . | 6 |
| 19 H 1936 | CLM4006 | 50 | .90 sec. | 6 |
| 19 H 1937 | CLM3012 $\dagger$ | 125 | .20 sec . | 12 |
| 19 H 1938 | CLM4012 | 50 | . 75 sec . | 12 |
| 19 N 1939 | CLM3024 $\dagger$ | 140 | . 35 sec . | 24 |
| 19 H 1940 | CLM4024 | 40 | . 60 sec . | 24 |
| 19 H 1941 . | CLM3120 $\dagger$ | 700 | . 05 sec . | 120 |
| 19 H $1942 *$ | CLM4120 | 200 | . 60 sec . | 120 |

Depend on Lafayette for Complete Stocks, Lowest Prices, Fastest Service

# Terminal Strips - Cases - P.C. Accessories 

 ELECTRONIC BARRIER STRIPS11/" Wide


Sturdy Earrier strips moulded in blach Bahelite are ideal for permanent installations, as well as breadboard and experimental work. Sturdy barriers between terminal strips in. sure against accidental shorts. Two mounting holes on each end of strip insure ease of installation. See headings about each sertes for size specifications. Avg. wt., is 502. 7/" Wide
Leakage path between terminals is $3.8^{\prime \prime \prime}$.
Base is $7 / 8^{\prime \prime}$ wide $x 13 / 32^{\prime \prime}$ high.

| Stock No. | No. of | 1.49 | $\begin{gathered} \text { Net Each } \\ 50.99 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 33 H 8601 | 1 | . 15 | . 125 |
| 33 H 8602 | 2 | . 18 | . 15 |
| 33 H 1603 | 3 | . 23 | . 175 |
| 33 H 8604 | 4 | 264 | . 22 |
| 33 H 8605 | 5 | . 324 | .27 |
| 33 H 8606 | 6 | . 372 | . 31 |
| 33 H 8607 | 7 | . 426 | . 355 |
| 33 H 8608 | 8 | . 486 | . 405 |
| 33 H 8609 | 9 | . 54 | . 45 |
| 33 H 8610 | 10 | . 60 | . 50 |
| 33 H 8611 | 11 | . 640 | . 54 |
| 33 H 8612 | 12 | . 708 | . 59 |
| 33 H 8613 | 13 | . 762 | . 635 |
| 33 H 8614 | 14 | . 822 | . 685 |
| $33 \mathrm{Ma615}$ | 15 | . 876 | . 73 |
| 33 H 8618 | 16 | . 93 | . 775 |
| 33 H 8617 | 17 | . 984 | . 82 |
| 33 H 8618 | 18 | 1.038 | . 865 |
| 33 H 8619 | 19 | 1.092 | . 91 |
| 33 H 8620 | 20 | 1.148 | . 955 |
| 33 M 8621 | 21 | 1.206 | 1.005 |

## BAKELITE UTILITY CASE WITH ALUMINUM PANEL



Sturdy bakelite box features smooth rounded corners and recessed brass inserts for screw mounting of aluminum panelcomplete with hardware. Imported.

| Steck He. | Sizil | Het ${ }^{3}$ |
| :---: | :---: | :---: |
| 99 H 8077 | $31 / 4{ }^{\text {" }} \times 214{ }^{\prime \prime} \times 14^{\prime \prime}$ | . 5 |
| 99 H 8078 | 4*x $21 / 0^{*} \times 150{ }^{\text {c }}$ | . 69 |
| 99 H 8075 | $51 / 6^{*} \times 21 / 0^{\prime \prime} \times 1$ "/80 | . 79 |
| 99 H 6272 |  | 1.09 |
| ¢ H 2076 | 73/4" $\times 4 \%$ " $\times 23 \%^{\prime \prime}$ | 1.49 |


| BAKELIE CRSES |
| :--- |
| BAKELITE PANELS |

Leakage path between terminals.is $7 / 16^{\prime \prime}$. Base is $113^{\prime \prime}$ wide $\times 1 / 2^{\prime \prime}$ high.

| Stock No. | No. of Contacts | 1.49 | $\begin{gathered} \text { Net Each } \\ 50-99 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 33 H 8626 | 1 | . 18 | . 15 |
| 33 H 8627 | 2 | . 198 | . 165 |
| 33 H 8628 | 3 | . 27 | . 225 |
| 33 H 8629 | 4 | . 342 | . 225 |
| 33 H 8630 | 5 | .414 | . 345 |
| 33 H 831 | 6 | . 474 | . 395 |
| $33 \mathrm{H} \mathbf{8 6 3 2}$ | 7 | . 558 | . 465 |
| 33 H 833 | 8 | . 624 | . 52 |
| 33 H 8634 | 9 | . 69 | . 575 |
| 33 H 8635 | 10 | . 768 | 64 |
| 33 H 8636 | 11 | . 834 | . 695 |
| 33 H 8637 | 12 | . 90 | . 75 |
| 33 H 8638 | 13 | . 872 | . 31 |
| 33 H 8639 | 14 | 1.04 | . 87 |
| 33 H 8640 | 15 | 1.11 | . 925 |
| 33 H 8641 | 16 | 1.18 | . 95 |
| 33 H 8642 | 17 | 1.25 | 1.05 |
| 33 H 8643 | 18 | 1.33 | 1.11 |
| 33 H 8644 | 19 | 1.40 | 1.17 |
| 33 H ${ }^{\text {a } 645}$ | 20 | 1.47 | 1.23 |
| 1 \%** Wide $^{\text {e }}$ |  |  |  |
| Leakage path between terminals is $9 / 16^{\prime \prime}$. Base is 1 y" wide $x 5 / 8^{\mathrm{w}} \mathrm{High}$. |  |  |  |
| Stock Mo. | No. of Contacts | 1-48 | $\begin{gathered} \text { Net Each } \\ 50-98 \\ \hline \end{gathered}$ |
| 33 H 651 | 1 | . 248 | . 198 |
| 33 H 8652 | 2 | . 30 | . 24 |
| 33 H 8653 | 3 | . 41 | . 324 |
| 33 H 8654 | 4 | . 51 | . 408 |
| 33 H 8655 | 5 | . 62 | . 492 |
| 33 H8656 | 6 | . 73 | . 582 |
| 33 H 8657 | 7 | . 84 | . 672 |
| 33 H 865 | 8 | . 95 | . 756 |
| 33 H8559 | 9 | 1.05 | . 84 |
| 33 H 8650 | 10 | 1.17 | . 936 |
| 33 H 8661 | 11 | 1.28 | 1.02 |
| 33 H 8662 | 12 | 1.39 | 1.11 |
| 33 H 8663 | 13 | 1.50 | 1.20 |
| 33 H 8864 | 14 | 1.61 | 1.29 |
| 33 H 8665 | 15 | 1.73 | 1.38 |

## BAKELITE MOUNTING STRIPS



Codmium plated steel tugs spaced $3 / 8^{\circ}$ on centers. Bakellte strlp is $3 / 8^{\circ}$ wide $x .062$ In. thick. Ideal for supporting and joining electrical components. Type marked have grounding lugs in addition to the number of terminals indicated below. Mount with No. 6 screw. Avg. wt., $1 / 2$ tb. 5 per pige.

| Stock Me. | Term. | Fig. | Ph. of 5 | $20 \mathrm{Phg}$ $\text { of } 5$ |
| :---: | :---: | :---: | :---: | :---: |
| 32 H 1205 | 1 | A | . 18 | 3.25 |
| 32 H 1206 | 2 | B | . 20 | 3.70 |
| 32 H 1207 | 2 * | C | . 20 | 3.70 |
| 32 H 1208 | 3 | D | . 28 | 5.05 |
| 32 H 1209 | 3 * | E | . 30 | 5.50 |
| 32 H 1210 | 4 | F | . 31 | 5.80 |
| 32 H 1211 | 4* | G | . 33 | 5.95 |
| 32 H 1212 | 5 | H | . 35 | 6.40 |
| 32 H 1213 | 5 * | , | . 38 | 8.85 |
| 32 H 1214 | 6 | K | . 39 | 7.03 |
| 32 H 1215 | 6 * | 1 | . 40 | 7.20 |

## KIT OF 48 SOLDER LUG STRIPS <br>  <br> Handy assortment of 48 solder lug terminal

strips with 8 of each type from 1 thru 6 jugs.
Shpg. wt. 12 oz. Imported.
Sh Histil

GENERAL CEMENT PRINTED
CIRCUIT KIT, AND ACCESSORIES


Repair printed circults or printed wiring. Contains Print-Kote silicon resin, solvent. pure silver print, solder probe tool. PrintKote solder, stainless brush scraper and nrinient circuit service manual. Wt., 2 lbs. 13 H 6005 CC. 600 Kit

PRINTED CIRCUIT ESSENTIALS
PRINT-KOTE SILICON RESIM. Used to coat and protect joints and parts after repair. Fast, alr drying 2 oz , bottle with brush. Shpg. wt., 6 oz.
13 H 6007 CC-14-2 $\qquad$ Net 1.37 PRINT-MOTE SOLVENT. For removing silicon resin or to thin it. 2 oz. bottle. Shpg, wt., $6{ }^{01}$.
13 H 6008 GC.13-2 ___._._._Net . 41 PRINT-MOTE SOLOER, Non-corrosive flux with low, melting solder combined with pure silver. 2 oz. coil. Shpg. wt., 4 ozs. 13 H 6009 EC. 3131 _............... 51 PRINT-KOTE SILVER PRINT. Pure silver com. pound. Air drying. Used to repair printed circuit "wires" and touch up connections. 1/2 Troy 01. Shpg. wt., 4 ozs.
13 H 8010 EC-21-1 $\qquad$ Net 3.23 PRINT-KOTE COPPER PRINT. A high con. ductive, fast drying compound to touch up and repair printed circuits. With brush-cap in 202 , bottles. Shigg. wt., 602.
13 H 8114 $\qquad$ Net 1.91 BRUSH AND SCRAPER. Stainless steel brush and steel scraper. Indispensible repair tool for printed circults. Shpg. wt., 2 ors. 13 H 6012 GC. 9094
K-27 PRINT COAT. Clear sillicone resin in 6 oz. spray can. Insulates and protects. Shpg, wt., 8075.
13 H 8013 CC-14-6
Net 2.37

## HENVY DUTY SCREW COLLAR STRIPS


$\%^{2}$ " bahelite. $\%$ " wide Nichel Plated Brass Screw Terminals, tinned solder lugs. Avg shpg. wt., 40 oz .

|  |  | Net Each Lots of |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Steck Ne. | Taran. | 1 | 10 | 100 |
| 32 H 6448 | 2 | .22 | .20 | .18 |
| 32 H 6449 | 3 | .24 | .22 | .20 |
| 32 H 6450 | 4 | .30 | .27 | .24 |
| 32 H 6451 | 5 | .37 | .33 | .31 |
| 32 H 6452 | 6 | .43 | .39 | .36 |
| 32 H 6453 | 7 | .00 | .45 | .41 |
| 32 H 6454 | 8 | .56 | .50 | .45 |
| 32 H 6455 | 9 | .67 | .60 | .40 |
| 32 H 6456 | 10 | .69 | .62 | .56 |

TERMINAL STRIPS

High quality bakelite terminal strips. Solder lugs mounted on Ko" thick insulation. Available with 2, 3, 4 or 6 solder lugs and screw terminals. Mounting holes for $6-32$ screws. Avg. Shpg. wt., 402.

| Stock No. | Term. | Ea, | 5 for | 100 for |
| ---: | :---: | ---: | ---: | ---: |
| 32 H 7801 | 2 | .08 | .35 | 6.30 |
| 32 H 7802 | 3 | .12 | .53 | 9.45 |
| 32 H 7803 | 4 | .14 | .63 | 11.25 |
| 32 H 7804 | 5 | .18 | .83 | 14.85 |
| 32 H 7805 | 6 | .21 | .93 | 16.66 |
| 32 H 1201 | 7 | .25 | 1.13 | 21.25 |
| 32 H 1202 | 8 | .27 | 1.20 | 21.60 |
| 32 H 1203 | 9 | .31 | 1.40 | 25.20 |
| 32 H 1204 | 10 | .35 | 1.60 | 28.80 |

# Variable Condensers and Accessories <br> 刍 



MIDGET 2 GANG
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 irimmers on each section. End plates of RF section slotted for easy tracking. $180^{\circ}$ rotation. Capacity Increases counter clockwise, $1 / 4^{" 1}$ diam. brass shaft, mounted on ball-bearings, extends $11 / 2^{\prime \prime}$ from cadmium plated steel frame. Frame size: $11 K_{6} \mathrm{Dxl1} / 2 \mathrm{Wx} 1 \mathrm{~K}_{4} \mathrm{H}$. Standard mounting holes front and rear. Brass contact wiper. For superhet circuits with 455 KC IF. Shpg. wt., 10 oz .
32 H 1101 $\qquad$ Net 1.39

## 2 GANG TRF

Same construction as above but each gang has 23 plates. Maximum capacity each section 365.7
 32 H 1102 $\qquad$

## MIDGET 1 GANG TRF

Similar in construction to above but single gang with capacity from 10 to 365 mmf . Size $1 \%, 0 \times 1 y_{1} H \times 13$ " W . Shps. wt., 5 oz . 32 H 1103

## LAFAYETTE VARIABLE TUNING CONDENSER FOR CB \& 10 METER RIGS

- Used in Famous Lafayette HE-20A and HE-15A Transceiver


## Not

(A)
(B)

COUPLERS ANO EXTENOERS
Brass couplings ( $A$ ) and extenders ( $B$ ). Diameter of extender or coupling may be equal to, greater than, or less than diameter of shaft extended. Extender shaft length. $5 \%^{\prime \prime}$; overall length $11 / \mathrm{a}^{\prime \prime}$. Average shpg. wt., 4 oz . All are couplers except which are extenders.

| Stock No. | Size | Each |
| :---: | :---: | :---: |
| 32 H 6412 | $1 / 4 \times 1 / 4^{\prime \prime}$ | 22 |
| 32 H 6413 | $1 / 2 \times 3 /{ }^{\prime \prime}$ | 22 |
| 32 H 6414 | \% $\times$ \%" | 22 |
| 32 H 6415** | $1 / 4 \times 1 / 4^{*}$ | 25 |
| 32 H 6416* | \% $\times 1 / 4{ }^{\prime \prime}$ | . 25 |

use with
PANEL BEARING ASSEMBLY

Use with rigid or flexible coupling when mounting. For up to K." panels. Av. shpg. wt., 602.
32 H $64053^{\text {nN }}$ long, $1 / 4^{\text {"" }}$ shaft
32 H $64066^{\text {² }}$ long, $1 / 4^{* *}$ shaft
32 H 6406 6 long, 14 shaft ................ . 50
32 H 6407 Bearing only
EXTENSION RODS
For $1 / 4$ य dia. extensions. Av. sinpg. wt., 402. A single ganged, variable tuning condenser offering unlimited 32 H 6408- $6^{\prime \prime}$ Brass 27 MC Citizen's Band frequencies. Rotates thru a full $180^{\circ}$. Single ganged, having a shaft with an overall length of $11 / 5$ inches. Can be top or front panel mounted. Well constructed with a minimum capacity of 6.5 mmf , and a maximum capacity of 13 mmf . Dimensions 1 Kor $1 \mathrm{~K}_{\mathrm{L}} x^{\prime} \mathrm{K}_{\mathrm{c}}$ inches excluding shaft. Shpg. wt., 3 uz.

Net 1.50


## MICA TRIMMERS AND PADDERS

Base of low. Ioss ceramic. $13 / 2 \times 7 / 4 x$ $5 / 6^{\prime \prime}$ in size. $11_{2} 7^{\prime \prime} \mathrm{mtg}$. ctrs. Capacity ranges derived from 3 turns open to tight setting. Av. shpg. wt., 202.

32 H 6411-12* Phenollc .45


## DIAL CORD

Handy spools of prestretched nylon dial cord in sizes that cover almost all replacement needs. Breaking strength med. is $\mathbf{3 5}$ Ibs., std. $20^{\circ}$ lbs., thin 15 los. Average shpg. wt., 502.

| Type | Ola. No. 100 |  | No. |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 32 | 2.37 | 32 H 802 |  |
|  | 028" |  | 32 H 80 |  |
| Thin | .025", 32 H 8020 | 2.37 | 32 H 80 |  |
| 100 FT. NYLON DIAL CORD <br> 100 It. spool standard $.028^{\prime \prime}$ nylon drive cord. Finest quallty. Shpg. wt., 8 oz. <br> 32 H 7450 <br> Net 1.32 |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

HAMMARLUND MINIATURE VARIABLE CONDENSERS


TYPE HF
Single section tuning employing "APC" rotor and stator design-ideal for critical high freq. circults. Isolantite insulation. Air gap is $0.015^{\prime \prime}$ nominal.

| Stock No. | Mfg's Type | MMF | MMF | Net |
| :--- | :--- | :--- | :--- | :--- |
| 40 H 2881 | HF15 | 17.5 | 2.8 | 1.30 |
| 40 H 2882 | HF35 | 36. | 3.2 | 1.40 |
| 40 H 2883 | HF50 | 42. | 3.7 | 1.60 |
| 40 H 2884 | HF100 | 102. | 5.3 | 1.80 |
| 40 H 2885 | HF140 | 142. | 6.3 | 1.95 |

TYPE HFA
Similar to "HF" except very desirable for high frequency low-power applicatlons. Single hole or base mounting. Fí $x 1 / 4^{\prime \prime}$ round shaft. ${ }^{3 \%} \cdot 32$ thread $\times{ }^{2} \boldsymbol{\gamma}_{0}{ }^{-1} L$ bushing.

| 40 H 2841 | HFA-15.B + | 16 | 2.8 | 2.20 |
| :--- | :--- | ---: | ---: | ---: |
| 40 H 2842 | HFA-25-B | 25 | 3.0 | 2.30 |
| 40 H 2843 | HFA-50. $\$$ | 50 | 4.3 | 2.50 |
| 40 H 2844 | HFA-100-Btt | 100 | $\mathbf{7 . 5}$ | $\mathbf{3 . 9 0}$ |



## TYPE APC

Compact, high quality. Has high leakage resistance, and resistant to temperature, mois. ture, and wibration effects. Straight line capacitance. Hex collar on slotted shaft for rotor and screw-drlver adjustment. Air gap is $0.015^{\circ \prime}$ nominal. Shpg. we., 4 oz.

Series APS (Screwdriver Slot)

| Stock No. | Mfrs. Type | Max. Mmf | Min. Mmf. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 H 2846 | APC-25 | 25 | 3.0 | 1.20 |
| 40 H 2847 | APC-50 | 50 | 3.9 | 1.35 |
| 40 H 2848 | APC. 75 | 75 | 4.6 | 1.45 |
| 40 H 2849 | APC. 100 | 100 | 5.5 | 1.60 |
| 40 H 2850 | APC-140 | 140 | 6.7 | $1.80^{\circ}$ |
| Series APC-B ( $1 / 2^{\prime \prime}$ Shaft) |  |  |  |  |
| 40 H 2852 | APC-258 | 25 | 3.0 | 1.30 |
| 40 H 2853 | APC. 508 | 50 | 3.9 | 1.40 |
| 40 H 2854 | APC. 758 | 75 | 4.6 | 1.50 |
| 40 H 2855 | APC-100B | 100 | 5.5 | 1.70 |
| 40 H 2856 | APC-1408 | 140 | 6.7 | 1.90 |



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 adjust. Nom. air gap 00135". Size $\mathbf{K}_{22}$ Wx'3/4"H. Shpg. wt., 4 oz.

Serles MAPC (Screwdriver Slot)

| Stock No. | WHrs. Type | Max. Mmf. | Min. Mmf. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 H 2863 | MAPC-15 | 15 | 2.3 | 1.00 |
| 40 H 2864 | MAPC-25 | 25 | 2.6 | 1.05 |
| 40 H 2865 | MAPC-35 | 35 | 2.9 | 1.10 |
| 40 H 2866 | MAPC-50 | 50 | 3.2 | 1.15 |
| 40 H 2867 | MAPC. 75 | 75 | 3.9 | 1.20 |
| 40 H 2868 | MAPC. 100 | 100 | 4.5 | 1.30 |
| Series MAPC-B ( $1 / 2^{\prime \prime}$ Shaft) |  |  |  |  |
| 40 H 2869 | MAPC. 158 | 15 | 2.3 | 1.00 |
| 40 H 2870 | MAPC-25B | 25 | 2.6 | 1.05 |
| 40 LC 2871 | MAPC-35B | 35 | 2.9 | 1.10 |
| 40 H 2872 | MAPC. 508 | 50 | 3.2 | 1.15 |
| 40 H 2873 | MAPC-758 | 75 | 3.9 | 1.20 |
| 40 H 2874 | MAPC-100B | 100 | 4.5 | 1.30 |

# Dials - Knobs 



VERNIER LOGGING DIALS

Precision planetary drive vernier dials with approximately 7 to 1 ratio. Ideal for test equipment, calibration instruments, amateur equipment, etc. $1 / 4^{\prime \prime}$ diam. shaft extending from rear may be easily coupled to another drive shaft. Type $A$ has framed wire hair line, type 8 has pointer. All with 1 log scale and blank scales. Fluted knob. Imported.

| STOCK NO. | FIG. | $\begin{aligned} & \text { SCALE } \\ & \text { WIDTH } \end{aligned}$ | $\begin{aligned} & \text { LOG } \\ & \text { SCALE } \end{aligned}$ | BLANK SCALES | $\begin{gathered} \text { SIVE } \\ \text { OVERALL } \end{gathered}$ | $\begin{aligned} & \text { SNP. } \\ & \text { WT. } \end{aligned}$ | $\begin{aligned} & \text { NET } \\ & \text { EACH } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 H 2566 | B | 41/4" | 0.180 | 5 | $5 \times 3 \times 11 / 2$ | 1302. | 2.59 |
| 99 H 2567 | A | 6 "' | D-200 | 6 | $67 / 8 \times 41 / 2 \times 2$ | 1 lb . | 2.99 |
| 99 H 2568 | A | 714" | 0-200 | 6 | $81 / 2 \times 53 / 6 \times 21 / 4$ | 172 lbs. | 3.95 |



Precision planelary 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. Metal dials are brushed silver finish with deeply etched and black filled engraving to provide maximum legibility even under poor lighting conditions. Reads counter-clockwise 0 to 100 in $180^{\circ}$. Uses lough scratch resistant fluted molded knob and housing for sure grip. Phosphor bronze and brass utllized for internal parts. Imported. Shpg. wt., $802 s$.
99 H 6031 Fig. E 36MM ( $11 / 2^{\circ \prime}$ ) Diameter Vernier Dial, $1 / 1 /{ }^{4}$ " from front to back 99 H 6030 Fig. D 50MM (2") Diameter Vernier Dial, $1^{\prime \prime}$ from front to back

Net .89 99 H 5029 Fig. C 70MM ( $27 / \mathbf{a}^{\prime \prime}$ ) Diameter Vernier Dial, $1^{1 / 8 "}$ from front to back

Net .99
NATIONAL BALL REDUCTION DRIVE FOR PRECISE TUNING

## MATCHED KNOB KITS

- Molded From Hi-Impact Plastic
- Brass Screw and Shaft Insert
- Accepts Up To $1 / 4^{\prime \prime}$ Round or Flat Shaft


KIT OF 5
69c
Trim distinctive, functionally styled knobs Finished in an attractive steel gray and molded from tough hl-impact plastic, the knob is of cylinder design with sure-grip fluted sides and an aluminum ring-set in a recessed lace. Rugged brass screw and mounting shaft insert will accept up to $1 / a^{\circ \prime}$ round or flat shaft. Each kit contains 5 knobs-all same size. Imported. Shpg. wt., 7025.
$17 / \mathrm{B}^{\prime \prime}$ Dlam., 7/8" Deep Kit of 5
99 H $6114 . \quad .16^{\prime \prime}$ Deep Kit of 5
Net .79
Net 79
1" Diam., 11/16" Deep Kit of 5
99 H 6116
Net 69
NATIONAL KNOBS
Molded of high quality plastic. All have $17 /{ }^{\prime \prime}$ diam. chrome plated bevel skirts. Fit $1 / 4^{\prime \prime}$ shaft. Available in black or gray. Av. shpg. wt., 4 ozs. Specify color.

Net Each
Rota. 1. 100
Stock No. Nat. No. Marking tion 99199

| 32 H $5132 C$ | HRS- 3 | $0-10$ | $300^{\circ}$ | .66 |
| :--- | :--- | :--- | :--- | :--- |
| 32 H $5133 C$ | HRS-4 Single Line | - | .66 |  |
| 32 H $5134 C$ HRS $50-10$ | $180^{\circ}$ | .66 |  |  |

32 H 5134 C HRS-5 $0-10$


## NATIONAL VERNIER DIALS

All have 3 blank scales and one $0-100$ logging scale, $5: 1$ drive ratio, clear-view plastic windows, clear plastic pointers with centered hairlines and holes for calibrating each scale. Black wrinkle escutcheons. All fit $1 / a^{\sim}$ shaft. Complete with instructions and hardware. Mechanism extends $1 / 4^{\prime \prime}$ below rear of frame. Av. shpg. wt., 13 ozs.


## STANDARD PLASTIC KNOBS

Plastic knods with knuried bodies for general application. All have molded hole with set screw for mounting $1 / 4^{\prime \prime}$ round or flatted shafts except $t$ has white Indicator lines, $\$$ has gold indicator line. Av. shpg. wt. 4 ozs.

Net Each
25. 100 -

Stock No. Fig. Diam. Color
1.2499499

| 32 H 2417 | M | $1 "$ | Brown | . 14 | . 11 | . 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 2418 | M | $1^{\prime \prime}$ | Black | . 13 | . 10 | 9 |
| $32 \mathrm{H} 2420+$ | P | 11/2" | Black | . 14 | . 12 | . 11 |
| 32 H $2421+$ | P | 3\%,3\% | Black | . 13 | . 10 | . 09 |
| 32 H 2422 | N | 1'40" | Maroon | . 10 | . 08 | . |

## E. F. Johnson Insulators - Builders Specialties

THRU PANEL AND STAND OFF INSULATORS


THRU PANEL INSULATORS. Available in steatite or porcelain types. Compression mounted by means of a stud. Flat mounting surfaces with cushion washer. Hardware: ${ }^{*} 10-32, \dagger 1 / 4 "-20, \ddagger 6-32$. Average shog. wt., 10 oz .

|  | Mfrs. Type |  | Top | PNL |  | t Each | 100 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | 135 | Fix. | Ht. | Hole | 1.42 | 50.99 | 499 |
| 33 H 3201 | 40 | A* | 14/" | 36" | . 48 | . 44 | . 40 |
| 33 H 3203 | 42 | A* | 7/8" | $1 \%_{2}$ | . 44 | 41 | . 37 |
| 33 H 3205 | 44 | A $\ddagger$ | 59" | 矢" | . 33 | . 30 | . 28 |
| PORCELAIN |  |  |  |  |  |  |  |
| 33 H 3206 | 45 | B* | 13* | 12" | . 62 | . 57 | . 52 |
| 33 H 3209 | 47 | A ${ }^{+}$ | $41 / 2^{\prime \prime}$ | M/32 | 2.75 | 2.53 | 2.30 |
| 33 H 3210 | 48 | $\mathrm{B}^{*}$ | $2^{\prime \prime}$ | $11^{32}{ }^{\prime \prime}$ | 1.00 | . 92 | . 84 |

STANO OFF INSULATORS. Ideal for Transmitter Applications. Features low leakage. Iow cap. STEATITE-These insulators have relatively large mounting surfaces. PORCELAIN-Type 60 and 62 are ribbed and feature square mounting bases with four mounting holes. Type 65, 65-2, 68 are ribbed and have drain and etched aluminum bases. Type 66 and 67 have smooth surfaces and drawn bases $t$-hardware banana jack and a solder lug mounted on top of the insulator * sim. Har to fig. $\varepsilon$, but with square base. Avg. wt., I Ib


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 $50 \mathrm{y} \mathbf{4 m}^{\prime \prime}$. Type 52 1 $1 \mathrm{~m}^{\prime \prime}$ Type $5431 / 2^{\prime \prime}$, and Type $553 / 4^{\prime \prime}$. Avg. shpg. wt., 802 .

| Stock No. | Mfrs. Type |  | Top | PNL | Net Each |  | 100 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 135. | Fin. | Ht. | Hole | 1.49 | 50.99 | 499 |
| 33 H 3231 | 50 | M | 1/2" | $13 / n^{\text {N }}$ | . 40 | . 31 | . 33 |
| 33 H 3233 | 52 | M | 146" | $13_{2}{ }^{\prime \prime}$ | . 89 | . 82 | . 75 |
| 33 H 3235 | 54 | 1 | 4" | 21\%" | 1.30 | 1.19 | 1.10 |
| 33 H 3236 | 55 | 1 | 1/4" | 1\%920 | . 33 | . 30 | . 28 |

E—B ANTENNA STRAIN INSULATORS
Porcelain type glazed to prevent molsture and absorption. Superion quallity-heavily glazed surfaces and heavy nickel-plated brass hardware. Type 107 and 112 are wet process, $1^{\prime \prime}$ diameter; type 104 is dry process. s, " square with 400 lbs. breaking strength.

| Stock No. | Mirs. Type 136- | Size | Shpg. Wt. | Net Each |  | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 3237 | 104 | $4 x^{5 / 81}$ sq. | 402. | . 30 | 28 | 26 |
| 33 H 3238 | 107 | $7 \times 1$ " sq. | 10 oz . | 1.35 | 1.19 | 1.13 |
| 33 H 3239 | 112 | 12x1" dia. | $11 / 4 \mathrm{lb}$. | 1.95 | 1.79 | 1.64 |

## STEATITE CONE INSULATORS

Ideal for mounting coils, capacitors, etc. Insulators are furnished complete with 2 machine screws, washers, and a cork cushion washer. Av. shpg. wt., 2 oz.

| Mfrs. Type |  |  |  | Net Each |  | 100 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stoch No. | 135. | Ht. | Width | 1-49 | 50.99 | 499 |
| 33 H 3212 | 500 | +4" | $5{ }^{50}$ | . 23 | . 21 | . 19 |
| 33 H 3213 | 501 | $1 "$ | $74^{\prime \prime}$ | . 34 | . 31 | . 29 |
| 33 H 3214 | 502 | $11 / 2^{\prime \prime}$ | $1^{\prime \prime}$ | . 54 | . 50 | . 46 |

## FEEDER SPREADERS

Conventional feeder spreaders for high efficiency open-wire antenna feeders and transmission lines; silicone Impregnated for molsture resistance, $3 / \mathbf{a}^{\prime \prime} \times 1 / 2$ " cross section. Avg. shpg wt., 302.

| Slock No. | Mirs. Type | Length | 1-49 | $\begin{gathered} \text { Net Each } \\ 50.99 \end{gathered}$ | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 3240 | 136.122 | 2" | . 18 | . 17 | .15 |
| 33 H 3241 | $136-124$ | 4" | . 28 | . 26 |  |
| 33 H 3242 | 136.126 | $6^{\prime \prime}$ | . 45 | . 42 |  |

## POLYSTYRENE CEMENT AND COIL DOPE

## ANTENNA STRAIN INSULATORS

## COMPRESSION TYPE STRAIN INSULATORS

Used as end insulators in long wire, dipole, doublet and " $V$ " type antennas. Sturdily constructed of brown glazed porcelain. Shpg. wt., 2 oz. 32 H 3008


Johnson Type 136-32 specially designed for Aircraft and Guy wire applications. Overall length $11 / 2^{\prime \prime}$. Dry glazed porcelain. Shpg. wt. 201. 33 H 3245

Net ea. . 16

Pure polystyrene dissolved in thin. ner. for coating, doping. sealing colls, and for cementing polystyrene to polystyrene. 2 az. bottle. Shop. wt., 4 oz.
13 H 6003 .............................. THINNER FOR MBOVE, 2 oz. Net .52
13 H G004

## PLASTIC CASES for MINIATURE ELECTRONIC GEAR



Clean. polystyrene cases. Ideal for miniature
assemblies. All have ball type hinged covers
Clean. polystyrene cases. Ideal for miniature
assemblies. All have ball type hinged covers except *. which have removable covers. Avg. shpg. wt., $60 z$.

| Stoch No. | Size LXW $\mathrm{KH*}^{\text {+ }}$ | Net |
| :---: | :---: | :---: |
| 13 H 3801 | 15/8) $\mathbf{1}_{1 / 8 \times 1 \text { " }}$ | 09 |
| 13 H 3802 | 2\%6x1\%㕲" | . 12 |
| 13 H 3803 | 27\%2x1" | . 15 |
| 13 H 3804 | 3518427* ${ }^{\prime \prime}$ | . 18 |
| 13 H 3805* | $43 / 8 \times 2 \% x^{2 / 8 \%}$ | 20 |
| 14 H 4001 | $74 / 2 \times 5 \times 142^{\prime \prime}$ | 89 |
| 14 H 6606 | $47 / 4 \times 25 / 8 \times 1^{\prime \prime}$ | 30 |
| 14 H 4401* |  | . 32 |
| 14 H 4402* | 5×51/4×1\%" | 35 |
| 14 H 4403* | $5 \% \times 3 \times 176$ | . 28 |
| 14 H 4002 | 37/0x $31 / 8 \times 11 / 80$ | . 18 |

12" POLYSTYRENE ROOS

| Stock No. | $\begin{aligned} & \text { Size } \\ & \text { Lolam. } \end{aligned}$ | Shpg. Wt. | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{gathered} \text { Each } \\ 10-49 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 13 H 5111 | 12"x4/3" | 202. | . 03 | 02 |
| 13 H 5112 | 12"xk" | 302. | . 07 | . 06 |
| 13 H 5113 | $12^{\prime \prime} \times 1 / 4^{\prime \prime}$ | 5 oz. | . 12 | . 11 |
| 13 H 5114 | 12"x\%" | 602. | . 18 | . 16 |
| 13 H 5115 | $12^{\circ} \times 3 \%^{\prime \prime}$ | 602. | . 25 | . 22 |
| 13 H 5116 | $12^{\prime \prime} \times 1 / 2{ }^{\prime \prime}$ | 602. | . 47 | . 42 |
| 13 H 5117 | 12"x56" | 802. | . 71 | . 64 |
| 13 H 5118 | 12"x ${ }^{\prime \prime}{ }^{\prime \prime}$ | 8 oz . | . 98 | . 88 |
| 13 H 5119 | 12"x\%" | 802. | 1.39 | 1.25 |
| 13 H 5120 | $12^{\prime \prime} \times 1^{\circ}$ | 8 oz . | 1.86 | 1.67 |

## 12" POLYSTYRENE TUBES

| Stock No. | 00. | 1.0. | Shpt Wt. | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \overline{E x h} \\ & 10-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 5121 | 4/4' | $1 / 80$ | 202. | . 10 | . 09 |
| 13 H 5122 | Ko" | K0" | 302. | . 14 | . 13 |
| 13 H 5123 | 3/6" | $1 / 4{ }^{\prime \prime}$ | 302. | . 18 | . 16 |
| 13 H 5124 | v2" | \#/" | 302. | . 25 | . 22 |
| 13 H 5125 | +8" | $1 / 2{ }^{\prime \prime}$ | 402. | . 31 | . 28 |
| 13 H 5126 | $3 / 4^{\prime \prime}$ | 5\%" | 502. | . 39 | . 35 |
| 13 H 5127 | $1 "$ | 7/ | 602. | . 55 | . 49 |

# Relays - Counters - Knobs 

 weighs only $1 / 2$ oz.t Double-pole double-throw, with silver and sil. ver-gold-platinum alloy contacts. Contacts handle up to 100 volts at
 300 ma . ( 30 watts). Coll measures 5300 ohms dc resistance-rated at 4.1 ma , dc. pull-in current, 0.95 ma de. drop-out. Enclosed in transparent plastic dust cover; Operating time 2.8 millisecs; release time about 1.5 msecs. Breakdown voltage ratings: coll to frame, 500 V .; contacts to frame 350 V . Meas. ures $11 / 4 \times 1 / 9 \times 7 / 0^{\prime \prime}$. Ideal for model control, photocell relay, carrier-current control and dozens of other miniature applications. 1 m . ported. Shpg. wt., $40 z$.
OPOT Minlature OC Relay
99 H 6093
Net 2,95 As above, but 4 -pole double throw; pull-in current 6.3 ma . dc.; drop-out 3.3 ma . dc. Weighs $2 / 302.3 / 4 \times 11 / 2 \times 11 / 40^{\prime \prime}$. Shpg. wt., 402. 4P-0T Miniature Relay 99 H 6094

Net 3.25

## 5-CHANNEL RESONANT REED hobBy relay



## 795

TUNED TO $266.0 \mathrm{cps}, 280.8 \mathrm{cps}$ $313.0 \mathrm{cps}, 349.0 \mathrm{cps} \& 389.0 \mathrm{cps}$
Frequency tolerance $\pm 1 \%$. Especlally adaptable to 5 channel remote control hobby tone recelvers and Cltizens Band tone signalling recelvers. May also be used as high stabillity, resonant reed oscillator control. Features low tuning error, good temperature stablity, low driving requirements. SPECIFICATIONS: (at $25^{\circ} \mathrm{C}$ ): Frequency stablity: $\pm .0025 \%$ per degree $C$ over the range of -40 to $+85^{\circ} \mathrm{C}$. Coil resistance: 600 Ohms OC $\pm$ $10 \%$; Threshold Sensitivity: 1.0 V ims to 2.0 $\checkmark$ mos at resonant frequency; Operating level: 6.0 V rms. Design frequencies: (cps) $\pm$ $1.0 \%$, REEDS: $A=266.0, B=280.8, C=313.0$, $0=349.0, E=389.0$. Constant rating 100 ma peak at 48 vdc (resistance load, contacts $(+)$ In relation to reeds). Weight 2.5 oz . Mounts with $2-6 / 32^{\prime \prime}$ tapped holes on bach. Size: 1 K $\times 13 / 4 \times 114^{\text {m }}$. Shpg. wt, 8 oz . 42 H 6101

## FLUTED KNOBS



Black fluted knobs, with and without skirt. Made of thermosetting plastic with high gloss finish. All have recessed brass insert and set screw. Mount on $1 / 4^{* \prime}$ round or flatted shaft. Shpg. wt., 4025. $\qquad$ Net Each

| Stock No. | Fig. | Diam. | . |  | 99 | $99$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 N 2406 | A | 11/8" | 5\%" | 23 | . 20 | . 17 |
| 32 H 2407 | A | 178" | 130" | . 24 | 21 | . 18 |
| 32 H 2408 | A | 15" | 3/4 | . 27 | . 24 | . 20 |
| 32 H 2409 | 8 | 11/2" | 1\%0" | . 40 | . 35 | 30 |
| 32 H 2410 | B | 2Y:" | ${ }^{1 / 2}$ | . 50 | . 44 | 39 |



## LAFAYETTE missem METER RELAY

- Meter Movement
- Closes Circuit at 2 Miles
Extremely sensitive meter type relay. Norm ally open. Ideally suited for uses with model railroad, photoelectric relay circuit, babytenders, remote control toys, remote control boats, fire alarm, and many other practical applications. Precision-built meter mavement provides virtually friction-free movement. Contact will close at 2 milliamps. Internal resistance 100 ohms. Meter movement rated 5 ma confinuous, 10 ma momentary contacts rated 500 ma continuous, momentary 1 amp at 3 v and 250 ma at $6 . \mathrm{v}$ with resistive load. Sensitivity: 2.5-. 6 mw . Internally adjustable. Relay is enclosed entirely and transparent cover permits observation. Solder pins are placed externally for easy connections. SPST. Size: $11 / 4 \times 15 / 4 \times 13 / 4^{\prime \prime}$. Imported. Shpg. wt., 8 ozs.
99 H 6199
Net 3.95
5-DIGIT STROKE-ACTUATED RESET COUNTER

- Registers up to 99,999 - For Machine Mounting - Complete with Arm and Spring Easy-to-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. Overall size: $21 / 2 \times 11 / 2 \times 133^{\prime \prime}$. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 H 9028
HAND TALLY REGISTER


Registers 0 to 9999. Highly polished chromfum plated brass case. Attached finger-ring and compact shape for comfort in holding. Plunger operated for smooth, easy action. Large, clearly read numerals. Knurled reset knob sets register to zero in one turn. precision accuracy for lab. school and industrial users. Invaluable for inventory control - gate checking - traffic, etc. Small Size, approximately $1 \mathrm{~K}_{4} \times 13 /{ }^{2}$ ". Dermits concealed operation. Imported. Shpg. wt., $1 / 2 / 10$. 99 H 9030

Net 2.29

## MINIATURE KNOBS

Plastic knob, only S/6" diameter fits $1 / \mathbf{a}^{\prime \prime}$ shafts, for miniature components such as Ferri-loopstick. sub-miniature pots, efc Avg. shpg. wt., $40 z$.
32 H 2405 Brown ........... Net . 09 32 н 2401 Ivary ............ Net . 11

## LITTLE "JEWEL" REMOTE CONTROL RELAY



- The Mighty Mite of the R/C Field
- Weighs less than $1 / 202$.!
- Size: $3 / 4 \mathrm{Hx}^{11 / 22} \mathrm{H}^{1} \times 11 /{ }_{6}{ }^{\prime \prime}$ L

A natural for remote control receivers, it is highly sensltive, and built to withstand severe crashes. The smallest commercial iob available, it weighs less than $1 / 202$. 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 recelvers. 5,000 ohm coil. Imported
99 H 6091
Net 1.95

## 6-DIGIT ELECTRIC COUNTER



May be actuated by any switch, relay, etc. Operates in any position. White figures on a black background read up to 999,999 . Built-In selenium rectifier. $D C$ operated solenold, chrome-plated. $6^{\circ \prime \prime}$ leads, $110 \mathrm{~V}, \mathrm{AC}, 50 / 60$ Cycles. Size: $21 / 2 \times 2 \times 13 / 4^{\prime \prime}$. Removable front plate: 35/5x $\mathbf{2 " A}^{\prime \prime}$. Imported. Shpg. wt., $11 / 2$ lbs. 99 H 9011

## MULTI-COUNTER 5-POSITION TALLY REGISTER

- Five 3-Digit Hand Tally Registers In Dne Case Counts 0.999


## $9^{50}$

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-to-read numerals. Large knuried reset knob on side returns all 5 positions to zero simultaneous 1y. Overall size: $5 \mathrm{~V} / 4 \mathrm{~W} \times 17 / 2 H \times 1 / 10^{\prime \prime} \mathrm{D}$. Im. ported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 H 9031

# Potter And Brumfield Relays 

POWER TYPE RELAYS
MR SERIES - Medium duty general-purpose relays for small motors, transmitters, etc. 3/3" silver contacts rated 8 amps. except rated 10 amps. AC colls draw 3.25VA; DC 1.6 Watts. Mounting: two $\$ s_{2}{ }^{\prime \prime}$ dia, holes on $21 / 4^{\prime \prime}$ centers for MR $3 \& 11$, $25 \mathrm{a}^{\prime \prime}$ centers for MR 5 \& 14. Size: SP types -
 $-212 x_{0} \times 2^{\prime \prime} y_{2}^{\prime \prime}$. Shpg. wt. 8 oz.

| Stock No. | Type | $\begin{aligned} & \text { Coll } \\ & \text { volts } \end{aligned}$ | Arrangement | Net Each |  |  | $\begin{array}{r} 100 \\ 249 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.24 | 25-50 | 51.99 |  |
| 30 Hz 801 | MR3A | 6 VAC | SPST* | 4.10 | 3.90 | 3.69 | 2.87 |
| 30 H 8502 | MR3A | 24 VAC | SPST. | 4.10 | 3.90 | 3.69 | 2.87 |
| 30 H 8503 | MR3A | 120 VAC | SPST* | 4.10 | 3.90 | 3.69 | 2.87 |
| 30 H 8504 | MR3D | 6VDC | SPST* | 3.70 | 3.52 | 3.13 | 2.59 |
| 30 H 8505 | MR3D | 12 VDC | SPST' | 3.70 | 3.52 | 3.33 | 2.59 |
| 30 H 8506 | MR3D | 24 VDC | SPST* | 3.70 | 3.52 | 3.33 | 2.59 |
| 30 H8507 | MR5A | 6 VAC | SPDT | 3.65 | 3.47 | 3.29 | 2.56 |
| 30 H 8508 | MR5A | 12 VAC | SPDT | 3.65 | 3.47 | 3.29 | 2.56 |
| 30 H 8837 | MR5A | 24 VAC | SPDT | 3.65 | 3.47 | 3.29 | 2.56 |
| 30 H 8509 | MR5A | 120 VAC | SPDT | 3.65 | 3.47 | 3.29 | 2.56 |
| 30 H 8510 | MR5A | 240VAC | SPDT | 4.10 | 3.90 | 3.69 | 2.87 |
| 30 H 8511 | MR5D | 6VDC | SPOT | 3.40 | 3.23 | 3.06 | 2.38 |
| 30 H 8512 | MR50 | 12VDC | SPDT | 3.40 | 3.23 | 3.06 | 2.38 |
| 30 H 8513 | MR50 | 24VDC | SPDT | 3.40 | 3.23 | 3.06 | 2.38 |
| 30 Mr 814 | MRIIA | 6 VAC | DPOT | 5.15 | 4.89 | 4.64 | 3.61 |
| 30 H 8515 | MRIIA | 24 VAC | OPDT | 5.15 | 4.89 | 4.64 | 3.61 |
| 30 H 8516 | MRIIA | 120 VAC | DPDT | 5.15 | 4.89 | 4.64 | 3.61 |
| 30 H 8511 | MRIIA | 240 VAC | DPDT | 5.55 | 5.27 | 5.00 | 3.89 |
| 30 H 8518 | MRIID | 6VDC | DPDT | 4.90 | 4.67 | 4.41 | 3.43 |
| $30 \mathrm{Hz519}$ | MRIID | 12VDC | DPDT | 4.90 | 4.67 | 4.41 | 3.43 |
| 30 H 8520 | MRIID | 24VDC | OPOT | 4.90 | 4.67 | 4.41 | 3.43 |
| 30 H 8521 | MR14A | 6VAC | $3 P D T$ | 6.15 | 5.84 | 5.54 | 4.31 |
| 30 H 8522 | MR14A | 24VAC | 3 3PD | 6.15 | 5.84 | 5.54 | 4.31 |
| 30 H 8523 | MRI4A | 120 VAC | 3 PDT | 6.15 | 5.84 | 5.54 | 4.31 |
| 30 H 8524 | MRIAA | 240VAC | 3PDT | 6.55 | 6.22 | 5.90 | 4.59 |
| 30 M 8525 | MR14D | 6 VDC | 3 3PDT | 5.80 | 5.51 | 5.22 | 4.06 |
| 30 H 8526 | MR14D | 12 VDC | 3PDT | 5.80 | 5.51 | 5.22 | 4.06 |
| 30 M 8527 | MR140 | 24VDC | 3PDT | 5.80 | 5.51 | 5.22 | 4.06 |

OUST CDVER FOR MR RELAYS Approx. size: $31 / 2 \times 21 / 2 \times 21 / 2$ 30 H 8565 Shpg. wt. . 1 th.

Net ea. 2.10
PM PDWER RELAYS - HEAVY DUTY APDT
TYPE PM17AY. Silver-cad contacts 25 amps, 120V; 25 amps at 240 V . 50,60 cycle res. AC. 1 HP per arm 120 V
 and CSA listed.

| Stock Mo. | Type | $\begin{aligned} & \text { Cell } \\ & \text { volts } \end{aligned}$ | Arrangement | 1-24 | $\begin{gathered} \text { Met Ex } \\ 25-50 \\ \hline \end{gathered}$ | $51.99$ | $\begin{array}{r} 100 \\ 290 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8548 | PMITAY | 6VAC | 4 PDT | 12.95 | 12.30 | 11.66 | 9.07 |
| 30 M 8549 | PM17AY | 12VAC | 4POT | 12.95 | 12.30 | 11.66 | 0.07 |
| 30 н 8550 | PM17AY | 2 VVAC | 4PDT | 12.95 | 12.30 | 11.65 | 9.07 |
| 30 H | PM17AY | 120VAC | 4 POT | 12.95 | 12.30 | 11.66 | 8.07 |
| 30 H 8552 | PM17AY | 240VaC | 4 APT | 13.40 | 12.73 | 12.06 | 9.38 |

OUST COVER FOR PM RELAYS 3 ' $\mathrm{Ke}_{\mathrm{e}} \mathrm{W} \times{ }^{1} \mathrm{~K}_{\mathrm{t}} \mathrm{H}_{2} 5 \mathrm{~K}_{6}^{\prime \prime} \mathrm{L}$.
30 H 8553 P\& 8 No. 350227 Shpg. Wi.. 6 02. .... Net 3.30

## INDUSTRIAL CDNTROL RELAYS

KUPS5 SERIES-Reliable 10 ampere relay comes in a slotted flange case for direct to chassis mounting. Enclosed in clear, high impact plastic dust cover. 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: $11 / 2 \mathrm{x}$ $11 / 2 \times 2^{\circ}$ Flange mounts on $21_{2}^{\prime \prime}$ centers. Shpg. wt.,

| Stock No. | Type | Coil Volts | Arrange. ment | 1.24 | $\begin{aligned} & \text { Net Each } \\ & 25.50 \quad 51.89 \end{aligned}$ |  | $\begin{aligned} & 100 \\ & 245 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 M 8876 | KUP | 6VAC | 3PDT | 5.05 | 4.80 | 4.54 | 3.54 |
| 30 H 8877 | KUP14A55 | 12VAC | 3PDT | 5.05 | 4.80 | 4.54 | 3.54 |
| 30 H 8878 | KUP14A55 | 24VAC | 3PDT | 5.05 | 4.80 | 4.54 | 3.54 |
| 30 H 8879 | KUP14A55 | 120 VAC | 3POT | 5.05 | 4.80 | 4.54 | 3.54 |
| 30 H 8880 | KUP14A55 | 240 VAC | 3 PDT | 5.45 | 5.18 | 4.90 | 3.82 |
| $30 \mathrm{Hz88t}$ | UP14055 | 6VDC | 3PDT | 4.65 | 4.42 | 4.18 | 3.26 |
| $30 \mathrm{He882}$ | KUP14055 | 12VDC | 3POT | 4.65 | 4.42 | 4.18 | 3.26 |
| 30 H8883 | KUP14055 | 24VDC | 3 POT | 4.65 | 4.42 | 4.16 | 3.26 |
| 30 N | KUP14055 | 10VDC | 3PDT | 5.05 | 4.80 | 4.54 | 3.54 |



NEW MICROMINIATURE RELAYS
HP SERIES-Recommended for high performarre in a minimal space. for printed circuit board or socket mounting. Encased in high impact Dust cover. Overall size less than $1 \times 1 / 2 \times 1 / 2^{\prime \prime}$. OPOT contacts rated at 2 amps. Nominal coil power . 622 watts. Approximate wt., 26 oz.

| Stock Mo. Type Voltare Resistance | 1.24 | $25-50$ | 51.99 | 100 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllll}30 \mathrm{H} 8974 & \text { HP1 } 1 \mathrm{D} & \text { 12VDC } & 218!? & 9.95 & 9.45 & 8.96 \\ 30 \mathrm{H} 8875 & \mathbf{H P l} & 67\end{array}$ $\begin{array}{llllllll}30 \mathrm{H} 8875 & \text { HP1 } 10 & 24 V O C & 870 \text { ? } & 9.95 & 9.45 & 8.96 & 6.97\end{array}$

# Potter And 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 4 P.D.T. Contacts rated at 5 amps. Pick-up not adjustable. MIg.: No. 8.32 tapped core and locating boss. Contacts $K_{0} "$ dia, silver. Size: $14 Y_{2} \times 1 K_{0} \times 21 Y_{2}{ }^{\prime \prime}$ Shpg. Wt., 602.

| Stock N | Type | Coll Ohms | Arange ment | $\begin{aligned} & \text { Coil } \\ & \mathrm{Ma.} \end{aligned}$ | Net Each |  |  | $\begin{aligned} & 100 . \\ & 249 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8566 | GB5D | 2500 | S | 6.8 | 3.60 | 3.42 | 3.24 | 2 |
| 30 H 8567 | GB5D | 5000 | SPDT | 4.8 | 3.80 | 3.61 | 3.42 | 2.65 |
| 30 H 8568 | GB5D | 10000 | SPDT | 3.4 | 4.30 | 4.09 | 3.87 | 3.01 |
| 30 H 8569 | GB110 | 2500 | DPDT | 3.4 | 5.10 | 4.85 | 4.59 | 3.57 |
| 30 H 8570 | GB11D | 5000 | DPDT | 5 | 5.20 | 4.94 | 4.68 | 3.64 |
| 30 <br> 30 <br> 30 | G8110 | 10000 | DPDT | 3.53 | 5.80 | 5.51 | 5.22 | 4.06 |
| 30 H 8573 | G8170 | 2500 | 4 PDT | 10.5 | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 H 8574 | G8170 G8170 | 5000 | T | 7.4 | 6.25 | 5.94 | 5.63 | 4.38 |
| Nas) | GB | 10000 | 4PDT | 5.25 | 6.70 | 6.37 | 6.03 |  |

LM SERIES. High quality plate circuit relays with sensitivity of 100 mw . for single pole. (SP) 200 mv for DP. Adjustable pick-up. Silver contacts rated at 5 amps. $120 \mathrm{~V}, 60 \mathrm{cps}$. Action: LM5's are SPDT: LMIl's, DPDT, MIg.: 2.No. 6 -32 tapped holes on 1'K"" centers. Slze: $2 \%_{4} \times 21_{4} \times 2 \%_{6}^{\prime \prime}$. Shpg. wt., 9 or.


| Stoch No. Type | $\begin{aligned} & \text { Coil } \\ & \text { Ohms } \end{aligned}$ | Arrange. ment | $\begin{aligned} & \text { Coll } \\ & \text { Ma. } \\ & \hline \end{aligned}$ | Net Each |  |  | $\begin{array}{r} 100 . \\ 249 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8507 LM5 | 2500 | SPDT | 6.3 | 4.15 | 3.94 | 3.74 | 2.91 |
| 30 H 8588 LM5 | 5000 | SPDT | 4.5 | 4.35 | 4.13 | 3.92 | 3.05 |
| 30 H 8589 LM5 | 10000 | SPDT | 3.2 | 4.65 | 4.42 | 4.19 | 3.26 |
| 30 H 8590 LM1] | 2500 | DPDT | 9.0 | 5.90 | 5.61 | . 31 | 4.13 |
| 30 H 8591 LM11 | 5000 | DPDT | 6.3 | 6.10 | 5.80 | 5.49 | 4.27 |
| 30 H 8592 LM11 | 10000 | DPDT | 4.5 | 6.70 | 6.37 | 6.03 | 4.69 |

SM SERIES. Midget, sensitive. hermetically sealed relays. for computers, model airplanes and similar uses. SPDT silver.rhodium contacts rated at $1 / 4$ amp. non-inductive, Extremely long life. Mig.: std. 7.pin miniature tube socket. Size: $1 / 4$ diax $111 \%$ ". "Currentactuated, plate circuit type. Avg. shpg. wt.. 3 oz.

| Stock No. Type | Collv. <br> or Ma. | Arrangement | Coll Ohms | $\begin{aligned} & 1.24 \\ & \text { each } \\ & \hline \end{aligned}$ | $\begin{aligned} & 25.50 \\ & \text { each } \end{aligned}$ | $\begin{aligned} & 51-99 \\ & \text { each } \end{aligned}$ | $\begin{aligned} & 100 . \\ & 249 \\ & \text { each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8603 SMSDS | 6VDC | SPDT | 80 | 6.90 | 6.56 | 6.21 | 4.83 |
| 30 H 8604 -SM50S | 24VDC | SPDT | 900 | 6.90 | 8.56 | 6.21 | 4.83 |
| 30 H 8605 SM5LS | 3.9 MA | SPDT | 5000 | 7.20 | 6.44 | 6.48 | 5.04 |
| 30 H 8606 SMSLS | 2.7 MA * | SPDT | 10000 | 7.70 | 7.32 | 6.93 | 5.39 |

TYPE $\$ 550$. Ultra sensitive precision 1 ma relays ideal for all low energy circuits such as instruments and brldge balancing. Dual serles coils with bal anced armature. Sensitivity. 10 mw . Coll ohms, 10.000. Silver contacts. Mig.: 2.No. 6-32 tapped
 wt. 802.

30 н 8607 | $1-24$ |
| :---: |
|  |
| $51-99$ |
|  |

14.50
13.05

25-50 ea.
$100-249 \mathrm{ea}$.

MG SERIES - Subminiature telephone type relay for alrcraft. computer, and other applications requiring good shock and vibration characteristics. Silver contacts rated at 2 amps . All are open. Mtg. 4 tap ped $3-48$ holes on $36 \times 3=$ centers. Sire: $1 K_{6} \times 11 / 4 x$ "Ke". Shpg. wt., 602.

| Stock No. | Type | $\begin{aligned} & \text { Coll } \\ & \text { Volts } \end{aligned}$ | Arrangement | $\begin{aligned} & 1.24 \\ & \text { each } \\ & \hline \end{aligned}$ | $\begin{array}{r} 25.50 \\ \text { each } \\ \hline \end{array}$ | $\begin{aligned} & 51-99 \\ & \text { each } \\ & \hline \end{aligned}$ | $100.249$ each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8608 | MG11D | 6VDC | DPDT | 5.45 | 5.18 | 4.91 | 3.82 |
| 30 H 8609 | MG11D | 12VDC | DPDT | 5.45 | 5.18 | 4.91 | 3.82 |
| 30 H 8610 | MG11D | 24 VDC | DPDT | 5.45 | 5.18 | 4.91 | 3.62 |
| 30 H 8611 | MG110 | 110 VDC | DPDT | 5.95 | 5.65 | 5.35 | 4.17 |
| 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 $3 / 4^{\prime \prime}$ centers. Contacts 4 amps. $11 / 10 \times 21 / 0 \times 11 / 0^{N}$. Shpg. wt., 602. |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Stock No. | Type | Arran | gement | Volts |  |  | 21.499 |
| $\begin{array}{llllll}30 \mathrm{H} 8634 & \text { LS17D } \\ \end{array}$ |  |  |  |  |  |  |  |
| 30 H 8636 | LS170 |  | PDT | 110 | 6. |  | 5.37 |
|  | LS230 |  | PDT | 24 | 7.2 |  | 6.09 |



PW SERIES. Precision lightweight hermeticaliy sealed DC relays for aircraft and missile use. Sen sitivity: 40 mw for current actuated units. 180 mw for voitage actuated units. Withstands 10 G vibration to 500 cps . SPDT silver contacts rated at 2 amps. Mtg.: std. 7 Din miniature tube socket. Size: $7 / 4$ dia. $x$ 1"Ks". "Plate circuit type. Avg. shpg. wt., 4 oz.

| Stock No. | Trpe | Coilv. or Ma. | Arrange ment | Coll Ohms | $\begin{aligned} & 1.24 \\ & \text { each } \end{aligned}$ | $\begin{aligned} & 25-50 \\ & \text { each } \end{aligned}$ | $\begin{aligned} & 51.99 \\ & \text { each } \end{aligned}$ | $\begin{array}{r} 100 . \\ 249 \\ \text { each } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8593 | PW5DS | 6 V | SPDT | 202 | 11.30 | 10.74 | 10.17 | 7.91 |
| 30 H 8594 | PWSOS | 12 V | SPDT | 810 | 11.30 | 10.74 | 10.17 | 7.91 |
| 30 H 8595 | PW5DS | 24 V | SPDT | 3240 | 11.30 | 10.74 | 10.17 | 7.91 |
| 30 H 8596 | PWSLS* | 2.8 MA | SPDT | 5000 | 11.65 | 11.07 | 10.49 | 8.16 |
| 30 H 8597 | PWSLS* | 2 MA | SPDT | 10000 | 12.10 | 11.50 | 10.89 | 8.47 |

TYPE LB5. Low cost, fast.acting units. Breakdown 500 V . rms. min. SPDT silver contacts rated at 5 amps. Mig. ${ }^{2}$ Two $x_{0}{ }^{\prime \prime}$ dia, holes on $21_{2}{ }^{\prime \prime}$ centers. Slize: $13 / 8 \times 14 / 4 \times 2^{n} / z^{2}$. For DC only. Shpg. Wt., 502.

| Stock No. Typ | Coll Ohms | Arrange. ment | Coll <br> Cuppent | $1.24$ | $25.50$ | 51.99 | $\begin{aligned} & 100 \\ & 249 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8584 LB5 | 250 | SPDT | 9 Ma | 2.70 | 2.57 | 2.43 | 9 |
| 30 H 8585 L65 | 5000 | SPDT | 6.3 M | 2.90 | . 76 | 2.61 | 2.0 |
| $30 \mathrm{H} 8586 \mathrm{LB5}$ | 0000 | SPDT | 4.5 | 3.15 | 2.99 | 2.84 |  |

TYPE RS50. Low cost. Lightweight, sensitive relays for radiosonde, light dimmer and model uses. 60 mw sensitivity. SPDT bar palladium contacts rated at 2 amps. Mtg.: Two $4-40$ holes on $3 / /^{\prime \prime} \times \$ 9^{\prime \prime}$ centers.


| Stock No. | Type | Collv. A or Ma. | Arrange ment | Ohms | $\begin{aligned} & 1.24 \\ & \text { each } \end{aligned}$ | $\begin{aligned} & 25-50 \\ & \text { each } \\ & \hline \end{aligned}$ | $\begin{aligned} & 51.99 \\ & \text { each } \end{aligned}$ | $\begin{array}{r} 100 . \\ 249 \\ \text { each } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8598 | RSSD | 6 V | SPDT | 335 | 2.75 | 2.61 | 2.48 | 1.93 |
| 30 H 8599 | RS5D | 5.0 MA | SPDT | 2500 | 3.00 | 2.85 | 2.70 | 2.10 |
| 30 H 8601 | RSSD | 3.5 MA | SPDT | 5000 | 3.30 | 3.14 | 2.97 | 2.31 |
| 30 H 8602 | RS5D | 2.5 MA | SPDT | 10000 | 3.80 | 3.61 | 3.42 | 2.66 |

KCP SERIES. Plate circuit relays, enclosed in polystyrene cases. Sensitivity 125 mw (single pole). Silver contacts rated at 2 amps. Mtg. std. octal plug-in type. 8 pin for all except KCP $14^{\prime} \mathrm{s}$ 11 pins. Sire: $\left.2 \times 1^{1 / 82} \times 1^{1 / 3}\right)^{\prime \prime}$. Shpg. wi., 502. Specify coll.

| Stock No. | Type | Coll <br> Ohms | Arranke. ment | Coil <br> Ma. | $1.24$ | $\begin{aligned} & \text { f Esch } \\ & 25-50 \end{aligned}$ | 51-99 | $\begin{aligned} & 100- \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8575 | KCP5 | 2500 | SPDT | 7.2 | 6.20 | 5.89 | 5.58 | 4 |
| 30 H 8576 | KCP5 | 5000 | SPDT | 5.0 | 6.30 | 5.99 | 5.67 | 4.41 |
| 30 H 8577 | KCP5 | 10000 | SPOT | 3.6 | 6.70 | 6.37 | 6.03 | 4.65 |
| 30 H 8578 | KCP11 | 2500 | DPDT | 10.0 | 6.60 | 6.27 | 5.94 | 4.62 |
| 30 H 8579 | KCP11 | 5000 | DPDT | 7.2 | 6.70 | 5.37 | 6.03 | 4.62 |
| 30 H 8500 | KCP11 | 10000 | DPDT | 5.0 | 7.15 | 6.79 | 6.44 | 5.00 |
| 30 H 8581 | KCP14 | 2500 | 3PDT | 12.3 | 8.15 | 7.74 | 7.34 | 5.71 |
| 30 H 8582 | KCP14 | 5000 | 3PDT | 8.7 | 8.25 | 7.84 | 7.43 | 5.78 |
| 30 H 8583 | KCP14 | 10000 | 3PDT | 6.1 | 8.65 | 8.22 | 7.79 | 5.06 |

Octal Socket for KCPS and KCP11. 1"\%" Mig. centers 32 H 1904
11 pin socket for KCP14. Requires $11 / \mathbf{m}^{\prime \prime}$ hote
32 H 1905 (1) Net .27
$\qquad$

## TELEPHONE TYPE RELAYS

TYPE MB30. Miniature DC contactors. Silver contacts rated at 60 amps; solder terminals. All are SPST. NO-DB. Mtg.: 4.No. $3-48$ holes on 3 . $4 \times 3{ }^{2}$ centers.


| Stock No. | Type | Coll <br> Volts | Arrangement | $\begin{aligned} & 1-24 \\ & \text { each } \end{aligned}$ | $\begin{gathered} 25+30 \\ \text { each } \end{gathered}$ | 51.99 each | $\begin{aligned} & 100 \cdot 249 \\ & \text { each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8627 | M83D | 6VDC | SPST | 5.65 | 5.37 | 5.00 | 3.96 |
| 30 H 8628 | M830 | 12VDC | SPST | 5.80 | 5.51 | 5.22 | 4.06 |
| 30 H 8629 | M830 | 24VDC | SPST | 5.80 | 5.51 | 5.22 | 4.06 |
| 30 H 8630 | M830 | 110 VDC | SPST | 6.20 | 5.89 | 8.58 | 4.34 |

MC SERIES. Bullt with ceramic contact spaces for RF switching for min. losses at high frequencies. Intercontact capacitance 1.5 mmfd . max. SPDT pal. ladium contacts rated 1 amp. Solder lug terminals. Mounts on yox $\mathrm{y}^{\mathrm{m}}$ centers. Shpg. wt. 402.


| Stock No. | Type | Coll Voils | Arrankement | $\begin{aligned} & 1.24 \\ & \text { each } \end{aligned}$ | $\begin{array}{r} 25-50 \\ \text { each } \end{array}$ | $\begin{aligned} & 51.99 \\ & \text { each } \end{aligned}$ | $\begin{gathered} 100 \cdot 249 \\ \text { each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8631 | MC5A | 120VAC | SPDT | 5.50 | 5.23 | 4.95 | 3.85 |
| 30 H 8632 | MC5D | 12VDC | SPDT | 4.85 | 4.61 | 4.37 | 3.40 |
| 30 H 8633 | MC5D | 24VDC | SPDT | 4.85 | 4.61 | 4.37 | 3.40 |

# Potter And Brumfield Relays <br> \section*{DRY REED RELAYS} 

IR SERIES - Ory reed retays featuring fast response, high sensitivity, small size, and long life. Operate time, 3 milliseconds: Release, $1 / 2$ millisecond, Ory reed glass capsules with two types of contact arrangements. Form A is SPST-NO; Form C is SPOT-NC.
 cavity $7 / \mathbf{h e m}^{\prime \prime}, 3$ cavity $11 /{ }^{\mathrm{m}}$. Shpg. wt., 402.

No. of Coll contact Reed

## Stoch No. Type Cavities Volts Arrange

| 30 H 8843 JR1000 | 1 | 。 | 1A | 15 | 2.65 | 2.07 | 1.53 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8849 IR 1001 | 2 | 6 | 2A | 15 | 3.85 | 2.17 | 2.59 |
| 30 H 2150 IR1040 | 1 | 6 | 1C | 10 | 6.65 | 5.19 | 4.85 |
| 30 H 8851 JR 1020 | 1 | 6 | 14 | 50 | 3.75 | 2.93 | 2.74 |
| 30 H 8052 JR1005 | 1 | 12 | 14 | 15 | 2.65 | 2.07 | 1.93 |
| 30 H 8853 JR1006 | 2 | 12 | 24 | 15 | 3.55 | 2.77 | 2.59 |
| 30 H 1054 JR1045 | 1 | 12 | 1C | 10 | 6.68 | 5.19 | 4.05 |
| 30 H 1055 JR1025 | 1 | 12 | 14 | 50 | 3.75 | 2.93 | 2.74 |
| 30 H 8156 JR1026 | 2 | 12 | 2A | 50 | 5.75 | 4.49 | 4.20 |
| 30 H 8057 JR1010 | 1 | 24 | 14 | 15 | 3.10 | 2.42 | 2.26 |
| 30 H 1850 JR1011 | 2 | 24 | 24 | 15 | 3.60 | 2.66 | 2.77 |
| 30 H 8858 JR1050 | 1 | 24 | 1 C | 10 | 0.95 | 5.42 | 5.07 |
| 30 H 8050 JR1030 | 1 | 24 | 14 | 50 | 4.00 | 3.12 | 2.92 |
| 30 H E861 JR1031 | , | 24 | 2A | 50 | 6.00 | 4.88 | 4.38 |



MEOH INDICATOR RELAYS - KRPIIAN and KRPIIDN - Incorporate NE-2 Neon lamp to indicate current or voltage availability in power circuit. OPDT silver contacts rated at 10 amps. Clear dust cover. Base has standard octal plug. Uses same socket as KRP series. Shpe wt., 502.

|  |  | Arange. ment | Coil volts | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 5.50 |  |  |
|  | RP1 |  |  |  |  |  |  |
| 30 M 1777 | KRPIIAN | OPOT | 12VAC | 7.50 | 7.13 | 6.75 | 5.2 |
| 30 H 1778 | KRPIIAN | OPOT | 24 VAC | 7.50 | 7.13 | 6.75 | 5.2 |
| 30 H 1779 | KRPIIAN | OPDT | 120 VAC | 7.50 | 7.13 | 6.75 | 5.25 |
| 30 M 1780 | KRPIIAN | OPOT | 240 VAC | 7.90 | 7.51 | 7.11 | 5.53 |
| 30 M 8782 | KRP110N | DPOT | 12VOC | 7.45 | 7.0 | 6.70 | 5.2 |
| 30 M 8183 | KRPIION | DPOT | 24VOC | 7.45 | 7.08 | 6.70 | 5.22 |
| H 47 | 110 | OPOT | 10VOC | 8.10 | 7.70 | 7.29 | 5.67 |

MHP17011 Series-Small. rugged, 4POT, designed to meet the exacting requirements of data processing, computer, and process control applications, All have nylon dust cover. $k_{8}^{\prime \prime}$ dia. sliver contacts rated at 3 amps at 30 VDC or 120 VAC resistive for 100.000 operations. Mtg.: solder terminals with $3-48$ stud \%\%" long. Adapiable for plug-in or printed circult applications. Slze: $11 / 4 x^{5} / 4 x^{1 / 20} 0^{\prime \prime}$. Shipg. Wt., $21 / 402$.

| Stock Na. | Type | Urangement | CNI Velt | 1.24 | $\begin{gathered} \text { Net } \\ 25-50 \end{gathered}$ | $\begin{aligned} & \text { ach } \\ & 51.99 \end{aligned}$ | 00.249 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8746 | KHP17011 | 4PDT | 6VOC | 5.85 | 4.80 | 4.55 | 3.54 |
| 30 H 8747 | KMP17011 | 4PDT | 12VOC | 5.05 | 4.80 | 4.55 | 3.54 |
| 30 H 8748 | KHP17011 | 4PDT | 24VDC | 5.05 | 4.80 | 4.55 | 3.54 |
| 30 H 8750 | KHP17011 | 4PDT | 90VOC | 8.00 | 5.61 | 5.31 | 4.13 |
| 30 H 1751 | KHP17011 | 4PDT | 110VOC | 3.00 | 5.61 | 5.31 | 4.13 |
| Solder terminal socket and retaining ring |  |  |  |  |  |  |  |
| 30 M 752 2 66 . 63 . 59 |  |  |  |  |  |  |  |
| Printed Circuit terminal socket |  |  |  |  |  |  |  |
| 30 H 8753 . 66 . 63 |  |  |  |  |  |  |  |

30 H 8753

BUILD YOUR OWN RELAY
GP SERIES-Exireme versatility is afforded by this series of separate AC, OC colls and DPOT or 4PDT switches. Combine to form 24 different relays. Ideal for lab and experiment work. $3 / 16^{\circ}$ dia, sliver contacts. AC colts for 60 cps. Size of assembled relay, $1 \times 25 / 32 \times 1 \mathrm{~K}_{0}{ }^{\prime}$. Av. shipg. wt., 402 .

|  |  | COILS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type | Coil Volts | 1.24 | 25.50 | 51.99 | 100.249 |
| 30 H 8715 | GPA | 6VAC | 1.75 | 1.66 | 1.57 | 1.23 |
| 30 H 8873 | GPA | 12 VAC | 1.75 | 1.66 | 1.57 | 1.23 |
| 30 H 8716 | GPA | 24VAC | 1.75 | 1.65 | 1.57 | 1.23 |
| 30 H 8717 | GPA | 120 VAC | 1.75 | 1.65 | 1.57 | 1.23 |
| 30 H 8718 | GPA | 240VAC | 2.20 | 2.09 | 1.98 | 1.54 |
| 30 H 2719 | GPO | 6VOC | 2.20 | 2.09 | 1.98 | 1.54 |
| 30 H 8720 | GPD | 12VDC | 2.20 | 2.09 | 1.98 | 1.54 |
| 30 H | GPD | 24VOC | 2.20 | 2.09 | 1.98 | 1.54 |
| 30 H 8722 | GPO | 110 VOC | 3.30 | 3.14 | 2.97 | 2.31 |
| 30 H 8723 | GPD | 2500 ohms | 1.60 | 1.52 | 1.44 | 1.12 |
| 30 H 8724 | GPD | 5000 ohms 10K ohms | 1.85 | 1.76 | 1.67 | 1.30 |
| 30 H 8725 | GPD |  | 2.20 | 2.09 | 1.98 | 1.54 |
| SWITCHES |  |  |  |  |  |  |
| Stoch No. |  | Type | 1.24 | 25-50 | 51.98 | 100-249 |
| 30 H 8726 |  | PDT | 1.00 | 1.71 | 1.52 | 1.26 |
| 30 H 8127 |  | POT | 3.10 | 2.85 | 2.72 | 2.17 |



CA SERIES-Multiple leaf, all purpose relays, permitting a wide range of contact combinations. Moisture and shock resistant. Ko" dia. silver plated contacts rated at 5 amps. AC coils for 60 cps. Mtg. No. 8.32 tapped core with locating boss. Size:


| Stect Ne. | Type | Arrange. ment | Coll Volts | $\begin{aligned} & 1.24 \\ & \text { Each } \\ & \hline \end{aligned}$ | $\begin{aligned} & 25.50 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 51.99 \\ & \text { Each } \end{aligned}$ | 100-248 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 1703 | GA11A | OPOT | 6VAC | 3.50 | 3.33 | 3.15 | 2.45 |
| 10 H 104 | calla | OPDT | 24VAC | 3.50 | 3.33 | 3.15 | 2.45 |
| 30 N 8705 | GA11A | OPOT | 120 VAC | 3.50 | 1.13 | 3.15 | 2.45 |
| $30 \mathrm{H} \mathbf{7 0 6}$ | GA110 | OPDT | 6 VDC | 3.50 | 3.33 | 3.15 | 2.45 |
| 30 H 1707 | Gal10 | OPOT | 12VOC | 3.50 | 3.33 | 3.15 | 2.45 |
| 30 H 8700 | Gal10 | OPOT | 24VDC | 3,50 | 3.33 | 3.15 | 2.45 |
| 30 M 19838 | GA110 | OPDT | 110VDC | 4.00 | 3.60 | 3.60 | 2.40 |
| 30 H 2709 | GA17A | 4PDT | 6VAC | 5.10 | 4.05 | 4.59 | 3.57 |
| 30 H 1710 | GA17A | 4PDT | 24VAC | 5.10 | 4.65 | 4.59 | 3.57 |
| 30 H 8719 | GA17A | 4POT | 120VAC | 5.10 | 4.05 | 4.59 | 3.57 |
| 30 H 9712 | GA170 | 4 APDT | 6VOC | 5.10 | 4.85 | 4.59 | 3.57 |
| 30 H 1713 | Gal70 | 4PDT | 12VDC | 5.10 | 4.85 | 4.59 | 3.57 |
| 30 H 8714 | Gallo | 4PDT | 24VD | 5.10 | 4.65 | 4.59 | 3.57 |



M SERIES-low power loads such as small motors. solenoids and general automation work. Silver con tacts rated at 5 amps . Moisture and shock resistant AC coll for 60 cps. Mig.: 1 No. 6.32 stud and 10


| Stock No. | Arrangement |  | Coil Volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25-50 \\ & \text { Each } \end{aligned}$ | $\begin{array}{r} 51.99 \\ \text { Each } \end{array}$ | $\begin{gathered} 100.249 \\ \text { Exch } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 120 | KA5AY | SPOT | 6VAC | 3.35 | 3.18 | 3.01 | 2.35 |
| 30 N 8729 | Masay | SPOT | 24VAC | 3.35 | 3.11 | 3.01 | 2.35 |
| 30 H 8730 | KASAY | SPDT | 120VAC | 3.35 | 3.16 | 3.01 | 2.35 |
| 30 H 8731 | KA5DY | SPOT | 6VOC | 3.20 | 3.84 | 2.00 | 2.24 |
| 30 Ha 732 | Kasor | SPOT | 12VDC | 3.20 | 3.04 | 2.8 | 2.24 |
| 30 H 8133 | KA5 | SPDT | 24VDC | 3.20 | 3.04 | 2.88 | 2.24 |
| 30 N 8734 | Kallay | OPDT | 6VAC | 4.05 | 3.85 | 3.65 | 2.84 |
| 30 H 6735 | Kaliay | OPDT | 24 VAC | 4.05 | 3.85 | 3.65 | 2.84 |
| 30 H 8736 | Kallay | DPDT | 120 VAC | 4.05 | 3.85 | 3.65 | 2.84 |
| 30 H 8737 | Kallor | OPOT | 6VDC | 3.55 | 3.37 | 3.20 | 2.49 |
| 30 H 8738 | Kalloy | DPOT | 12VDC | 3.55 | 3.37 | 3.20 | 2.45 |
| 30 H 8139 | KA110Y | DPOT | 24VOC | 3.55 | 3.37 | 3.20 | 2.48 |
| 30 H 8839 | kallor | OPOT | 110VOC | 4.20 | 3.99 | 3.78 | 2.34 |
| 30 H 8740 | kal4ay | 3PDT | 6VAC | 4.45 | 4.23 | 4.01 | 3.12 |
| 30 H 1741 | Kal4ay | 3POT | 24VAC | 4.45 | 4.23 | 4.01 | 3.12 |
| 30 H 6742 | KA14AY | 3PDT | 120 VAC | 4.45 | 4.23 | 4.01 | 1.12 |
| 30 N 8743 | KA140Y | 3PDT | 6VOC | 4.05 | 3.85 | 3.65 | 2.84 |
| 30 H 9744 | KA140Y | 3PDT | 12VDC | 4.05 | 3.85 | 3.65 | 2.44 |
| 30 H 8745 | KA140Y | 3PDT | 24VOC | 4.05 | 3.05 | 3.55 | 3.4 |



KRP SERES - Versarile, 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 $1 / 4$ " silver cadmium oxide contacts rated 20 amps ; others have $\mathrm{X}_{\mathrm{c}}$ "contacts rated 10 amps. Shpg. wt., 502.

| Steck Mo. | Type | Arrange. ment | Coll volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25 \cdot 50 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 51.99 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 100 \cdot 249 \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8840 | KRP3AH | SPST | 6VAC | 6.65 | 6.32 | 5.53 | 4.66 |
| 30 H 8841 | KRP3AN | SPST | 12VAC | 6.65 | 6.32 | 5.95 | 4.66 |
| 30 H 8842 | KRP3AH | SPST | 24VAC | 6.65 | 6.32 | 5.59 | 4.66 |
| 30 H 8043 | KRP3AH | SPST | 120VAC | 6.65 | 6.32 | 5.98 | 4.56 |
| 30 H 8644 | KRP3OH | SPST | 6VOC | 0.45 | 6.13 | 5.60 | 4.52 |
| 30 H 8845 | KRP3OH | SPST | 12VDC | 6.45 | 6.13 | 5.40 | 4.52 |
| 30 H 8845 | KRP30H | SPST | 24VOC | 8.45 | 6.13 | 5.40 | 4.52 |
| 30 H 8847 | KRP3OH | SPST | 110VOC | 7.10 | 6.75 | 6.39 | 4.97 |
| 30 H 8754 | KRPSAG | SPDT | 6VAC | 5.85 | 5.56 | 5.27 | 4.10 |
| 30 N 8759 | KRP5AG | SPOT | 24VAC | 5.05 | 5.55 | 5.27 | 4.10 |
| 30 H | KRPSAG | SPDT | 120VAC | 5.05 | 5.56 | 5.27 | 4.10 |
| $30 \mathrm{H} / 761$ | KRP50G | SPDT | 6VDC | 5.00 | 5.51 | 5.22 | 4.06 |
| 30 H 8762 | KRPSOG | SPOT | 12VOC | 5.0 | 5.51 | 5.22 | 4.06 |
| 30 H 8763 | KRP50G | SPOT | 24VDC | 5.80 | 5.51 | 5.22 | 4.06 |
| 30 H 9764 | KRPIIAG | OPDT | 6VAC | 6.55 | 6.22 | 5.89 | 4.59 |
| 30 H 2765 | KRP11AG | OPOT | 12VAC | 6.55 | 6.22 | 5.85 | 4.59 |
| 30 H 766 | KRP1IAG | DPDT | 120 VAC | 6.55 | 6.22 | 5.15 | 4.59 |
| 30 H 8767 | KRP110G | DPDT | 6VOC | 6.50 | 6.18 | 5.45 | 4.55 |
| 30 H 8768 | KRP110G | DPDT | 12VDC | 5.50 | 6.18 | 5.85 | 4.55 |
| 30 H 8769 | KRP110G | OPDT | 24VOC | 6.50 | 6.14 | 5.85 | 4.55 |
| 30 H 4770 | KRP14AG | 3PDT | 6VAC | 8.20 | 7.79 | 7.38 | 5.74 |
| 30 H 1771 | KRP14AG | 3PDT | 24 VAC | 8.20 | 7.79 | 7.38 | 5.74 |
| 30 H 8772 | KRP14AG | 3PDT | 120 VAC | 0.20 | 7.78 | 7.38 | 5.74 |
| 30 H 6773 | KRP140G | 3PDT | 6VDC | 6.10 | 7.70 | 7.29 | 5.67 |
| 30 N 8774 | KRP140G | 3PDT | 12 VDC | 8.10 | 7.70 | 7.29 | 5.67 |
| 30 H 8775 | KRP140G | 3PDT | 24VDC | 8.10 | 7.70 | 7.29 | 5.67 |

Amphenol 146.103 Sockets. For KRP relays except KRP14's. 12 H 1904 Shpg. wt., 5 0z. Net 1.50 Amphenol 77MIPII Sockets. 11 pin socket for KRP 14 relays. 32 H 1905 Shpg. wt., 202.

Net, 27

# Potter And Brumfield Relays SPECIAL PURPOSE RELAYS 

## LATCHING RELAYS

PC SERIES，Single Coll Impulse latehing 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．Mit： $2 \%_{2}{ }^{\prime \prime}$ dia．holes on $2 \%^{\prime \prime}$ centers．


| Stock No． | Type | Arrange． ment | Coil volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25 \cdot 50 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 51.99 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 100.249 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8642 | PC11A | DPDT | 6VAC | 5.50 | 5.61 | 5.31 | 4.13 |
| 30 H 8643 | PC11A | DPDT | 24 VaC | 5.00 | 5.61 | 5.31 | 4.13 |
| 30 H 8644 | PClla | DPDT | 120VAC | 5.90 | 5.61 | 5.31 | 4.1 |
| 30 H 8645 | PC110 | DPDT | 24VDC | 5.7 | 5.42 | 5.13 | 3.9 |
| Stock No． | Arrange． ment |  | Coll Volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\underset{\text { Each }}{25-50}$ | $\begin{gathered} 51.99 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 100.249 \\ \text { Each } \end{gathered}$ |
| 30 H 8646 | PC17A | 4PDT | 24 VA | 8.15 | 7.14 | 7.34 | 5.71 |
| 30 H 8647 | PC17A | 4PDT | 120VAC | 0.15 | 7.74 | 7.34 | 5.71 |
| 30 H 8648 | PC17D | 4PDT | 24VDC | 7.9 | 7.55 | 7.1 | 5.5 |

Type KB17AG KB170G，Latching Relays．Ideal for memory work and overioad uses．Both release and trip colls must be for the same voltage，One coil operates relay to set latch and other coll releases it． Operates on momentary impulse to either coll．4PDT silver contacts rated at 10 amps ．Mtg． $2 \% \%^{\circ \prime}$ holes on $1^{3} \mathrm{~m}^{\prime \prime}$ centers



| Stock No． | Type | Arrange－ ment | Coll Volts | $\begin{aligned} & 1-24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & \text { 25-50 } \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 51.99 \\ \text { Each } \end{gathered}$ | 100.249 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8649 | KB17AG | 4PDT | 120VAC＊ | 11.15 | 10.59 | 10.04 | 7.81 |
| 30 H 8650 | KB17AG | 4PDT | 24VAC＊ | 11.15 | 10.53 | 10.04 | 7.81 |
| 30 H 8651 | KB17AG | 4PDT | 6VAC＊ | 11.15 | 10.53 | 10.04 | 7.81 |
| 30 H 8652 | KB170G | 4PDT | 110VDC | 11.40 | 10.03 | 10.25 | 7.98 |
| 30 H 8653 | KB170G | 4PDT | 24VDC | 10.15 | 9.64 | 9.14 | 7.01 |
| 30 H 8654 | KB1706 | 4PDT | 6 VDC | 10.15 | 9.64 | 0.14 | 7.01 |

## MICROMINIATURE HIGH G RELAY SL SERIES

Dual coll micro－miniature magnetic latching relay for low power．high shock vibration uses． 100 g shock， 30 g vibration to 2000 cps ．Temp．range－ $65^{\circ}$ to $+125^{\circ} \mathrm{C}$ ．Coils may be connected in series for polar operation．DPDT gold－flashed palladium contacts rated 2 amps．SLIIOA has shoulder flanges with two $.104^{\prime \prime} \mathrm{x} .136^{\prime \prime}$ holes on $1.062^{\prime \prime}$ center；SLIIDB has welded bracket with four $.125^{\prime \prime}$ dia．holes on $1.062^{\prime \prime} \mathrm{x} .281 "^{\prime \prime}$ centers． SLIIOC has two No．4－40 NC2A threaded studs on ．488＂x．220＂ diagonal centers．Size： $.890 x .795 \times .359^{\circ}$ ．Shpg．wt．， 3 oz．

| Stock No． | $\begin{gathered} \text { P\& } \mathrm{B} \\ \text { Type No. } \end{gathered}$ | Arrange． ment | Coil Volts | $\begin{gathered} \text { In } \\ 0 \mathrm{hms} \end{gathered}$ | Nominal Power |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 N 8650 | SLIIOA | DPOT | 24 | 630 | 1 W |
| 30 M 8653 | SLIIDB | OPOT | 24 | 630 | 1 w |
| 30 N 8664 | SLIIDC | DPDT | 24 | 630 | 1 W |
| NET | 1.24 | 25－49 | 50－59 |  | 100－249 |
| EACH | 18.85 | 18.88 |  |  | 13.90 |

TYPE KT11A AND KTIID．Relay．For swlitching 300 ohm＇lines．Glass base for minimum RF loss．DPDT silver contacts rated at 5 amps．Mtg．： 1 －no．6－32


| Stock No． | Type | Arrange． ment | Coll volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & \text { 25-50 } \\ & \text { Each } \end{aligned}$ | $\begin{array}{r} 51.99 \\ \text { Each } \end{array}$ | $100.249$ Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8693 | KT11A | DPDT | 6VAC | 3.00 | 3.71 | 3.51 | 2.73 |
| 30 H 8694 | KT11A | DPDT | 120VAC | 3.50 | 3.71 | 3.51 | 2.73 |
| 30 H 8695 | KT11D | DPDT | 6VDC | 3.90 | 3.71 | 3.51 | 2.73 |
| 30 H 8696 | KT11D | DPDT | 12VOC | 3.90 | 3.71 | 3.51 | 2.73 |

## 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 $3 / 4 \mathrm{HP}$ ； 4 AY are SPST－NC．OB rated 3 HP，Mtg．： 2 No．为z dia，holes on $1 \% / 40^{\prime \prime}$ centers．Size： $21 / 3 \times 21 / 32 \times 2 \%_{3}{ }^{\prime \prime}, 5 \mathrm{oz}$ ．

| Stock No． | P\＆B No． | Arrange－ ment | Coil Volts | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8667 | MS2AY | SPST－NC | 120 | 3.60 | 3.61 | 3.42 | 2.65 |
| 30 H 8668 | MS2AY | SPST－NC | 240 | 4.25 | 4.04 | 3.82 | 2.98 |
| 30 H 8669 | MSAAY | SPST．NC－DB | 120 | 4.45 | 4.23 | 4.01 | 3.12 |
| 30 H 8670 | MSAAY | SPST－NC－DB | 240 | 4.05 | 4.61 | 4.36 | 3.40 |

SOLID STATE TIME DELAY RELAYS CH SERIES．Knob adjustable DPDT relay with 10A rated contacts．Enclosed in white nylon dust cover with plug．in octal pins．Provide delay on operate，except $\dagger$ have delay on release．Reset time， 100 milliseconds；Timing accuracy $\pm 10 \%$ ； Repeatability $\pm 2 \%$ ．Polarity reversal protection on D．C．Size： $27 / 8 \times 13 / 4 x^{3 / 4}{ }^{*}$ ．Shpg．Wt， 50 oz．

| Stock N | Type | Input Volts | Delay Sec． | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 25-50 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 51.99 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 100 . \\ & 249 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8862 | CH838－3000 | 24 VAC | 1．0－10 | 18．50 | 17.58 | 5 | 㖪 |
| 30 H 8863 | CH838－30003 | 24VAC | 1．0．180 | 18.50 | 17.58 | 16.65 | 14.80 |
| 30 H 8864 | СН838－70001 | 120VAC | 1．0－10 | 18.50 | 17.58 | 16.65 | 14.80 |
| 30 H 8865 | CH838－70003 | 120 VAC | 1．0－180 | 18.50 | 17.58 | 16.65 | 14.80 |
| 30 H 8866 | CHD38－30001 | 24VDC | 1．0－10 | 17.50 | 16．63 | 15.75 | 14.00 |
| 30 H 8867 | CHD38－30003 | 24VDC | 1．0－180 | 17.50 | 16.63 | 15.75 | 14.00 |
| 30 H 8868 | CHB38－70011 ${ }^{\text {c }}$ | 120VA | 1．0－10 | 22.50 | 21.38 | 20.25 | 18.00 |
| 30 H 8869 | CHB38－70013 $\dagger$ | 120VAC | 1．0－180 | 22.50 | 21.38 | 20.25 | 18.00 |
| 30 H 8870 | CH038－30011† | 24VDC | 1．0－10 | 20.50 | 19.48 | 18.45 | 16.40 |
| 30 H 887 | CHD38－30013 $\dagger$ | 24VDC | 1．0－180 | 20.50 | 19.48 | 18.45 | 16.40 |

## 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 S／2＂dia．holes on $33 /{ }^{\prime \prime \prime} x / \%^{\prime \prime}$ triangular centers．Contacts $\mathrm{K}_{0}$＂dia． silver．Rated at 5 amps．Size： $37 / 4 \times 2 \mathrm{~K}_{6} \times 21 / 4^{\prime \prime}$ ．Shpg，wt．， 9 oz ．

| Stock No． | Type | Arrang ？－ ment | Coil Volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25-50 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 51.99 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 100.999 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 N 8671 | AP11A | DPOT | 6VAC | 9.20 | 8.74 | 8.28 | 6.44 |
| 30 H 8672 | APIIA | DPDT | 12 VAC | 9.20 | 8.74 | 8.28 | 6.44 |
| 30 H 8673 | APIIA | OPDT | 24VAC | 9.20 | 8.74 | 8.28 | 6.44 |
| 30 H 8674 | AP．11A | DPDT | 120 VAC | 9.20 | 8.74 | 8.28 | 6.44 |
| 30 H 8675 | AP11A | DPDT | 240VAC | 9.70 | 9.22 | 0.73 | 6.79 |
| 30 H 8676 | APILD | DPDT | 6VDC | 9.20 | 8.74 | 0.28 | 6.44 |
| 30 H 8677 | AP110 | DPDT | 24VDC | 9.20 | 8.74 | 8.28 | 6.44 |
| 30 H 8680 | AP17A | 4PDT | 120VAC | 11.15 | 10.59 | 10.04 | 7.81 |
| 30 H 8872 | AP17D | 4PDT | 12 VOC | 11.15 | 10.59 | 10.04 | 7.11 |
| 30 H 8682 | AP170 | 4PDT | 24VDC | 11.15 | 10.59 | 10.04 | 7.81 |

## SUB－MINIATURE RELAYS

KM SERIES．Tiny 3 －pole relays weighing only 7／e oz． For multiple switching．Solder lug terminals，Mtg．no． $\mathbf{2 - 5 6}$ tapped core and locating half－punch．Silver con


| Stock No． | Type | Arrange－ ment | Coil Volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25-50 \\ & \text { Each } \\ & \hline \end{aligned}$ | $\begin{gathered} 51.99 \\ \text { Each } \end{gathered}$ | $100.249$ Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8684 | KM5D | SPOT | 6VOC | 3.60 | 3.42 | 3.24 | 2.52 |
| 30 H 8685 | KM5D | SPDT | 12VDC | 3.60 | 3.42 | 3.24 | 2.52 |
| 30 H 8686 | KM5D | SPOT | 24VDC | 3.60 | 3.42 | 3.24 | 2.52 |
| 30 H 8687 | KM11D | DPDT | 6VOC | 3.95 | 3.75 | 3.55 | 2.71 |
| 30 H 8688 | KM11D | DPDT | 12VOC | 3.95 | 3.75 | 3.55 | 2.71 |
| 30 H 8690 | KM14D | 3PDT | 6VDC | 4.55 | 4.32 | 4.09 | 3.19 |
| 30 N 8691 | KM14D | 3PDT | 12VOC | 4.55 | 4.32 | 4.09 | 3.19 |

## STEPPING SWITCH

TYPE SA－IN．12A．Twelve position stepping relay with printed circuit strips to switch currents up to 250 ma．Armature－driven pawi operates a ratchet wheel to drive the movable contacts in steps of $30^{\circ}$ ．Mtg．： two 6－32 holes on 1 13／4＂centers．Size： $21 / 2 \times 21 / 8, x$ 1 K月，＂$^{\prime \prime}$ ．Shpg．wt．， 4 oz．

|  | Type | Coil <br> Volts | 1.24 <br> Each | 25.50 <br> Each | 51.99 | 100.249 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Each | Each |  |  |  |  |  |


| 30 H 8697 | SA－1N－12A | 120 VAC | 7.00 | 6.65 | 8.30 | 4.90 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## BU BUZZER

AC operated coil with spring steel armature．Nomi－ nal power 4.6 VA ．Mtg．： 6032 tapper core．Size：


| Stock No． | Type | Coll Volts | $\begin{aligned} & 1.24 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 25.50 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 51.99 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 100 \cdot 249 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 N 8698 | BU | 6 V | 1.85 | 1.76 | 1.67 | 1.30 |
| 30 H 8699 | BU | 12V | 1.05 | 1.76 | 1.67 | 1.30 |
| 30 H 8701 | BU | 24 V | 1.85 | 1.78 | 1.67 | 1.30 |
| 30 H 8702 | BU | 120 V | 1.85 | 1.76 | 1.57 | 1.30 |

# Relays-Miniature Pilot Lamps and Flashlight Bulbs AMPERITE 

 THERMOSTATIC DELAY RELAYS

Heater-actuated time-delay relays. Operate on $A C, O C$ 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 $24 / 4^{\prime \prime} \times 14 / 4^{\prime \prime}$ diameter.

| c. | ${ }_{\mathrm{ac}}^{\mathrm{AC}}$ | $\begin{aligned} & 11: \\ & \mathrm{ac} \end{aligned}$ | $\mathrm{AC} \cdot \mathrm{DC}$ | AC. |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  | 33Н3502 | 33H | 33 H |  |
| 10 | 33-3503 | 33 |  |  |
| 15 | ззн3504 | ззк | ззнз | 33Н354 |
|  | ни |  | 33 |  |
| 30 |  |  |  |  |
|  |  |  |  |  |
|  | 33-3 | 33H | 334 |  |
|  | ззнз |  | 334 |  |
|  | 33-15510 | 33н | з3ल |  |
|  | 33H3511 | 33H | 33 |  |
| 150 | 33 |  |  |  |
| 30 | 33-3513 |  |  |  |
| of |  |  | . |  |
| as above, avaliable in miniature size, with delays from 2 to 120 sec . Contacts rate 2 Amps. at 115 VAC or 1 Amp . at 220 VAC Has 9 pin ministure base. size $21 / 2 x 7 / 4$ dia Shpg. wt., $30 \mathbf{0 z}$. |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Delay | Normaliy <br> $6.3 V$ <br> AC-DC | $\begin{array}{r} \text { Y Open } \\ 115 \mathrm{~V} \\ A C-D C \\ \hline \end{array}$ | Normaliy Closed 6.3 V 115 V <br> AC-DC AC-DC |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | 33H3549 | 33н3 | 込 | 8 |
|  | 33435503343551 | 33H3561 | 33-3572 |  |
|  |  |  | 3343573$33 H 3574$ |  |
|  | 3зн3552 | 33H3563 |  | 33 H 3585$\mathbf{3 3 H 3 5 8 6}$ |
|  | 33н3553 | 33Н3564 | 3343575 |  |
|  |  |  |  |  |
|  |  | 331 | )3135 |  |
|  | 33M3556 | 33H356 | 33H357 | 33H3589 |
|  | 3343557 | 33н356 | 33и357 |  |
|  | 33и3558 | ззиз569 | з3н358 |  |
| 120 | 3343559 |  | ззн3581 | 33н3592 |
|  |  |  |  |  |

## DIAMOND SPATULA

## - A PRECISION TOOL FOR CLEAN ING RELAYS, AND ALL TYPES OF CONTACTS

By utilizing diamond particles as the abrasive element. so little pressure is required to do an effective cleaning iob that normal gap is unaffected. Light pressure removes less than 1 micron and leaves clean polished surface with minimum of time and effort. $6^{*}$ long. Shpg. wt., 3 oz.

## 3 TYPES AVAILABLE

TYPE 200. 55/100 mm. thick, 2 diamond sur faces. For industrial relays and contractors 12 M 2201
Tre 300 . relays. telephone relays, etc.
12 H 202
Net 4.95
TYPE $400.25 / 100 \mathrm{~mm}$. thick-single dia. mond surface. Specially designed for sensitive relays and individual cleaning of closely set contacts.
12 H 2203 Net 4.95 kit of 3 , one each of above in plastic case Shpg. wt., 1/2 ib.
12 H 2204
Net 14.85

For radio and T.V. pilot lights, panets, flashlights, toys, appliances, coin machines, etc. Base code: 1- single contact flanged, 2. screw; 3- bayonet, 4- special, 5 - single contact midget, 6 - single contact bayonet, 7- double contact bayonet, 8. midget screw, 9. miniature bay. onet, 10 - two pin. Under AMPS, CP means candleponer. Shpg. wt., box 10 is 402.1 lamp, 2 oz.


## \#47 PILOT 10 for LAMPS <br> 59c

Most often used pilot light. Replaces pilot in most electronic entertainment equipment. Shpg. wt., 5 oz. Imported.
$99 \mathrm{H} 6304 \quad$ pkg of $10 \ldots \ldots . \quad . \quad . \quad . \quad . \quad . \quad$


## METER

 ILLUMINATING PILOT LAMPFor Illuminating Meters Internally
Used in Lafayette "S' and Modutation 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.

## NEON GLOW LAMPS

For $105-125 \vee$ AC operation. Screw types have resistor in base for 105.125 v others require external resistor. AC starting voltage shown: DC starting voltage $40 \%$ higher. Shpg. wt.. 2 oz.

## AC-DC PILOT LAMPS



| Stock No. | Type | Watts |  |  |  | $\begin{aligned} & 10 . \mathrm{Up}_{\mathrm{p}} \\ & \text { Eat } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Start Volt | Base Type | Each |  |
| 32 H 6672 | NE-2 | $1 / 25$ | 65 | Wire Term. | . 10 | . 08 |
| 32 H 6673 | NE.2E | $1 / 10$ | 65 | Wire Term. | . 10 | . 08 |
| 32 H6683 | NE-2H | $1 / 4$ | - | Wire Term. | . 11 | . 09 |
| 32 H 6674 | NE-17 | 1/4 | 55 | O.C. Bay. | . 86 | . 73 |
| 32 H 6675 | NE-21 | 1/4 | 55 | S.C. Bay. | . 90 | . 71 |
| 32 H 6676 | NE-34 | 2 | 60 | Edison | 1.76 | 1.34 |
| 32 H 6677 | NE. 36 | 2 | 60 | SK. D.C. Bay. | 2.28 | 1.79 |
| 32 H 6678 | NE 40 | 3 | 60 | Edison | 2.56 | 2.00 |
| 32 H 6679 | NE 45 | 1/4 | 65 | Cand. Screw | . 81 | .63 |
| 32 H 6680 | NE.48 | 1/4 | 65 | D.C. Bay. | . 67 | . 52 |
| 32 H 6681 | NE-51 | 1/25 | 65 | S.C. Bay. Min | . 20 | . 16 |
| 32 H 6682 | NE.51HH | 1/4 |  | S.C. Bay. Min | . 22 | . 18 |
| 32 H 6687 | NE-68 |  | 60 | Wire Term. | . 40 | . 32 |
| 32 M 6689 | NE-83 | - | 60 | Wire Term. | . 20 | . 16 |

# Sylvania Pilot and Indicator Lights - New Lamps SPEC-MASTER PILOT LIGHTS 

Designed to provide longer intervals of pilot light replacement in critical equipment such as receivers, transmitters, power supplies. Engineered to give 5000 hours minimum life at rated voltage. These efficient Sylvania Spec-Master Pllot Lights exceed many of the specifications set by Associated Testing Laboratories Inc. for use in missile horn, aircraft, marine and ground appilcations. Associated Testing laboratories Is a quallifed independent testing facility recognized by the U.S. government.


## translucent

LENSES
transparent


LENSES Fit lamps listed below, Designed to provide true color and shard signais. Constructed of

| Stock No. | Mir's <br> Type | Color | Stock No. | Mfr's <br> Type | Color | Stock No. | $\begin{aligned} & \text { Mir's } \\ & \text { Type } \end{aligned}$ | Color | Siock No. | $\begin{aligned} & \text { Mfr's } \\ & \text { Type } \end{aligned}$ | Color | 1.9 | $\begin{gathered} \text { EACH } \\ 10.99 \end{gathered}$ | 100.Up |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 5115 | 30100-0 | Red | 34 H 5119 | $30110-0$ | Red | 34 H 5125 | 301200 | Red | 14 N 5130 | 30130.0 | Red |  |  |  |
| 34 H 5117 | 301020 | Green | 34 H 5120 | 301110 | Amber | 34 N 5126 | 30122-0 | Green | 34 N 5132 | $30131-0$ | Yellow |  |  |  |
| 34 H 5116 | $30103-0$ | Blue | 34 H 5121 | 301120 | Green | 34 N 5127 | 30124.0 | Blue | 34 H 5131 | 30132-0 | Green | . 20 | .19 | 17 |
| 34 H 5118 | $30106-0$ | Amber | 34 H 5122 | 30113-0 | Blue | 34 H 5129 | 30125-0 | Clear | 34 H 5133 | 30133.0 | White |  |  |  |
|  |  |  | $34 \text { Y } 5123$ $34 \text { N } 5124$ | $301140$ $30116-0$ | Yellow Clear | 34 H 5120 | 30126-0 | Amber |  |  |  |  |  |  |

LAMPS

| Stock No. | MIM. BAYONET Lamp No. | Mir's Type | Stock Mo. | SLIDE BASED Lamp No. | Mir's Type | Bulb | Volts | Av. Watts | Av. Amps | End Foot. Candles | 1.9 | $\begin{aligned} & \text { EACH } \\ & 10.99 \end{aligned}$ | 100.Up |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H5101 | 16 MB | $35100-0$ | 34 H 5108 | 6PSB | 30672-0 | T2 | 6 | 8 | . 140 | 800 |  |  |  |
| 34 H 5102 | 12MB | 351010 | 34 H 5109 | 12PSB | 31272.0 | T2 | 12 | 2.0 | . 170 | 2400 |  |  |  |
| 34 H 5103 | 24MB | $35103-0$ | 34 H 5110 | 24PSB | 32472.0 | T2 | 24 | 1.7 | . 073 | 2200 |  |  |  |
| 34 H 5104 | 28MB | 35104.0 | 34 H 5111 | 28PSB | 32972-0 | T2 | 28 | 1.1 | . 040 | 1900 |  |  |  |
| 34 H 5105 | 48MB | $35106-0$ | 34 H 5112 | 48 PSB | 34872-0 | T2 | 48 | 2.5 | . 053 | 1500 | SI | 4 | 42 |
| 34 H 5106 | -60MB | $35107-0$ | 34 H 5113 | 60PS8 | 36072.0 | 12 | 60 | 3.0 | . 050 | 2400 |  |  |  |
| 34 H 5107 | 120 MB | 35108.0 | 34 H 5114 | 120PS8 | $32072-0$ | T2 | 120 | 3.0 | . 025 | 1600 |  |  |  |

## UNIVERSAL HOUSING (U.L. Listed)



For use with slide based pilot lamps. Rated at 75 watts, 125 volts parts, rest phenolic. Length. $1^{12 / h}$ " Panel Thickness. $^{2}$ 13/32"
$100.999 \quad$ E_, . 51

Sockets are molded of tough Lexan plastic. The metallic parts of the lamps and sockets are nicket plated. Sockets are front panel mounted by mreans of clips. Can be mounted from front of chassis. Strip sockets 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.


IMOICATOR SOCMETS (Single-Socket TYpe)
 1.9.... Fa. 26 10-99........ Ea. . 24 100-Up......... Ea. . 22 34 H 5136 30151-ORectangular. Same bady size as above. Flange: $1 / 2 x^{3 / 4}$.
1.9........ Ea. . 26 10-99....... Ea. 24 100-Up......... Ea. 22

In 5 colors

| profax |  |  | PYREX |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mfr's Type | Celor | Stock No. | Mfr's Type | Color |
| 34 n 5141 | 380010 | Red | 34 H 5146 | 380710 | Red |
| 34 H 5142 | 38002-0 | Yellow | 34 H 5147 | 38072-0 | Yellow |
| 34 M 5143 | 38003-0 | White | 34 H 5148 | 38073-0 | White |
| 34 H 5144 | 38004-0 | Green | 34 H 5149 | 38074-0 | Green |
| 34 H 5145 | 38005-0 | Blue | 34 H 5150 | 38075-0 | Blue |
| 1.9_Ea. | $\begin{aligned} & 10-99 \\ & \text { up Ea. } \end{aligned}$ | .a. . 065 | 1-9. Еа. | $\begin{array}{ll} 7 & 10.99 \\ \text { up_Ea. } \end{array}$ | $\text { Ea. . } 065$ |



INOICATOR LAMPS Long Life - Rated 3,000-15,000 hours, Bulb-ciear T2, Base Silde Type consisting of

| Stock Mo. | Trpo Mir's | Volts | Current (ma) | End foot. Candles | 1.9 | $\begin{aligned} & \text { EACH } \\ & 10.99 \end{aligned}$ | 100.Up | Stock No. | Mfr's Type | Volts | Current (ma) | End FootCandles | 1.9 | $\begin{gathered} \text { EACH } \\ 10.99 \end{gathered}$ | 100. Up |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 5151 | 30450-0 | 4.0 | 35-45 | 200 |  |  |  | 34 H 5158 | $34861-0$ | 48.0 | 35.45 | 2000 | . 51 | . 48 | 42 |
| 34 H 5152 | 30550-0 | 5.0 | 35-45 | 225 |  |  |  | 34 H 5159 | 3165000 | 16.0 | 35.45 | $900)$ |  |  |  |
| 34 H 5153 | 30650-0 | 6.0 | 35.45 | 250 | . 46 | . 40 | . 38 | 34 H 5160 | 3163000 | 16.0 | 15.20 | 150 |  |  |  |
| 34 H 5154 | 31063-0 | 10.0 | 35-45 | 450 |  |  |  | 34 H 5161 | 318600 | 18.0 | 34.45 35.45 | 1000 | .46 | . 40 | . 38 |
| 34 H 5155 | 31030-0 | 10.0 | 15-20 | 100 |  |  |  | 34 H 5162 | 32455-0 | 24.0 | 35.45 | 1100 |  |  |  |
| 34 H 5156 | $31040-0$ | 10.0 | 9.11 |  | .70 | . 60 | . 53 | 34 H 5163 | 324900 | 24.0 28.0 | 15.20 | 200 |  |  |  |
| 34 H 5157 | 31255-0 | 12.0 | 35-45 | 800 | . 46 | . 40 | . 38 | 14 H 5164 | 32900.0 | 28.0 | 35.45 | 1285 |  |  |  |

## INDUSTRIAL DEVICES NEON PILOT LAMPS

OMNI GLOW SERIES
for use on instrument panels, etc. Will last in excess of $10-25,000$ hours. Built in NE-2H neon glow lamp and current Ifmiting resistor. Mounts in $1 / 2^{\prime \prime}$ hole with speed nut (supplied). Complete with $41 / 2^{\prime \prime}$ leads. Operates on $95-125$ VAC. Available with rounded, cytindri. cal or square lens, with chrome bezel. Shpg. wt., 40. (N) ROUNDED LENS

34 H 520 Red lens 34 H 5201 Clear Iens

32 H 5209 Amber lens
(B) CYLINDRICAL LENS

32 H 5202 White lens

14 H 5210 Red Iens
34 H 5211 Amber lens 34 H 5212 White iens
(C) SQUARE LENS

34 M 5213 Red iens
34 H 5214 Amber lens 34 H 5215 White lens

OLO-DOT SERIES
Especially made for tight spots. Mounts in $5 / 16^{\prime \prime}$ hole with speed nut supplied. High brilliance NE-2H lamp with bullt. in resistor assures long life. UL and CSA listed. Complete with two $41 / 2^{*}$ leads. Operates on $95 \cdot 125 \mathrm{VAC}$. Shpg. wt., 402.
(D) MEDIUM LENS

34 H 5203 Red lens
34 H 5204 Clear lens
34 H 5205 Amber lens 34 H 5206 White lens
Net ea, . 51
(E) HIGH MAT LENS

34 H 5216 Red lens
34 H 5211 Amber lens 34 H 5218 white lens
Net ea. . 54 (F) LINE-OLITE PILOT LIGHTS

Rectangular pilot light. Lamp is high intensity neon, and unit has internal resistor. White nylon housingi chrome piated bezel. Plastic lens size $1 / 4 \times 1 \%_{32}$. Mounts in hole $1 \% / y_{2} \times 13 / 32^{\circ}$, with speed nut supplied. Shpg. wt., 402.
34H5219 Red lens $\mathbf{3 4}$ H 5220 Amber lens .................... ea. 60

## E.F. Johnson Pilot Lights



## 1/2 INCH HORIZONTAL OPEN ASSEMBLIES

(C) For low voltage miniature bayonet (Series 147-403) and screw base (Serles 147. 400 lamps. $1 / 2^{\prime \prime}$ faceted lens. Easy lamp replacement. 11/16" mounting hole. Solder terminals. Less lamp. Shpg. wt., 2 oz.
Stock No. Mfg. No. Socket Color Net ea.
33 H 3252 147-403-2 bayonet Red
33 H 3253 147-403-3 bayonetGreen $\quad .68$
$\begin{array}{llll}33 & \text { H } 3254 & 147-403-4 & \text { bayonet Amber } \\ & \text {. } 63\end{array}$
33 H $3255 \quad 147.400-2$ screw Red . 65
$33 \mathrm{H} 3256 \quad 147-400-3$ screw Green . 65
$\begin{array}{llll}33 H 3257 & 147-400-4 & \text { screw Amber } .65\end{array}$

## $1 / 2$ 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.

| $\begin{aligned} & 147-300 \\ & \text { Screw } \\ & \text { Stock No. } \end{aligned}$ | $\begin{aligned} & 147.303 \\ & \text { Candelabra } \\ & \text { Stock No. } \end{aligned}$ | $147 \cdot 306$ Bayonet Stock No. | Color |
| :---: | :---: | :---: | :---: |
| 33 H 3258 | 33 H 3261 | 33 H 3264 | Red |
| 33 H 3259 | 33 H 3262 | 33 H 3265 | Green |
| 33 H 3260 | 33 H 3263 | 33 H 3266 | Amber |
| Net ea., 38 | Net ea., . 40 | Net ea., . 42 |  |

PILOT LIGHT SOCKETS


Cadmium plated brackets-with tinned brass lugs. Bayonet type with coll spring construction for positive contact. For miniature screw, bayonet, and candelabra base. Threaded jewel assemblies may be used with these sockets to provide panel indicators, and are listed above. Av. shpg. wt., 2 oz.

## ONE-INCH MOUNT ASSEMBLIES

(E) Series $147-802$. For 115 V . candelabra screw base buibs. Semi-enclosed assembly with faceted jewel. Lamp replacement from front or back. Socket portion detaches from panel bushing. 1" mounting hole. Shpg. wt., 502.

| Stock No. | Mfg. Type | Color | Net Ea. |
| :---: | :---: | :---: | :---: |
| 33 H 3267 | $147-802-2$ | Red | .97 |
| 33 H 3268 | $147.802-3$ | Green | .97 |
| 33 H 3269 | $147.802-4$ | Amber | .97 |

## NEON INDICATOR LIGHTS

(F) Miniature bayonet types for NE51 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 circult. Threaded lucite lens gives $180^{\circ}$ light spread. Solder terminals. Mounts In $11 / 16^{\prime \prime}$ hole. Less lamp. Shpg. wt., 3 02.

| Stock No. | $\begin{gathered} 147-1143 \\ \text { Type } \end{gathered}$ | Stock No. | $\begin{gathered} 147.1153 \\ \text { Type } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 33 H 3270 | Clear | 33 H 3274 | Clear |
| 33 H 3271 | Red | 33 H 3275 | Red |
| 33 H 3272 | Amber | 33 H 3276 | Amber |
| 33 H 3273 | White | 33 H 3277 | White |
| Any of the | ve |  | ea., |

## THREADED JEWEL ASSEMBLIES

(G) To panel mount with separate lamp sockets. Up to $11 / 32^{\circ}$ panels. $1 / 2^{\text {" }}$ and $3 / 8^{* \prime}$ diameters. Shpg. wi., 2 oz.
Red
Dia. StockNo. Stack No. Stock Mo. Ea.
1/2" 33 H $3278 \quad 33$ H 3279 33 H $3280-25$ 3/8 33 H $3281 \quad 33$ H $3282 \quad 33$ H 3283 . 18

## (H) PANEL LGGT

For tront-of-panel Illumination. Polished nickel-plated hood is easily removable for lamp replacement: can be rotated to any position. Fits $1 / 2^{\prime \prime}$ mounting hole. Two models, for $\mathbf{T} 1 / 4$ or $631 / 2$ bulbs. Shpg. Wt., 2 oz.
33 H 3243 No. 147-329-Minlature bayonet base. Net each 1.25 33 H 3244 No. 147.330-Miniature screw base. Net each 1.15

MINIATURE SCREW TYPE

| Stock No. | Type | Fig. | Net Ea. | 10 | 100 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 2800 | 5-01 | K |  |  |  |
| 32 H 2801 | 5-07 | L |  |  |  |
| 32 H 2802 | 5-04 | $\cdots$ | . 25 | 2.00 | 15.00 |
| 32 H 2803 | 5-05 | N |  |  |  |
| MIMIATURE BAYONET TYPE |  |  |  |  |  |
| 32 H 2804 | 7-01 | K |  |  |  |
| 32 H 2805 | $7-07$ | L |  |  |  |
| 32 H 2806 | 7-04 | M | 5 | 2.00 | 15.00 |
| 32 H 2807 | 7.05 | N |  |  |  |
| CANDELABRA TYPE, 115 VOLT |  |  |  |  |  |
| 32 H 2808 | 6-01 | K |  |  |  |
| 32 H 2809 | 6-07 | L |  |  |  |
| 32 H 2810 | 6-04 | M | . 25 | 2.00 | 15.00 |
| 32 H 2811 | 6-05 | N |  |  |  |

## LAFAYETIE SPECIAL NEON ASSEMBLY

For operation on 110 volts AC. Requires 100k resistor in serles. When used with 200 y . use 250 k resistor in series. AC starting voltage 60 v . Servicing life, 5000 to 10,000 operating hours. Chrome .finish. Imported. Shpg. wi., 2 oz.

|  |  | Lots of 10 |  |
| :--- | :---: | :---: | :---: |
| Stock No. | Celer | Net ea. | ea. |
| 99 H 6224 | Yellow | .39 | .35 |
| 99 H 6225 | Amber | .39 | .35 |
| 99 H 6226 | Red | .39 | .35 |

## LAFAYETIE HOBBYIST PILOT LIGHT ASSEMBLIES

- Ideal for the Builder and Experimenter
For all miniature screw Incandescent lamps. Bulb replaceable from front of panel. Transparent plastic dome for $180^{\circ}$ visibility. Front mounting with nickel finish nut and lockwasher. Solder terminals. $5 / 8^{\prime \prime}$ mounting hole. Less lamp. Imported. Shpg. wt., 3 02.

|  |  | Lots of 10 |  |
| :--- | :--- | :---: | :---: |
| Stock No. | Coler | Net ea. | ea. |
| 99 H 6332 | Red | .39 | .35 |
| 99 H 6333 | Clear | .39 | .35 |
| 99 H 6334 | Amber | .39 | .35 |
| 99 H 6335 | Green | .39 | .35 |

## PILOT LIGHT ASSEMBLES WITH SLIDE BASE LAMPS



For operation on 117 volts. Screw-in lens permits easy front panel lamp replace. ment. Utilizes Iong-lived miniature slide base lamps. Nylon non-strip self-locking fastening nut. Mounts in $11 / 16^{-}$hole. Stainless steel bezel. UL listed. With lamp. Shpg. wt., 3 oz.
34 H 5221 Red lens $\qquad$ Net 1.15 34 H 5222 Amber lens Net 1.15 34 H 5223 Green lens Net 1.15
Replacement 120PS8 120 volt lamp for above 34 H 5114

Net 46

## SOCKETS FOR NEON, ARGON <br> AND PILOT LAMPS


(P) Cleat Receptacte with Edison Socket. 13 H 8127 Shpg. wt., 302. Net 25 (P) Receptacle with miniature screw socket. 13 H 8128 Shpg. wt., 302. Net 19
(P) Receptacle with candelabra socket

13 H 8129 Shpg. wt., 3 oz $\qquad$ Net 19 (a) Recessed receplacle with candelabra socket
13 H 2350 Shpg. wt., 302 $\qquad$ Net ${ }^{56}$
(R) Recessed receptacle with double contact bayonet socket. Top mounting.
13 H3401 Shpg. wt., 302. $\qquad$ Net 59
(S) Double contact bayonet candelabra socket 13 H 3402 Shpg. Wt., 302. $\qquad$ Net 1.49
(S) Single contact bayonet candelabra socket 13 H 3403 Shpg. wt., $3 \mathbf{0 z}$.

## Automatic Timers and Circuit Breakers

# PARAG ON COMBINATION PHOTOCONTROL AND AUTOMATIC TIMER 

- Photocell Turns Lights on - Turns Appliances On and at Dusk
- Timer Lets You Select Off Time

Photo-electric and automatic timing mechanism you use separately or together. Buitt-in photocell furns on lights. timer will turn them off at a pre-setected time. Select evening lighting, morning lighting, evening and morning lighting, or dusk-to-dawn IIghting. Skip a pre-set Off Without Use of schedule or return to it with the flick of
 the knob-no need to reset the dial. A dise 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 $476^{\prime \prime} \times 43 /{ }^{\prime \prime} \mathrm{x}$ $27 / 4^{\prime \prime}$. Shpg. wt., 12 lbs.
13 H 1750

## PARACON* 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 sefting of two hours. Has manual trlp lever. 24-hour dial is divided into 30 minute segments for easy, accurate setting. Fits over a U.S. standard single gang handy bor. Size: $41 / 2^{\prime \prime H} 21 / /^{\prime} W x 31 / /^{\prime \prime} D$. Capacity: 15 amp. non-ind., $1800 \mathrm{~W}, 1$ HP. 12 amps., fulf load. For $120 \mathrm{v} ., 60$ cycles. UL and CSA Listed. 13 H 1751 Shpg. wi., $11 / 2 \mathrm{lbs} . . . . . . . . N e t ~ .95$


## FLUSH MOUNTED INTERVAL TIMERS

- All Electric Timer Fits Single Gang Outlet Box
This manually pre-set sillent synchronous motor driven interval timer can be used for attic and exhaust fans, yard lights, and other applications. Flush-mounted, fits W.S. single standard outlet box. Ivory moided wall plate, gold finished dial plate with black numerals. gold knob. $41 / 2 x$
 234x'Kı". Shpg. Wt., $3 / 4$ lbs.

| Slock Ne. | Model | Range | Net |
| :---: | :---: | :---: | :---: |
| $13 H 1752$ | FA51 | $0-20$ Hour | 6.95 |
| $12 H 1753$ | FF15 | $0-15$ Minute | 6.95 |
| 13 H 1754 | FF51 | $0-60$ Minute | 6.95 |

## TELECHRON TIMER SWITCH

Turn on any Appliance up to 1650 watts. Genuine Telechron mechanism. Complete 12 hour movement. Can be set to turn on any radio, TV or similar electrical apoliance at any preset time. Gold finish dialblack lettering. Timer sets from rear, On-off-auto switch in front. Size $31 / z^{\prime \prime}$ square. $13 / 4^{\prime \prime}$ deep. Set shaft extends $51 / z^{\prime \prime}$ to rear. SPST switch, rated 15 amps at 115 volts. For $110-120 \mathrm{~V}, 60 \mathrm{cy}$. AC only. Shpg, wt., 2 lbs.
13 H 4408 - $-\quad-\quad-\quad$ Net 3.95


## LAFAYETTE TV TIMER CONTROL



Now you can fall asleep while $T$ is still on! No need to wake up and turn it off ...t the new TV Timer Control turns off your TV set automatically. Simply plus the TV into the Timer Controf. and the Timer Control into the wall outlet. Then turn the dial to choose the automatic "turn-off" time ... from 5 minutes to one hour. The 500 -watt capacity makes it ideal for use with mast other household appliances-radio, hi-fi, tape recorder, lamp, patio light, electric blanket. heating pad, hair dryer, etc. With $\mathbf{1 5}^{\circ}$ cord. imported. Shpg. wt., $1 / 2$ b. 99 H 8079

Net 4.95

## SWISS POCKET TIMER

Set It and Forget It

- Buzzes at Any Pre-Set Time up to 120 Minutes

Avoid parking tickets, late apoointments, etc. Also use as a timer on phone calls, cooking, photography, etc. The $\mathbf{1 2 0}$-minute dial is marked 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. $1 / 4 \mathrm{lb}$.
13 H3111L
Net 3.95

## INTERMATIC TIMING MOTOR

Self-starting synchronous motor with lifetime lubrication. Geared to 4 clochwise revolutions per hour. Will retain constant speed even under line voltage variations of $25 \%$. Torque load 5 oz . in. maximum. Shaft $1 / 3$ "Lx $x_{3} 3^{\prime \prime}$ dia. For $110-120$ volt 60 cycle AC. Shpg. wt. 902.
13 H 2724 Intermatic W-160
Net 2.99


## TELECHRON TIMER SWITCH

- Simple installation
- 1650 Watts

Automatically turns on radios-TV sets-etc -at any preset time in a 12 hour period "Sleep-Switch" allows up 1060 minutes of continuous run prior to "shut-off." Built in signal alarm. All controis on front. On-offauto. 0 to 60 sleep switch. alarm set and time set. Gold finish dial-black lettering. $31 / 2^{\prime \prime}$ square bezel. $11 / 4^{\prime \prime}$ deep. SPST rated 15 amps at 115 volts, 1650 watt load capacity. For $110-120 \mathrm{~V}$. 60 cy . AC only, Shpa. wt. 2 lbs.
13 H 440
Net 5.40



Exact replacement circuit breakers for television and industrial applications. Button must be pressed to reset. Tripping mechanism is tem. perature compensating for constant protection. Normal tripping time is 10 seconds or less. All values above 3.1 amps have special heavy-duty contacts to withstand heavy surge currents. Twist tab mounting lugs. Adapter for bushing mount listed below,

| Stock Mo. | Mirs. Type | 8reak Curt. Amps | Oper. Curr. Amp: | Surge Curr. Amps | Net <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1460 | C8T050 | 0.5 | 0.325 | 2 | . 61 |
| 33 H 1461 | CBT075 | 0.75 | 0.49 | 3 | . 81 |
| 33 H 1462 | CBT100 | 1.0 | 0.65 | 5 | . 81 |
| 33 H 1463 | CBT 150 | 1.5 | 0.975 | 12 | . 81 |
| 33 H 1464 | C8T175 | 1.75 | 1.14 | 12 | . 81 |
| 33 H 1465 | CBT200 | 2.0 | 1.3 | 12 | . 81 |
| 33 H 1466 | C8T225 | 2.25 | 1.46 | 12 | . 81 |
| 33 H 1467 | C8T250 | 2.5 | 1.63 | 12 | 11 |
| 33 H 1468 | CBT275 | 2.75 | 1.79 | 12 | . 81 |
| 33 H 1469 | CBT300 | 3.0 | 1.95 | 12 | . 81 |
| 33 H 1470 | CBT310 | 3.1 | 2.1 | 25 | . 88 |
| 33 H 1471 | C8T325 | 3.25 | 2.11 | 25 | . 88 |
| 33 H 1472 | C8T350 | 3.5 | 2.2 | 25 | . 88 |
| 33 H 1473 | C8T375 | 3.75 | 2.44 | 25 | . 88 |
| 33 H 1474 | C87400 | 4.0 | 2.6 | 25 | . 88 |
| 33 W 1475 | CBT450 | 4.5 | 2.92 | 25 | . 68 |
| 33 H 1476 | CBT 500 | 5.0 | 3.25 | 25 | . 88 |
| 33 H 1477 | CBT600 | 6.0 | 3.9 | 25 | . 18 |
| 33 H 1478 | CBT700 | 7.0 | 4.14 | 25 | . 88 |
| Type CB8 adapter for bushing mount. Bushing $3 / \mathbf{n}^{\prime \prime}-32 \times 1 / 4^{\prime \prime}$ with nut. <br> 33 H 1479 |  |  |  |  |  |

MINI BREAKER
As LOW As
$99^{c}$


- UL Listed-Not A Fuse-

A True Circuit Breaker

- Don't Replace-Just Reset

Complete circuit protection-fits in standard edison base fuse receptacle! Trips instantly on overload. Never needs replacing-just reset! Shpg. wt. $20 z$.

| Stock No. | amps | Net Each |
| :--- | :---: | ---: |
| 12 H 7001 | 5 | 1.15 |
| 12 H 7002 | 10 | .99 |
| 12 n 7003 | 15 | .99 |
| 12 H 7004 | 20 | .99 |
| 12 H 7005 | 30 | .99 |

$12 H 7004$
$12 H 7005$
30

# Sutermaticic Time Controls-Clock Timers 

## INTERMATIC TIMERS MODEL A911-6 TIME-ALL

Makes practically everything electrical completely automatic. Will handle loads up to 1875 watts. Turns radio on and off-does not have to be reset each night. Defrosts refrigerator-turns IIghts 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 receptacle for equipment to be controlled. U/L Llsted. For 110 volt 60 cycle $A C$ only. Complete with 6 ft . cord and plug. Instructions included. $5 \times 4 \times 21 / 2 "$ Shpg. wt., 2 lbs.
13 H 2730
Net 9.71
MODEL A921.7 TIME.ALL SImilar to above except has capacity of 875 watts. Shpg. Wt., 2 ibs .
13 H 2731
Net 8.95

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. Speclal alloy "T." plaskon case $4 y / 4 W \times 41 / 2 H \times 21 / 4 \% \mathrm{D}$. 6 ft . cord. For 110 V cycle $\mathbf{A C}$. U/L Listed. Shpg. wt. 3 lbs.
13 H 2717
Net 8.96

## TYPE C-8301-S CYCLER TIMER

Up to 12 sets of ON.OFF trippers provide re. peated operations. ON operations may range from 10 sec . to 11 min ., 10 sec .; OfF from 50 sec . to 11 min . 50 sec . Dlal makes complete revolution every 12 minutes. Ideal for ventilating fans, pumps, process limings. etc. SPST. rated at 15 amp . For $110-125 \mathrm{v}$. 60 cycle AC. U/L Listed. Case $61 / 2 \times 5 \times 3^{\circ}$ with 2 comb knockouts on bottom. Shpg. wt., $21 / 2$ lbs.
13 H 2718
Net 11.02
EXTRA SET ON-OFF TRIPPERS FOR C.8301.S 13 H 2719 Shpg. wt., 2 02. ..........Net . 47

## PROGRAM TIMERS <br> 1.96 OPERATIONS <br> EVERY 24 HOURS

TYPE T1905. Designed for applications requiring 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 -hour period. Minimum "ON" or "OFF" perlod is 15 minutes; maximum is 23 hours 45 minutes. Ideal for control of heating, alr-conditioning, ventilating, etc. Has SPDT switch. Contacts rated to handle 20 amps at 125 volts. For $105-125 \mathrm{~V}$; 60 Cycle AC. UL Listed. $73 / 4 \times 5 \times 3^{\prime \prime}$. Shpg. wt., 4 tbs. 13 H 2713

Net 20.12
TYPE T1975. Same as T1905 above, but has "Sklpper" feature for omitting operations on selected days. Shpg. wt., 4 lbs.
13 H 2736
Net ea. 23.37
TYPE T1971. Portable Plug-in version of Type 1975. Contacts rated 10 amps at 125 volts 60 cycle AC. Shpg. wt., 6 lbs. 13 H 2714

Net 25.32


## TYPE T101 TIME SWITCH

Turns equipment "on" and "off" once in 24 hours, or from 1-12 "on" and "off" operations 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 turned 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 cycle AC. $73 / 4 L \times 5 W \times 3^{\circ} \mathrm{D}$. Shpg. wt., 4 Ibs.

13 H 2702
Net 9.07
TYPE P101. Similar to T101 except but with 6 ft . cord set and receptacle. Capacity 1250 watts. Shpg. wt., 4 lbs.
13 H 2703
Net 10.37
TYPE P101.300, Same as P101 but with 3 wire cord set and receptacle. Recommended for Air Conditioners.

## 13 H 2729

Net ea. 11.02

## 7 DAY PROGRAM TIMER

Provides a different program each day of the weele, with up to 4 on-off operations per day. 3 -hour minimum between opera. tions. 4PST rated 20 amps. per pole. 110. $125 v 60$ cycles AC. Steel case, $107 / 877$ mx $35 / 8^{\prime \prime}$. Grey finish. $1 / 2^{\prime \prime} \cdot 3 / 4^{" \prime}$ knockouts. 7 sets of trippers. U/L Listed. Shpg. wt., 61/4 lbs. 13 H 2733 Type V26001 ........ Net ea. 21.09 TYPE V26003. As above, but 4P: 2NO-2NC. Rated 40 amps. per pole.
13 H 2734
Net ea. 21.09 Set ON,OFF (1 ea.) trippers for either above. 13 H 2735

## TYPE T185 TIME SWITCH

For applications where multiple "on-off" cycles of 5 to 60 minutes are required in a 24 hr . period. A minute selector on each specially designed tripper sets the number of minutes, ( 5 to 60), the "on-off" cycle will operate. Up to 12 combinations can be used at the same time. Minimum interval between start of each cycle. $13 / 4 \mathrm{hrs}$. rated 40 amps . 4375 watts, 125 volts, AC. $73 / 4 \times 5 \times 3^{\circ}$. With 3 trippers (for 2 "on-off" cycles). For $110-125$ volts, 60 cycles AC. U/L Listed. Shpg. wt., 4 lbs.
13 H 2704
Net 12.97
Extra Trippers for above. One Tripper for each additional "on-off" cycle. Wt. 4 02. 13 H 2705

Net 1.27

## "SKIPPER'" 3 CIRCUIT SPRINKLER TIMER

The Intermatic lawn sprinkling system time controls permit completely automatic preprogrammed watering of up to 3 zones. A 24 hour time dial can be set to inftiate sprinkling any time during the day while skipper wheels serve to eliminate watering on selected days. Time durations per area are adjustable from 5 to 60 minutes. May be manually operated. Both models are rated at 120 volts. 60 cycle, 5 amps. Gray hammertone case measuring $73 / 4 \times 5 \times 3^{\prime \prime}$. U/L Listed. Shpg. wt., 3 lbs.
13 H 27257 day
Net 15.57
13 H 272612 day
Net 15.57

## TYPE T171

## "SKIPPER" TIME SWITCH

Automatically turns equipment on of off skips operations on any selected days. Ideal where offices or factories are closed on Saturdays, Sundays or Holidays. Turns "on and off" once every 24 hours with single set of trippers supplied, but up to 11 on and off operations can be had by adding extra trippers below. With 3 shipping screws; more can be added. I cut out tripper advances day dial automatically. Min. on or off time 1 hour, maximum 23 hours. Cap. 4000 watts. $73 / 4 \times 5 \times 3^{\prime \prime \prime}$. U/L Listed. Shpg. wt., 4 Ibs. For $110-120 \mathrm{~V} 60$ cycle AC, SPST - Skips "ON" Operation.
13 H 2706 ...................................... Net 12.32
Type T175-SPOT. Opens one circuit and closes another. Skips elther "ON" or "OfF" operation.
13 H 2707
Net 13.62
Type P171-Portable Plug-in version of Type T171. Capacity 1250 watts (contacts 10 amps). Shpg. wt., 6 lbs.
13 H 2708
Net 13.62

## SWITCH ACCESSORIES

TRIPPERS-Set of ON-OFF units (one for each) for all models except T185, C8301S, T1905, P1971, T1975 and Sprinkler Timer. Shpg. wt., 202.
13 H 2709 per set
Net ${ }^{33}$
COMB. ON-CUTOUT TRIPPER. For "Skipper" types only.
13 H 2710 Shpg. wt., 2 oz. .............Net . 33 SKIPPING SCREW. For "Skipper" types only. 13 H 2711 Shpg. wt. 2 oz. ...........Net . 05

# LAFAYETIE 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 nigh. Defrosts refrigerator, controls roaster. electric blanket, fans, coffee mathers, phonoeraphs, etc. Turns your home lights on and off automatically whlle you're away. Repeats cycle every 24 hours- no need to reset. Min. imum ON time 15 minutes, maximum ON 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 I year without charge. Simply ship timer to Lafayette prepaid. $5 W \times 4 H \times 21 / 2^{\prime \prime} \mathrm{D}$. For 110 V 60 cycles AC. Shipe. wh. 2 lbs. UL/CSA listed.
13 H 0140
Net ea. 7.95


## TIMED EXTENSION CORD $5^{21}$ <br> - A Time Switch - Extension Cord -3 Way Outlet <br> 

A 3-way combination for every home-an automatic time switeh. extension cord, convenient outiot. 0-4 hour time cycle. Easy to op-erate-plug it into any wall outlet. connect one. two or three devices to be controlled, and turn the knob to the time period desired. At the end of this time period, the electricity is turned off automatically. 6 -foot cord. Shpg. wt., 1 ib. 13 M 8501

Net 5.21
5-HOUR "RINGER TIMER" $4^{95}$

- 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, Rold 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. we.. 1 tb. 13 H 1350


## RHODES MARK-TIME SWITCHES

## (A) APPLIANCE MINOER

Add new space to the new or remodeled klithen. . . more time for the harried house. wife. Simply plug in the coffee-maker, rotisserie. electric trying pan, etc. $i$ i set the timer up to 12 hours ahead.... iet the appli. ance minder do the rest. Easily installed in a 4 -gang wall box-or surface mounted. Contains two timed outiets (one turns "on," the other turns "off") and two regular outlets. Allows advance planning of meals-RO out and roturn home hours later to a cooked meal. Rated at 15 amps- 125 volts AC. UL listed. Shpg. wt., $11 / 2 \mathrm{lbs}$.
13 H sil

## (D) BUILT-IN INDUSTRIAL TIME SWITCH

Easily panel mounted or installed in a $4^{\prime \prime}$ octagon switeh 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" troe operation. Rated at 20 amps. $125 \mathrm{~V} / 240 \mathrm{~V}$ AC. UL and CSA listed. 1 lb .
13 M 350715 min . $13 \mathrm{H} 350 \mathrm{a} 30 \mathrm{~m} / \mathrm{m}$. 13 H 251060 min .

Net 6.38 - Net 8.38 ADAPTER FOR 4" Octazon Switch Boz 13 H 8509

Net 30

## (E) 2-SPEED PRECISION TIMER

- For Precise 1 Second To 1 Hour Timing In The Home, Office and Laboratory

Indispensable for timing precise, short operations such as boilling egss, pressure cooking. heat and sun lamp treatment, home perman. ents, photo developing and printing. long distance calts, atc. Times up to 6 minutes in seconds and up to 1 hour in minutes. Exelusive 2-speed feature permits instant timing speed change by fiek of lever. A bell sounds at ond of timing period. Smartly styled in white with dial face sich copper tone. $4 \times 23^{\circ}$. Shpg. wt., $11 / 2 \mathrm{lbs}$.
13 M 8505 Modet 2130
Net 5.21

## (F) UTILITY HOUSEHOLO TIMER

This reliable. low-priced timer in nat durable white plastic case has innumerable househoid timing uses. I.e., cooking. batking, home permanonts, games. remembering appointments. TV and radio progrems, atc. Times any interval up to one hour accurately and zives resonant bell signal at end of period. $31 / 2 x$ $3 \times 1 / 2^{\circ}$. Shpe . wt. $3 / 4 / \mathrm{lb}$.
I3 M asoc Model' 29001.
Net 2.96 off" switch when timing is unnecessary. Rated 10 amps- 125 volts-A.C. UL and CsA listed. Shpg. wf.. 1 lb .
13 M 8504 Model 78174
Net $\mathbf{7 . 1 3}$


B


E


# Littelfuse Safety Devices 

## TYPE 3AG STANDARD FUSES

Series 312000 . Quick acting for low time-lag applications such as amplifiers-auto radios, U.L. Iisted. $11 / 4 L x y / a^{\prime \prime}$ diam. All rated 250 volt except 8 amp is 125V. 5 fuses per pkg. Shpg. wt., 6 oz.

| Stock No. | Amps | $\begin{aligned} & \text { Per } 20 \frac{1}{4} \text { up } \\ & \text { Pkg Per Pkg } \end{aligned}$ |  | Stock No. | Amps | Per 20 \&up Phg. Per Phg |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 1001 | 1/100 | 1.92 | 1.60 | 13 H 1013 |  |  | 25 |
| 13 H 1002 | 1/22 | 1.68 | 1.40 | 13 H 1014 13 H 1015 | $2_{2}^{11 / 2}$ |  |  |
| $\begin{aligned} & 13 \mathrm{H} 1003 \\ & 13 \mathrm{H} 1004 \\ & 13 \mathrm{H} 1005 \\ & 13 \mathrm{H} 1006 \\ & 13 \mathrm{H} 1007 \end{aligned}$ | $\begin{aligned} & 1 / 6 \\ & 1 / 6 \\ & 15 \\ & 175 \end{aligned}$ K. | . 75 | . 63 | 13 H 1016 | 2 | . 28 | . 24 |
| 13 H 1008 13 H 1009 | $1 / 4$ $3 / 10$ |  |  | 13 <br> 13 <br> 13 <br> H | 4 | 39 | . 33 |
| 13 H 1010 | 3/4 |  | 43 | 13 H 1019 |  |  |  |
| 13 H 1011 |  |  |  | 13 H 1020 | 8 | . 60 | . 50 |

## 3AG STANDARD PIGTAIL FUSES

Series 318000 . 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. $11 / 4 \mathrm{x} 1 / \mathrm{a}^{"}$ diam, pigtalis $11 / 2^{" *}$ "20 tinned copper wire, 5 fuses per pig. Shipg. wt., 6 oz.

| $\frac{\text { Stock No. }}{13 H 1148}$ | Amps | Per 20 \& up Pkg, Per Phg. |  | Stock No. | Amps | $\begin{aligned} & \text { Per } \\ & \text { Pkg. } \end{aligned}$ | 4 T1 Pk |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Kı | 1.32 | 1.10 | 13 H 1154 11/2 $\begin{array}{llll}13 & H & 1155 & 2 \\ 13 & H & 1156 & 3\end{array}$ 13 H 1156 |  | . 60 | . 50 |
|  |  |  |  |  |  |  |  |
| 13 H 1149 | 1/8 | .99 | . 83 |  |  |  |  |
| 13 H 1150 | 1/4 |  |  |  |  |  |  |
| 13 H 1151 | 3/4 | 75 | . 63 | 13 H 1157 | 4 | 3 | 53 |
| 13 H 1152 | 3/4 | 60 | 50 | 13 13 13 1158 |  |  | 53 |

## LIMITED CURRENT FUSES

Series 332000 . Exact TV replacements. Fuses match hoiders for specific size ranges. Rated 250 volt through 6 amps and 125 voil above 7 amps, 5 fuses per phg. Shpg. wt., 6 oz.

| Stock No. Amps | $\begin{array}{ll} \text { Per } 2 \\ \text { PkR. Pi } \\ \hline \end{array}$ | 2 up Plat. | Stock No. | Amps | $\begin{aligned} & \text { Per } \\ & \text { Pkg. } \end{aligned}$ | $\begin{aligned} & \mathrm{Lup} \\ & \text { PKg. } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 1082 1/2 | 1.62 | 1.35 | 13 H 1095 |  |  |  |
| 13 H 1083 Ko | 1.05 | . 88 | $13 \text { H } 1096$ |  |  | 30 |
| 13 H 1084 \% | . 81 | . 68 | $\begin{aligned} & 13 \text { H } 1097 \\ & 13 \text { H } 1098 \end{aligned}$ | $3^{21 / 2}$ |  |  |
| 13 H 1086 |  |  | 13 H 1099 |  |  |  |
| 13 H $10873 / 10$ |  |  | 13 H 1101 |  |  |  |
| 13 H $10884 / 10$ | . 63 | . 53 | 13 H 1102 | 5 | 45 | . 38 |
| 13 H $10893 \%$ |  |  | 13 H 1103 | 6 |  |  |
| 13 H 1090 1/2/ |  |  | 13 H 1104 |  |  |  |
| 13 H 1092 ! | . 36 | . 30 | 13 H 1105 | 8 | 6 | 5 |
| $\begin{aligned} & 13 \\ & 13\end{aligned} 109311 / 4$ |  |  |  |  | 69 | 58 |

## 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 pkg. Shpg. wt.. 6 or.

| Stock No. | Amps | $\begin{aligned} & \text { Per } 20 \\ & \text { Pkg. Pe } \end{aligned}$ | $\begin{aligned} & \text { \& up } \\ & \text { Pkg. } \end{aligned}$ | Stock No. | Amps | $\begin{aligned} & \text { Per } \\ & \text { Phg } \end{aligned}$ | Phg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 1107 | 1/100 |  | 28 | 13 H 1120 |  | 1.11 | .93 |
| 13 H 1108 | $1 / 12$ | 1.53 | 28 | $13 \text { H } 1121$ | $14 / 4$ |  |  |
| 13 H 1109 | Kı |  |  | 13 H 1122 | $1.6 / 10$ | 99 | 83 |
| 13 H 1110 | $1 / 10$ |  |  | 13 H 1123 | $13 / 4$ | 99 | . 83 |
| 13 H 1111 | . 15 |  |  | 13 H 1124 | 2 |  |  |
| 13 H 1112 | 2/10 | 1.11 | . 93 | 13 H 1125 |  |  |  |
| 13 H 1113 | $1 / 4$ |  |  | 13 H 1126 | 2-8/10 | 93 | 78 |
| 13 H 1114 | 3/10 |  |  | 13 H 1127 | $3 \cdot 2 / 10$ | 93 | 78 |
| 13 H 1115 | 4/10 |  |  | 13 H 1128 | $31 / 2$ |  |  |
| 13H1116 |  |  |  | 13 H 1129 | 5 |  |  |
|  | ${ }_{3 / 4}^{6 / 10}$ | 1.11 | .93 | 13 13 13 11130 |  | . 93 | . 78 |
| 13 H 1119 | 8/10 |  |  | 13 13 H 1132 |  |  |  |

## AUTO FUSE ASSORTMENT



13 H 1174

Universal auto fuse assortment easily stored in glove compartment for emergency use Fuses for radio, heater. lights. cigar lighter, air conditioner, windshield wipers etc. pack. ed in plastic case, 9 fuses. Assorted value. Shpg. wt., 2 ozs.

Universal auto fuse retainer. Holds fuses with spring toaded action Just attach wires into circuit and load with a fuse. 13 H 1175 Shpg. wt., 2 ozs.

Net . 3

## 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 ple. $1 \mathrm{H} / \mathrm{L} \times 1 / \mathrm{A}^{\mathrm{m}}$ diam Shpg, wt., 602.

| Stock No. Amps | $\text { Per } 20 \& u p$ Pkg. Per Phe | Stock No, mps | $\begin{aligned} & \text { Per } \\ & \text { Ply. } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 13 W 1021 1/100 | 41.20 | 13 H 1039 ! | 1.05 | . 88 |
| $13 \mathrm{H} 1022 \mathrm{~K}_{2}$ | 20 | $13 \mathrm{H} 104011 / 4$ |  |  |
| 13 H 1023 Kı | 05.88 | 13 H $104111 / 2$ |  |  |
| 13 H $10241 / 10$ | 1.05 .88 | 13 H 1042 l-6/10 | 99 | . 83 |
| 13 H 1025 \% |  | 13 H 10432 |  |  |
| 13 H 1026.15 |  | 13 H $1044{ }^{21 / 2}$ |  |  |
| 13 H 1027.175 |  | 13 H 10453 |  |  |
| $13 \mathrm{H} 1028 \mathrm{~K}_{6}$ | 1.05 . 88 | 13 H 10463.2 | . 75 | . 63 |
| 13 H 10292,10 | 1.05 .88 | $13 \text { н } 10474$ |  |  |
| 13 H $10301 / 4$ 13 H $10313 / 10$ |  | $\begin{aligned} & 13 \text { H } 10485 \\ & 13 \text { H } 104961 / 4 \end{aligned}$ |  |  |
| 13 H 1032 3/4 | 88 | 13 H 10507 |  |  |
| 13 H $10334 / 10$ | 1.05 . 08 | 13 H 10518 | 75 | . 63 |
| 13 H 1034 1/2 |  | 13 H 105210 |  |  |
| 13 H $10356 / 10$ |  | 13 H 105315 |  |  |
| $13 \text { н } 10367 / 10$ | 1.05 . 88 | 13 H 105420 |  |  |
| 13 H 1037 \%/4 13 H 1038 8/10 | 1.05 . 88 | $\begin{array}{llll} 13 & H & 1055 & 25 \\ 13 & H & 1056 & 30 \end{array}$ | . 75 | 63 |

## 3AG SLOW BLOW PIGTAIL FUSES

Series 315000. Widely used in TV receivers. Designed to withstand heavy surges and instantaneous peaks yet quick acting under short circuit. All rated 125 Volt. UL $\|$ isted, through $3.2 \mathrm{amp} .1 \mathrm{~K} / \mathrm{Lx}^{2} / \mathrm{a}^{\prime \prime}$ diam., pigtails $11_{2} 2^{\prime \prime}=20$ tinned copper wire. 5 fuses per. pkg. Shpg. wt., 6 oz.


## TYPE 8AG INSTRUMENT FUSES

Series 361000 . Designed ior high-speed action to protect delicate electrical equipment. All rated at 250 volts, except 5 amp rated 32 volt. 5 fuses per phg. 1 Lxye" diam. Shpg. wt., 6 oz .

| Stock No. | Amps | $\begin{aligned} & \text { Per } \\ & \text { PKg. } \end{aligned}$ | 208 up Per Phg. | Stock No. | Amps | Per Phe. | $\begin{aligned} & 2 \text { up } \\ & \text { Phg } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 1133 | 1/500 | 5.16 | 4.30 | 13 H 1141 | $3 / 2$ |  |  |
| 13 H 1134 | 1/200 | 2.16 | 1.80 | 13 H 1142 | 1/4 |  |  |
| 13 H 1135 | $1 / 100$ | 1.92 | 1.60 | 13 H 1143 |  |  |  |
| 13 H 1136 | 1/32 | 1.65 | 1.40 | 13 H 1144 | $11 / 2$ |  |  |
| 13 H 1137 | 1/16 | 1.05 | 8 | 13 H 1145 |  | . 33 | 28 |
| 13 H 1138 | 1/8 | . 75 | 63 | 13 H 1146 |  |  |  |
| 13 H 1139 | $1 / 4$ $3 / 8$ i | . 51 | 43 | 13 W 1147 |  |  |  |

## 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 amps 125 volt. $11 / 4 \mathrm{~L} \times 1 / 4^{\prime \prime}$ Dia. 5 fuses per phe. Shpg. wt., 602.

| Stock No. | Amps | $\begin{aligned} & \text { Per } \\ & \text { PKg. } \end{aligned}$ | 202 up Per Pkg. | Stock Ne. | Amps | $\begin{aligned} & \text { Per }{ }^{2} \\ & \text { Phg. } \end{aligned}$ | $\begin{aligned} & 8 \mathrm{up} \\ & \mathrm{r} \text { Pht } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 1160 | 1 | ) 60 |  | 13 M 1165 | 10 | . 63 | 53 |
| 13 H 1161 | 2 | . 66 | . 55 | 13 H 1166 | 12 |  |  |
| 13 H 1162 | 3 | $)$ |  | 13 H 1167 | 15 | .66 | 55 |
|  | 5 |  |  | 13 H 1168 | 20 |  |  |
| $13 \mathrm{H} 1164$ | 8 |  | 5 | 13 H 1169 | 30 | 1 | 68 |

## PLUG FUSES

UL listed. Wt., 6 oz. PER BOX OF 5


13 H 1170-10 amperes
13 H 1171-15 amperes
13 H 1172-20 amperes
.36
13 H 1173-30 amperes

# Fuses and Fuse Holders SUBMINIATURE PICOFUSES 

Series 275000 . For computer, micro.electronic and aerospace circults of 125 V ., or less, where shor-circuit currents as high as 300 amps may occur. Ceramic body. Only $7 / 32^{*}$ long $\times 5 / 64^{*}$ dia. Axial tin coated copper leads. 5 fuses per phg. Shpg. wt., 202.

| Stock No. | Amps | Per Plot | $\begin{aligned} & 20 \text { \& up } \\ & \text { Per Plke. } \end{aligned}$ | Stock No. | Amps |  | 20 \& up Per Phg. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 1239 | $1 / 8)$ |  |  | 13 H $124511 / 2$ ) |  |  |  |
| 13 H 1240 | $\begin{array}{lll}1 / 4 \\ 3 / 8 & 2.13 & 1.78\end{array}$ |  |  | 131313 1246 |  | $1.86 \quad 1.55$ |  |
| 13 H 1241 |  |  |  |  |  |  |  |
| 13 M 1242 | 1/2 |  |  | .13 H 1248 |  | ) |  |
| 13 H 1243 | 3/4 | 1.86 | 1.55 | 13 M 12 | 495 |  |  |

## LITTELFUSE EUROPEAN EQUIPMENT FUSES

Used in European instruments, tape recorders, Radios, Mi-Fi equipment and Hickok test equipment, $5 \times 20 \mathrm{~mm}$. Rated at 250 V . 5 fuses per pkg. Shgg. wt., 6 oz.

|  | Per $20 \&$ up |
| :--- | :--- | :--- | :--- | :--- |
| Stock No. Amps Pkg. Per Phg. | Stoch No. Amps Phg. Per Phg. |


${ }^{M}$

## LITTELFUSE MOUNTINGS AND EXTRACTOR POSTS

mounts and fuse holders for every application. *Includes fuse. AVE. shpg. WL. 3 ar.

| Stock No. | Fig. | For Fuses | Description | Net Es. |
| :---: | :---: | :---: | :---: | :---: |
| 13 H 1176 | A | 3AG, 3AB | Panel mount, screw |  |
| 13 H 1177 | B | 3AG, 3AB | Panel mount. finger knob | 50 |
| 13 H 1178 | A | BAG | Panel mount, screw slot |  |
| 13 H 1179 | B | 8AG | Panel mount, finger knob |  |
| 13 H 1180 | C | 3AG, 3AB | Single fuse, lug terminal | 16 |
| 13 H 1181 | C | 8AG | Single fuse, lug terminal |  |
| 13 H 1182 | C | 3AG. 3AB | Single fuse, screw terminal | 34 |
| 13 H 1183 | 0 | 3AG. 3AB | Double fuse, lug terminal | 32 |
| 13 H 1184 | 0 | 8AG | Double fuse. fug terminal | 32 |
| 13 M 1185 | E | 8AG | Meter-back mts. | . 32 |
| 13 H 1186 | F | 8AG | Below panel mig. | . 48 |
| 13 H 1187 | F | 3AG, 3AB | Below panel mig. | . 48 |
| 13 H 1188 | $6^{*}$ | SFE(9A) | Auto inline fuse retainer | . 37 |
| 13 H 1189 | G* | SFE(14A) | Auto indine fuse retainer | . 37 |
| 13 N 1190 | G* | SFE(20A) | Auto inline fuse retainer | . 37 |

## MINIATURE 3AG FUSE EXTRACTOR POSTS

Shortest 3AG fuse posts. Test post hole in knobs. UL listed. $80 d y$ and knob meet MIL.P. 14 F type CFG. Rated at 15 amps, 250 volts. Fig. J, $K$ has straight bottom terminals, behind panel length $111 / 3$. Fig. L', M has right angle bottom terminal behind panel length $11 / 4 \mathrm{a}^{-}$. Fig. J. L has knurled knobs. Fig. K, $M$ has fluted knobs. Shpg. wt, 3 oz.

## BUSS FOREIGN CAR FUSES

Replacement glass fuses for porcelain body fuses used in Volks. wagen, Mercedes-Benz, Opel, Porsche, Saab, Volvo, Renault ('64 \& later), Flat and others. All $1 / 4^{\prime \prime}$ dia. ' $31 / 32$ except $1 / 4^{-}$dia. $x$ 21/32. 5 tuses per phg. Shpg, wt., 602.

| Stock No. Amps | Per Pkg. | Stock No. Amps | Per Pkg. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 6210 | 8 |  | 13 N 6213 | 25 | .23 |
| $13 H 6211$ | 15 | .23 | 13 H $6214 \%$ | 25 | 28 |
| 13 H 6212 | 16 |  |  | 28 |  |



## SNAP-ON FUSE HOLDER

## 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 guard against over fusing. For Buss specify SFE. All $1 / 4^{\prime \prime}$ Oiam. 5 fuses per phe Shpg. wt., 60 z .

| Stock No. | Amps. | Per Plig. | 202 up Par Phe. |
| :---: | :---: | :---: | :---: |
| 13 H 1226 13 H 1227 | 4 | . 23 | .19 |
| 13 H 1228 13 H 1229 | $\begin{aligned} & 7.5 \\ & 9 \end{aligned}$ | 20 | . 17 |
| 13 H 1230 $13 H 1231$ | $\begin{aligned} & 14 \\ & 20 \end{aligned}$ | . 18 | . 15 |
| 13 H 1232 | 30 | 23 | . 19 |


| stack No. | $\begin{gathered} \mathrm{Mig} \\ \mathrm{Mo} . \end{gathered}$ | Fig. | 1.99 | $\begin{aligned} & \text { MET EACH } \\ & 100.499 \end{aligned}$ | 500 Up |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 13 \text { K } 1191 \\ & 13 \text { H } 1192 \\ & \hline \end{aligned}$ | $\begin{aligned} & 342012 \\ & 342014 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{j} \\ & k \end{aligned}$ | 37 | . 31 | 248 |
| $\begin{array}{ll} 13 & 11193 \\ 13 & H \end{array} 1194$ | $\begin{aligned} & 342022 \\ & 342004 \end{aligned}$ | $\frac{M}{M}$ | 42 | 35 | . 28 |



## 3AG INDICATING FUSE POSTS

Series 344000 . Fuse holder with foolproof neon indicator that lights when the fuse blows. Mounts in s" Diameter " $D$ " hole with an overall length of $2 \% \mathrm{~m}^{\text {" }}$ 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. | Mir. Ne. | Volts | 1.99Net Each <br> $100-499$ |  | 500 Up |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 N 1195 | 344006 | $2.5 \cdot 7$ |  |  |  |
| 13 H 1196 | 344012 | 7.16 | 2.50 | 203 | 1.66 |
| 13 H 1197 | 344024 | 16.32 |  |  |  |
| 13 H 1198 | 344125 | $90-125$ | 1.52 | 1.27 | 1.02 |
| 13 H 1199 | 344250 | $200 \cdot 250$ | 2.52 | 127 | 1.02 |



Convenient methods for mounting fuses on equipment. radio, TV, instruments, etc. Fuses easily replaced. 6 or.
Contains boin a thermal cutout and fuse to withstand heavy starting surge currents yet protect on dangerous overloads or short circuits. For 125 V . Four fuses per phg. Shpg. wt., 502 . Der pkg.

| Stock No. | Buss | Rating Amp. | Per Pkg. | Stoch No. | Buss. | Rating Amp. | Per Plas. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 6206 13 H 6207 | $\begin{aligned} & \mathrm{T} \cdot 20 \\ & \mathrm{~T} .15 \end{aligned}$ | $\begin{aligned} & 20 \\ & 15 \end{aligned}$ | . 36 | $\begin{aligned} & 13 \text { C } 6208 \\ & 13 \text { C } 6209 \end{aligned}$ | $\begin{aligned} & \mathrm{T} .25 \\ & \mathrm{~T} .30 \end{aligned}$ | $\begin{aligned} & 25 \\ & 30 \end{aligned}$ | . 36 |


| Stoch No. | Buss | For | Net Ea. | Stock No. | Buss | For | a. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H6200 | HPC | 5AG | 3t | 13 H 6203 | HJM | 8AG | . 37 |
| 13 H6201 | HCM | 4AG | . 32 | 13 H 6204 | 4405 | 3AG | .16 |
| 13 H6202 | HKP | 3AG | . 37 | 13 H6205 | 4408 | 3AG | . 32 |

# Batteries-Burgess, Eveready, RCA, Mallory 



## MALLORY DURACELL

 MERCURY BATTERIESMercury batteries offer more power per unit of volume than any other type. Truly economical. Exceptionally long shelf life. Types with $T$ suffix have solder tabs. "have snap connections. Shipping welpht varies from 1 oz. to 12 oz. max.

| Stock No. | Type No. | Volts | Net Per Package |  |
| :---: | :---: | :---: | :---: | :---: |
| 32 H 4650 | RM1 | 1.4 | pkg. of 2 | 1.14 |
|  | RM1R | 1.35 |  | 1.28 |
| 32 H 4652 | RM3R | 1.35 | pkr. | 2.10 |
| 32 H 4653 | RM4R | 1.35 | pki | 2.62 |
|  |  |  |  |  |
| 32 H 465 |  |  |  |  |
| H 4656 | 422 | 1.35 |  |  |
| 32 H 4657 | RM312 | 1.4 | pkr. |  |
| 32 H 4658 | RM400R | 1.35 | of |  |
| 32 H 4659 | RM401 | 1.4 |  |  |
| 32 H 4660 | RM |  |  |  |
| 32 H 4661 | RM 502R | 1.35 | pkg. of 2 | 74 |
| 32 H 4662 | RM520 | 1.4 | pkg. of 2 |  |
| 32 H 4663 | RM601R | 1.35 | pkg. of 2 |  |
| 2 H | RM625 | 1.35 | kg. of |  |


| 32 H 4665 | RM625RT | 1.35 | pkg. of 2 | 1.16 |
| :---: | :---: | :---: | :---: | :---: |
| 32 H 4666 | RM630 | 1.4 | pkg. of 2 | 4 |
| 32 H 4667 | RM640 | 1.4 | pkg. of 2 | 84 |
| 32 H 4668 | RM675 | 1.4 | pkg. of 6 | 1.92 |
| 32 H 4669 | TR114R | 5.4 | Dkg. of 2 | 3.70 |
| 32 H 4670 | TA115R | 6.75 | pkg. of 2 | 4.12 |
| 32 H 4671 | TR126 | 8.4 | pkr. of 2 | 2.64 |
| 32 H 4672 | TR132R | 2.7 | pkg. of 2 | 2.34 |
| 32 H 4673 | TR133R | 4.05 | pkg. of 2 | 2.70 |
| 32 H 4674 | TR134R | 5.4 | pkg. of 2 | 3.44 |


| 32 H 467 | TR135R | 6.75 | Dkg. of 2 | 0 |
| :---: | :---: | :---: | :---: | :---: |
| 32 H 4676 | TR136 | 8.4 | pkg. of 2 | 4 |
| 32 H 4677 | TR146X* | 8.4 | pkg. of 2 | 4 |
| 32 H 4678 | TR163 | 4.2 | pkg. of 2 | 2.62 |
| 32 H 4679 | TR164 | 5.6 | pkg. of 2 | 2.64 |


| 32 H 4680 | TR165 | 7.0 | pkg. of 2 | 3.40 |
| :---: | :---: | :---: | :---: | :---: |
| 32 H 4681 | TR169 | 12.6 | Each | 3.50 |
| 32 H 4682 | TR175 | 7.0 | pkg. of 2 | 2.10 |
| 32 H 4683 | TR177* | 9.8 | pkr. of 2 | 2.64 |
| 32 H 4684 | TR233 | 4.2 | pkg. of 2 | 4.68 |
| 32 H 4685 (AA) ZM 9 |  | . 4 | pkg. of 2 | 1.28 |
| 32 H 4686 | 2M12 | 1.4 | pkg. of 2 | 1.84 |
| 32 H 4687 | PX. 1 | 1.35 | Each | . 66 |
| 32 H 4688 | Px13 | 1.35 | pkg. of 2 | 1.00 |
| 32 C 4747 | PX825 | 1.5 | pkt. of 4. | 1.32 |

SILVER OXIDE BATTERIES

| stock No. | Type No. | Volts | Siz | et ea. |
| :---: | :---: | :---: | :---: | :---: |
| 32 H 4689 | MS 13 | 1.5 | . $21 \times .31$ | 27 |
| H 4690 | MS 41 | 1.5 | .16x.46 |  |
| 32 H 4691 | MS 76 | 5 | $21 \times .46$ |  |

## RECORDER BATTERIES

| Burgess |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 32 H 3903 | 2x7 | 104/2 | $1 / 2 \mathrm{lb}$. | 1.62 |
| 32 H 3904 | 2x62x | $11 / 2.9$ | $1 / 2 \mathrm{lb}$. | 3.20 |
| 32 H 3905 | 2V18 | 12 | 3/6 lb. | 2.00 |



TYPE 25-2. Rated at 2 volts for 21 amperehours. Original equipment in G.E. models 250 and 260 . Size: Shipped dry $2^{11 / 32} \times 2{ }^{3} /{ }_{3} \times 6^{\prime \prime \prime}$. Shpg. wt., $23 / 4 \mathrm{lbs}$.
32 H 5801
Net 9.95


TYPE ER6-2B Photo.Flash Battery. Rated at 2 volts for 6 amp . hours. Up to 250 flashes per charge. Size: $111 / 4 \times 23 / 8 \times 41 / 4^{\prime \prime}$. Shipped dry. Shag. wt., $12 / 2 \mathrm{lbs}$.
32 H 5802
Net 6.39
TYPE ERG.48 Photo-Flash Battery. Similar to above but rated 4 volts for 6 amps. Size: $33 / 8 \times 23 \times 41 / 4{ }^{\prime \prime}$. Shipped dry. Shpg. wt., 2 lbs. 32 H 5701 Shpg. wt., $21 / 4$ ibs. $\ldots$ Net 12.28

PORTABLE A TYPES


PORTABLE B TYPES

| 32 H 4833 | 411 | U10 | V 083 | 1x, | 5 | 116 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 4834 | 417 | K10 |  | $1 x_{0} \times 1 / 03 \times 1 \%$ | 15 | 1/8 | 1.28 |
| 32 H 4835 | 504 | Y10 | VS704 | $58 \times 1{ }^{1 / 2} \times 13 / 8$ | 15 | K。 | 81 |
| 32 H 4836 | 412 | U15 | V 5084 | 1 $170 \times 5 / 0 \times 2$ | 221/2 | 1/6 | 05 |
| 32 H 4837 | 420 | K15 |  | $1 \mathrm{~K}_{6} \mathrm{x}^{3} / \mathrm{m}_{0} \mathrm{x} 2 \%_{4}$ | 221/2 | 1/0 | . 44 |
| 32 H 4838 | 505 | V15 | VS705 | 5/0x $1 \% / 3 \times 14 / 4$ | 221/2 | 1 | 1.05 |
| 32 H 4839 | 413 | U20 | $\checkmark$ SO85 | 11/9 $\times$ \% $1 \times 2 \%$ | 30 | 1/8 | 1.23 |
| 32 H 4813 | 430 | K20 |  | $1 \mathrm{~K}_{0} \times 1 \times 2^{1 / 3}$ | 30 | $1 /$ | 1.72 |
| 32 H4840 | 506 | $Y 20$ |  | $13140 \times 18 \times 12 / 40$ | 30 | * | 1.30 |
| 32 H 4841 | 507 | Y20s |  | 1/32 $\times 1 / 52 \times 2 \%$ | 30 | \% | 1.30 |
| 32 H 4895 | 415 | U30 | VS086 | $1 \% \times 5 / 8 \times 31$ | 45 | 1/8 | 1.75 |
| 32 H 4842 | 455 | $\times \times 30$ | $\checkmark$ V055 | $22_{2} \times 1 \times 311$ | 45 | $1 / 2$ | 2.27 |
| 32 H 4810 | 482 | M30 | VS013 |  | 45 | 1 | 2.97 |
| 32 H 4843 | 484 | 830 | VS344 | $3{ }^{1 / 2} \times 2 \times 21 / 8 \times 5 \%_{1}$ | 45 | 31\% | 3.47 |
| 32 H 4844 | 487 | D30 | - | 51/6x2Kax71/4 | 45 | 41/3 | 4.20 |
| 32 H 4845 | 738 | 230 | VS015 | $3 \times 2$ \% $4 \times 41 / 8$ | 45 | 11/2 | 2.76 |
| 32 H 4846 | 416 | UX45 | VS318 | $1 \times 1 / x^{1 / 4} \times 31 / 2$ | 671/2 | 1/4 | 2.07 |
| 32 H 4847 | 457 | K45 | VS082 | $213013 \times 2 \frac{1}{2}$ | 671/2 | 1/2 | 2.97 |
| 32 H 4848 | 467 | XX45 | VS016 | 21\% $\times 13 / 8 \times 3 \times 4$ | 671/2 | $1 / 2$ | 2.70 |
| 32 H 4849 | 477 | P45 | VS218 | 12\% $2 \times 6 \times 5$ | 671/2 | 1/2 | 2.70 |
| 32 H 4850 | 437 | XX50 | VS217 |  | 75 | $3 / 3$ | 3.15 |
| 32 H 4851 | 479 | P60 | VS219 |  | 90 | 3/4 | 2.97 |
| 32 H 4817 | 490 | $\checkmark 60$ | VS090 | $323_{2} \times 17 / 5 \times 34 \%$ | 90 | 1 | 3.15 |
| 32 H 4853 | 495 | N60X | VS316 | $1{ }^{1} \mathrm{~K}_{1} \times 1{ }^{15} \mathrm{~S}_{2} \times 71 / 8$ | 90 | 1 | 3.47 |
| 32 H 4855 | W361 | XX69 |  |  | 1031/2 | 2 | 4.86 |
| $\mathbf{3 2} \mathrm{H} 4856$ | 493 | U200 | VS093 | 23/4x $2 / \frac{1}{2} \times 37 / 6$ | 300 | 2 | 8.3 |

## PORTABLE A-B TYPES

| 32 H 4857 | 729 | 4 T260 | V5064 | 377/58 $\times 2 \%^{17} \times 71$ | 90 2\% | 5.33 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 4859 | 755 | T5250 | VS050 | 8 $10 \times 33 / 4 \times 2 \%$ | $6.71 / 2.7531 / 2$ | 6.22 |
| 32 H 4860 | 753 | F6A60 | V 5019 | 9\% $3_{3} \times 22^{23} 5_{2} \times 4 \%_{6}$ | 71/2,9,90 42/3 | 6.22 |
| 32 H 4861 | 756 | T6Z60 | VS057W | $87 / 8 \times 21 / 4 \times 313$ | 712,9,90 27/6 | 6.35 |
| 32 H 4863 | 752 | G6860 | VS047 |  | $961 \%$ | 6.35 |
| 32 N 4864 | 757 | F6A60P | V 5058 |  | 9.907 | 6.35 |

## PHOTOFLASH AND HIGH VOLTAGE TYPES

| 32 H4856 | 493 | U200 | VS093 | $21 / 1 \times 21 / 3 \times 385$ | 300 | 3/4 | 8.37 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 4880 | 497 | U320 | - | $3 \times 1 \times 5 \times 53 / 8$ | 510 | 156\% | 13.00 |
| 32 H 4881 | 492 | N150 | - | $3 \mathrm{~K} \times \times 23 / 4 \times 43 / 4$ | 225 | 2 | 7.65 |
| 32 H4882 | 491 | $U 160$ |  | 2\% ${ }_{6} \times 1 \%_{4} \times 413_{2}$ | 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 Stock No. | $\begin{gathered} \text { "Eve" } \\ \text { ready" } \\ \text { No. } \end{gathered}$ | $\begin{aligned} & \text { Burgess } \\ & \text { No. } \end{aligned}$ | GouldNat'l. | Cap. | $\begin{aligned} & \text { Wt. } \\ & \text { In } 0 x . \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\overline{32 \mathrm{H}} \mathbf{4 7 4 6}$ | 820 | CDI | 208 | 20 | 04 | 1.05 |
| 32 H 4730 | B50 | CD2 | 508 | 50 | 0.12 | . 70 |
| 32 H 4731 | B100 | CD8 | 100B | 100 | 0.32 | . 77 |
| 32 H 4732 | * B100T | - CD8L | -100BL | 100 | 0.32 | . 90 |
| 32 H 4733 | 8150 | CD3 | 1508 | 150 | 0.40 | . 80 |
| 32 H 4734 | - B150T | - CD3L | *150BL | 150 | 0.40 | . 93 |
| 32 H 4735 | B225 | CD4 | 2258 | 225 | 0.44 | . 83 |
| 32 H 4736 | * B225T | -CD4L | *225BL | 225 | 0.44 | . 97 |
| 32 H 4737 | B450 | CD5 | 4508 | 450 | 1.16 | 1.47 |
| 32 H 4738 | -B450T | - CD5 | -4508L | 450 | 1.16 | 1.80 |
| 32 H 4739 | - C450T | - CD6L | -500SCL | 450 | 0.80 | 2.10 |
| 32 H 4740 (AA) | C450 | C06 | 500SCB | 450 | 0.80 | 1.93 |
| 32 H 4741 | C900 | CD9 | $1.25 C 8$ | 900 | 1.40 | 3.17 |
| 32 H 4888 (C) | CH1.5 |  | 1.8SCB | 1.5 | 3.20 | 4.06 |
| 32 H 4889 (D) | CH4 | CD10 | $4.05 C B$ | 4 | 6.40 | 5.69 |

## TRANSISTOR AND HEARING AID BATTERIES ENERGIZERS CATHODE ENVELOPE TYPES

| Lafayette Stock No. | "Evereadr" No. | Burgess | R.C.A. | Mallory | Voltare | Shpg. Wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 4819 (D) | ) 1050 | 230 | V 5336 | M13R | 1.5 | 1/4 | . 19 |
| 32 H 4701 (C) | 1035 | 130 | VS335 | M14R | 1.5 | 1/6 | .19 |
| 32 H 4702 (N) | A) 1015 | 930 | VS334 | M15R | 1.5 | $1 / 4$ | . 155 |
| 32 H 4703 | 243 | 223 | VS324 | - | $41 / 2$ | $1 / 4$ | 1.36 |
| 32 H 4807 | 216 | 246 | VS323 | M1604 | 9.0 | 1/4 | . 48 |
| 32 H 4704 | 246 | 2N6 | V 5305 | M1602 | 9.0 | $1 / 4$ | 1.30 |
| 32 H 4898 | 266 | M6 | VS322 | M1605 | 9.0 | 1/2 | 1.36 |
| 32 H 4705 | 276 | D6 | VS306 | M1603 | 9.0 | 1 | 1.36 |
| 32 H 4706 | 2506 | 06P1 | VS301 | - | 9.0 | 11/2 | 1.92 |
| 32 H 4707 | 239 | X $\times 9$ | VS304 | - | 131/2 | 1/5 | 1.77 |
| 32 H 4708 | 2731 N |  | VS337 | - | 41/2 | 3 | 2.76 |
| 32 H 4709 | 2356N | C6X | VS330 | - | 9.0 | $11 / 4$ | 1.64 |
| 32 H 4710 | 2709N |  | VS339 | - | 9 | 1/2 | 1.05 |
| 32 H 4712 | 226 | P6 | V 5300 A | M1600 | 9 | 3 | . 62 |
| 32 H 4890 | 333 |  | V5332 | MNI 604 | 41/2 | $1 / 1$ | . 62 |
| 32 H 4891 | 222 | 2MN6 | - | - | 9 | $1 / 4$ | . 65 |

INDUSTRIAL BATTERY TYPES
(For Radios, Electronic Equipment, Test Equip.
and Other Applications)

| Lafayette <br> Stock No. | $\begin{aligned} & \text { "Eve. } \\ & \text { ready" } \\ & \text { No. } \end{aligned}$ | $\begin{aligned} & \text { Bur. } \\ & \text { gess } \end{aligned}$ | R.C.A. | Voitage | Shpg. WL. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 3901 | 711 | 2FH | V\$101 | 11/2 | 3/4 | 79 |
| 32 H 3902 |  | 288P |  | $11 / 2$ | 1/2 | 1.16 |
| 32 H 4713 | W356 | 2 F 2 H | VS136 | 3 | 13/8 | 1.92 |
| 32 H 4715 | W371 | 2370PI |  | 3 | 1/6 | 1.13 |
| 32 H 4716 | 750 | 422 | VS346 | 3 |  | 79 |
| 32 H 4717 | 703 | 532 | VS133 | $41 / 2$ | 1/4 | 1.36 |
| 32 H 4718 | 761T | 2370 ST | VS130 | $41 / 2$ | \% | 1.76 |
| 32 H 4719 |  | 2370 |  | 41/2 | 7/8 | 2.14 |
| 32 H 4720 | 781 | 5360 | $\checkmark 5028$ | 41/2 | 1/4 | 1.23 |
| 32 H 4722 | 773 | 5540 | $\checkmark 5029$ | 71/2 | 1/2 | 1.80 |
| 32 H 4723 | 763 | 4156 | VS102 | +221/2 | 1,0 | 1.61 |
| 32 H 4124 | 778 | 5156SC | VS131 | -221/2 | $11 / 2$ | 4.16 |
| 32 H 4725 | W350 | Z30NX | VS114 | +2213 +45 | 7/8 | 2.69 |
| 32 H 4727 | W363F | 10308SG | VS127W | $+221 / 2+45$ | 101/4 | 7.66 |
| 32 H 4728 | W352 | F2BP | VS100 | 3 | $11 / 4$ | 1.33 |
| 32 H 4129 | 762S | 5308 | VS112 | 45 | 31/2 | 3.05 |

FLASHLIGHT \& LANTERN BATTERIES

| 32 H 4865 | 912 | 7 | VS074 | $11 / 2$ | 1/8 | .13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H $4802(A A)$ | 915 | 2 | VS034A | 11/2 | 2/3 | . 13 |
| $32 \mathrm{H} 4801(\mathrm{C})$ | 935 | 1 | V5035A | $11 / 2$ | Y. | . 16 |
| $32 \mathrm{H} 4804(\mathrm{D})$ | 950 | 2 | $\checkmark$ S036 | $11 / 2$ | $1 / 3$ | .16 |
| 32 H 4866 | D. 99 |  |  | 11/2 | $1 / 8$ | . 19 |
| 32 H 4867 | 735 | F4M | V\$106 | 11/2 | 11/4 | . 92 |
| 32 H 4868 | \%618n. | $6 \operatorname{lgn}$. | VS006S | $11 / 2$ | 21/6 | . 91 |
| 32 H 4869 | 509 | F4H | VSO40C | 6 | 11/4 | . 92 |
| 32 H 4818 | 510 S | F48P | VS040S | 6 | $11 / 4$ | . 92 |
| 32 H 4870 | 731 | TW1 | VS317 | 6 | $31 / 4$ | 1.96 |
| 32 H 4871 | 706 | 4F4H | VS103 | 6 | 5\% | 4.01 |
| 12 H 4812 | 1462 | - | - | 6 | 91/2 | 4.01 |
| 32 H 4873 | 716 | 4F6H | V\$140 | 9 | $31 / 2$ | 5.53 |
| 32 H 4874 | 560 | $\cdots$ | V\$1560 | $71 / 2$ | 2 | 4.33 |
| 32 H 4875 | 904 | NE | $\checkmark 5073$ | 11/2 | 1 | . 08 |
| 32 H 4714 | W357 | 4F2H | VS138 | 3 | $31 / 2$ | 1.92 |
| 32 H 4877 | 510F | F4SC | - | 6 | $17 / 4$ | . 92 |
| 32 H 4878 | 715 | 4F5H | VS139 | $71 / 2$ | $81 / 2$ | 4.86 |
| 32 H 3906 | $\cdots$ | 246 | - | 69 | 34/8 | 2.93 |

MANGANESE ALKALINE BATTERIES
For flashlights, Radios, Portable TVs, Photoflash, Toys and Hobbies. Up to 10 times longer ilfe. Do not require rest period, operate with same efficiency in continuous or intermittent service. Enclosed in double steel jacket.

| Stock No. | Eve- <br> ready | REPLACES |  |  | Volt. age | Shpr. Wt. 02. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Mallory | R.C.A. | Burgess |  |  |  |
| 32 H 4883 | E94 |  |  |  | 1.5 | 1.8 | 39 |
| 32 H 4884 (D) | E95 | MN1300 | VS1336 | Al2 | 1.5 | 4.1 | . 49 |
| 32 H 4886 ( (A) | E91 | MN1500 | V 13334 | AL9 | 1.5 | . 9 | . 33 |
| 32 H 4887 (C) | E93 | MN1400 | vS1335 | Al1 | 1.5 | 2. | . 39 |
| 32. H 4892 | E90 | MN9100 | VS1073 | ALN | 1.5 | 3 | . 27 |
| 32 H 4893 | E92 | MN2400 | VS1074 | AL7 | 1.5 | . 4 | . 33 |
| 32 H 4645 | 523 | MN1306 | V 51149 | AL133 | 4.5 | 2. | . 84 |
| 32 H 4742 | 563 |  | VS1563 |  | 4.5 | 1. | 2.76 |
| 32 H 4743 | 564 | - | V 51564 | - | 13.5 | 5.8 | 9,94 |



POPULAR SIZES AT POPULAR PRICES
Popular batterles for portable and transistor sets, flashlights and toys. For hearing aids and transistor sets. Imported.

| Stock No. | Voltage |  <br> SinglyLots <br> 10 <br> Ea, |  | Figure | Replaces |  |  | Shpg. wt |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | RCA | $\begin{aligned} & \text { Bur- } \\ & \text { gess } \end{aligned}$ | Eve. ready |  |
| 99 H 6022 | 9 | . 34 | . 29 |  | A | $\begin{aligned} & \text { VS300A } \\ & \text { VS314 } \end{aligned}$ | $\begin{aligned} & \text { P6 } \\ & \text { PGM } \end{aligned}$ | 226 | 302. |
| 99 H 6024 | $671 / 2$ | 1.45 | 1.35 | C | VS016 | XX45 | 467 | 302. |
| 99 H 6025 | 9 | . 53 | . 45 | 0 | VS409A | YL6 | $E 177$ | 202. |
| 99 H $6027 *$ | 221/2 | . 59 | . 53 | E | VS084 | U15 | 412 | 3 oz . |

FLASHLIGHT BATTERIES


| Stock No. | Voltage | Net |  | Fig. ure | Replaces |  |  | Shpg. Wt. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | RCA | Bup- gess | Eve. |  |
| 99 H 6256 | $11 / 2$ (0) | Singly | . 15 |  | $F$ | VS036 | 2 | 950 | $40 z \mathrm{ea}$. |
| 99 H 6257 | 11/2 (C) | 10 for |  | G | VS035 | 1 | 935 | $3 \mathrm{ozea}$. |
|  |  | 10 for | . 20 |  | V035 |  |  | 302 ea |
| 99 H 6258 | $11 / 2$ (AA) | Singly | . 10 | H | YS034 | $z$ | 915 | 2 ozea |

## ALKALINE BATTERIES

| 99 H 6292 | $11 / 2$ (D) | Ea. 44 |  | VS1336 | AL2 | E95 | 02 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 H 6293 | $11 / 2$ (C) | Ea, 35 | G | VS1335 | AL1 | 89 | 202. |
| 99 H6294 | $11 / 2$ (AA) | Ea. . 29 | H | VS1334 | AL |  |  |

## NICKEL CADMIUM BATTERY

32 H 4740 11/2 (AA) Ea. 1.93 H - CD6 C450 1 oz .

## 9-VOLT TRANSISTOR RADIO BATTERY

Replaces RCA VS323, Burgess 2U6, Eveready 216, Lenith 2216, Ray.O-VAC 1604, NEDA 1604. Imported. Shpg wt., 202.

99 H 6021
99 H 6279 Package of 2
5 Packazes of 2
... Net ea. . 21 Net Per Pkr. 40

## "STORAGE CELL"forTRANSISTOR RADIOS

ONE CHARGEABLE BATTERY OUTLASTS
DOZENS OF CONVENTIONAL BATTERIES

- Replaces 2U6, BL-006P and BA-2
- Fiuid Storage Type
- Plays About 15 Hours on One Charging
- Battery Recharges Overnight
- Battery Can Be Used Over and Over Again
- Complete-Battery Plus Charger


9v Battery complete with charger. Battery $17 / 8 \times 15 / 4 ;$ charger $33 / 8 x$ $11 / x^{1 / 3^{\prime \prime}}$. Imported. Shpg, wt., 602.
99 H 9016 Battery and Chapger
Net 2.69
99 н 6026 8attery Replacement for above Net 1.49

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 avallable in carbon, alkaline, mercury and aickel cadmium types.

# Battery Eliminators - Chargers - Holders 

## BATTERY CHARGER WITH TWO RECHARGEABLE BATTERIES



Recharges Batteries Overnight. For Flashlights, Transistor Radios, Toys..
2 D Type Batteries Included
Recharges any type D battery overnightl No $10.2 g e r$ must toys, transistor radios and flashlights be without "live" hatteries. White plastic case with 2 rechargeable type $D$ batteries. Replaces vs036, 2, 950 etc. Imported. Shipg. wt., 2 ibs.
99 H 9100 Charger and 2 Batteries
Net 4.95
99 H 5265 Rechargeable Battery Net 1.25

## CHARGATRON HOME BATTERY CHARGER

- Recharge Batteries Up to 15 Times
- Battery Tester Included


## $3^{95}$

- "D"." "C"." $A A^{\prime \prime}$ 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. Plues into standard $110-120$ volt, 60 cycle AC outlet. With free battery tester. Shpg. wt. 2 lbs.
34 H 4202


Net 3.95
CHARGATRON AUTOMATIC BATTERY CHARGER UL LISTED
Fully automatic version of above charger. Safe-T-Plug gives safe low voltage operation and prevents overcharging of batterles. For 110 120V, 60 cycle AC. Shpg. wt. 2 lbs.
34 H 4203
Net 5.95

## 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 batteries. Size: $23 / 4 \times 37 / 4 \times 1^{\prime \prime}$. Imported. Shpg. wt. 1 lb. $\qquad$ ea. 3.99
Batteries for above.
32 H 4740
ea. 1.93


## CHART CHARGE NICKEL-CADMIUM BATTERY CHARGER <br> - Charges 1 to 10 Cells in Series Up to 250 MA

Meets the demands of Nickel-cadmium ceils in Industrial and hobby use. Continuously variable from 10 to 250 MA to charge 1 to 10 cells in series. Use of isolation transformer eliminates shock hazard. Full wave silicon diode rectification. No meter is required for accurate calibration. Pilot light on-off Indicator, UL listed. cord. $61 / 4 \times 31 / 4 \times 2^{\prime \prime}$. Shpg. wt., 2 lbs.
34 H 4101

## BATTERY CLIPS

Avg. Shpg. Weight $1 \mathbf{0 z}$.

| Stock No. | Fig. | For Burgess | Mel <br> Ea. |
| :---: | :---: | :---: | :---: |
| 34 H 1001 | A | $\begin{aligned} & P 6, D 5, P 6 M, M 6 \\ & \times \times 45, \times \times 30, \times \times 50 \end{aligned}$ | . 05 |
| 34 H 1002 | B | $\begin{aligned} & \mathrm{K45}, \mathrm{P45}, \mathrm{P45M}, \\ & \text { P60, D6, } 4 \mathrm{D4}, \\ & \mathrm{~N} 60 \mathrm{X}, \mathrm{C} 6 \mathrm{X} \end{aligned}$ | . 05 |
| 99 H 6287* | C | 2U6, U30, 2N6 | . 29 |
| 99 H 62as* |  | same, pkg. of 5 | . 69 |
| 34 M 1004 | D | $\begin{aligned} & X \times 50, P 45, \\ & P 60, N 60 X \end{aligned}$ | 27 |

-importea



LAFAYETTE Receiving Tubes the quality line WITH THE 2 YEAR GUARANTEE
Lafayette tubes are made to rigid quallity standards which assure you of efficient performance and long-llife. We wlll 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 postpaid to the store from which you purchased It along with your origtnal sales-slip or order. Some selected types imported.

assortment privilege tubes may be assoried for quantity price

| Tube Type | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \end{aligned}$ | Asst. 50-Up | Tuhe Trpe | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \end{aligned}$ | Asst. <br> 50-Up | Tube Type | $\begin{aligned} & \text { Net } \\ & \mathbf{1 . 9} \end{aligned}$ | $\begin{gathered} \text { Each } \\ 10-49 \end{gathered}$ | $\begin{aligned} & \text { Asst. } \\ & 50 . U p \end{aligned}$ | Tube Type | $\begin{gathered} \text { Net } \\ 1.9 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \end{aligned}$ | $\begin{aligned} & \text { Asst. } \\ & 50 \cdot U_{p} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 074 | 1.15 | 1.02 | . 92 | 6BC5/6CES | 1.02 | . 90 | 81 | 6EJ7/ |  |  |  | 6x8A | 1.42 | 1.26 | 1.13 |
| 183/1G3G7 | 1.24 | 1.10 | . 99 | 6 BCS | 1.69 | 1.50 | 1.35 | EF184 | 1.60 | 1.42 | 1.28 | $74 \cup 7$ | 1.11 | 98 | . 88 |
| 1×3/113 | 1.24 | 1.10 | . 99 | 6BE6 | 1.08 | . 96 | . 86 | 6EM5 | 1.51 | 1.43 | 1.21 | sAwsa | 1.80 | 1.60 | 1.44 |
| $1{ }^{185}$ | 1.47 | 1.30 | 1.17 | 6BG6GA | 2.77 | 2.46 | 2.21 | 6EM7 | 2.21 | 1.96 | 1.76 | 8 CG 7 | use | $8 \mathrm{Fa7/}$ | $8 \mathrm{C67}$ |
| 144 | 1.38 | 1.22 | 1.10 | 6BH6 | 1.24 | 1.10 | 99 | 6ER5 | 1.60 | 1.42 | 1.28 | 8F07/8C67 | 1.06 | . 94 | . 85 |
| $1{ }^{1} 5$ | 1.31 | 1.16 | 1.04 | $6 \mathrm{BH8}$ | 1.89 | 1.68 | 1.51 | GEV5 | 1.29 | 1.14 | 1.03 | $100 E 7$ | 1.58 | 1.40 | 1.26 |
| $1 \mathrm{~V}_{2}$ | . 99 | . 88 | . 79 | 6BJ6 | 124 | 1.10 | . 98 | 6EW6 | 1.04 | . 92 | . 83 | 12906/ |  |  |  |
| $1 \times 28$ | 1.31 | 1.16 | 1.04 | 6BK4A | 3.40 | 3.02 | 2.72 | 6FG7 | 1.67 | 1.48 | 1.33 | $12 \mathrm{Ga6}$ | 1.26 | 1.12 | 1.01 |
| 2AF48 | 1.74 | 1.54 | 1.39 | $68 \mathrm{K7B}$ | 1.60 | 1.42 | 1.24 | 6FH5 | 1.42 | 1.26 | 1.13 | 12 Al 6 | . 79 | . 70 | . 63 |
| $2 \mathrm{av2}$ | 1.06 | . 94 | . 85 | 6BL7GTA | 1.98 | 1.76 | 1.58 |  |  |  |  | 12at7 | 1.29 | 1.14 | 1.03 |
| 28N4A | 1.24 | 1.10 | 99 | 6BL8/ECFEO | 1.08 | . 96 | . 86 | 6FR5A | 1.44 | 1.54 | 1.17 | 12406 | . 90 | . 80 | . 72 |
| $2 \mathrm{CY5}$ | 1.49 | 1.32 | 1.19 | $6 \mathrm{BMB/ECLE} 2$ | 1.31 | 1.16 | 1.04 | 6Fa7/6Cc7 | 1.06 | . 94 | . 85 | 12aU7a/ |  |  |  |
| 3A3/3AW3 | 1.44 | 1.28 | 1.15 | 6BN4A | 1.53 | 1.36 | 1.22 | 6FV8A | use | 8R8A | V8A | ECCB2 | 1.06 | . 94 | . 85 |
| 3 AT 2 | 1.38 | 1.22 | 1.10 | 6BN6 | 1.51 | 1.34 | 1.21 | 6GES | 1.74 | 1.54 | 1.39 | 12av5ca | 2.03 | 1.80 | 1.62 |
| 38C5/3CE5 | 1.11 | . 98 | 88 | 68N8 | 1.51 | 1.34 | 1.21 |  |  |  |  | 12avg | . 61 | . 72 | . 65 |
| 38N6 | 1.71 | 1.52 | 1.37 | 6805/ELE4 | 1.20 | 1.06 | . 95 | GGH8A | 2.19 1.44 | 1.94 | 1.75 | $12 a y 7$ | 1.62 | 1.44 | 1.30 |
| 3876 | . 97 | . 86 | . 77 | 6806G78/ |  |  |  | 6GK5 | 1.74 | 1.54 | 1.39 | 12ax4678 | 1.22 | 1.08 | . 97 |
| $3 \mathrm{CB6}$ | . 97 | 86 | . 77 | 6CU6 | 1.85 | 1.64 | 1.48 | GGM6 | 1.24 | 1.10 | 1.99 .99 | 12ax7a | 1.13 | 1.00 | . 90 |
| 3 CEB | us | 3865 | 3CE5 | 6807A | 1.69 | 1.50 | 1.35 | $6 \mathrm{GU7}$ | 1.44 | 1.28 | 1.15 | $12 \mathrm{Al7a}$ | 1.33 | 1.18 | 1.06 |
| $3 \mathrm{Cr5}$ | 1.76 | 1.56 | 1.40 | 68Rea/ |  |  |  | GGU7 | 1.44 |  |  | 12B4A | 1.44 | 1.28 | 1.15 |
| 30G4 | 1.85 | 1.64 | 1.48 | 6FV8A | 1.74 | 1.54 | 1.39 | 66W6 | use | 0068/ | CW6 | 12846 | . 81 | . 72 | . 65 |
| 3GK5 | 1.74 | 1.54 | 1.39 | 6858 | 1.69 | 1.50 | 1.35 | 6GW8/ECL86 | 1.38 | 1.22 | 1.10 | 128E6 | . 88 | . 78 | . 70 |
| $3{ }^{3} 4$ | 1.17 | 1.04 | . 94 | 6848 | 1.53 | 1.36 | 1.22 | 6 6 \%67 | 1.17 | 1.04 | . 94 | 128H7A | 1.31 | 1.15 | 1.04 |
| 48074 | 1.87 | 1.66 | 1.49 | 5826 | 95 | . 84 | . 76 | 6HB7 | 1.65 | 1.46 | 1.31 | 12816 | 1.33 | 1.18 | 1.06 |
| 4826 | . 95 | . 84 | . 76 | 6827 | 1.69 | 1.50 | 1.35 | 6HE5 | 1.67 | 1.48 | 1.33 | 128Y7A | 1.44 | 1.28 | 1.15 |
| 5AM | 1.83 | 1.62 | 1.46 | $6 \mathrm{C4}$ | . 88 | . 78 | . 70 | 6HF8 | 1.80 | 1.60 | 1.44 | 12C5/12CU5 | 1.24 | 1.10 | . 99 |
| 5105 | 1.08 | . 96 | 86 | 6CB6A | 95 | . 84 | . 76 | 6H25 | 2.03 | 1.80 | 1.62 | 12CA5 | 1.26 | 1.12 | 1.01 |
| 5478 | 1.71 | 1.52 | 1.37 | 6CD6Ga | 2.48 | 2.20 | 1.98 | 6HS8/6KF8 | 1.74 | 1.54 | 1.39 | $12 \mathrm{CU5}$ | use | 12C5/1 | 2CU5 |
| 5BR8A | 1.89 | 1.68 | 1.51 | 6CE5 | us | e 6BC5 | CE5 | $6 \mathrm{CH}^{6} 6$ | 1.24 | 1.10 | . 93 | 12096B | 1.92 | 1.70 | 1.53 |
| 5 C68 | 1.51 | 1.34 | 1.21 | 6CF6 | 1.24 | 1.10 | . 99 | 6 J 5 | 1.67 | 1.48 | 1.33 | 12646 | use | 2a06/1 | GA6 |
| 5 CLEA | 1.74 | 1.54 | 1.39 | 6CG7 | us | 6F97/ | /6CG7 | $6 J 64$ | 1.31 | 1.16 | 1.04 | 12GN7A | 1.76 | 1.56 | 1.40 |
| 518 | 1.89 | 1.68 | 1.51 | 6CG8A | 1.47 | 1.30 | 1.17 | $6 \mathrm{JB6}$ | 2.64 | 2.34 | 2.11 | 12547 | 2.21 | 1.96 | 1.76 |
| 5U4G8 | . 95 | . 84 | . 76 | 6CL6 | 1.71 | 1.52 | 1.37 | $6 J C 6$ | 1.69 | 1.50 | 1.35 | $125 \times 7$ | 2.01 | 1.78 | 1.60 |
| 508 | 1.40 | 1.24 | 1.12 | 6CL8A | 1.76 | 1.56 | 1.40 | 6JE 6 | 3.63 | 3.40 | 3.06 | 12SN7GTA | 1.26 | 1.12 | 1.01 |
| 5Y3G 7 | . 79 | . 70 | . 63 | $6 \mathrm{CM7}$ | 1.24 | 1.10 | . 99 | 6JH6 | 1.11 | . 98 | 88 | 12507 | 2.01 | 1.78 | 1.60 |
| 6AB4 | 1.11 | . 98 | . 88 | 6CN7 | 1.80 | 1.60 | 1.44 | $6 \mathrm{JH8}$ | 1.94 | 1.72 | 1.55 | 13GF7A | 2.12 | 1.88 | 1.69 |
| 64.3 | 1.40 | 1.24 | 1.12 | 6 Cas | 1.58 | 1.40 | 1.26 | 6JM6 | 1.87 | 1.66 | 1.49 | 17ax4GTA | 1.38 | 1.22 | 1.10 |
| 6AF4A | 1.69 | 1.50 | 1.35 | 6 6.56 | 1.22 | 1.08 | . 97 | 6JN6 | 1.74 | 1.54 | 1.39 | 17ay3A | 1.20 | 1.06 | . 95 |
| 6AG5 | 1.29 | 1.14 | 1.03 | 6 C57 | 1.26 | 1.12 | 1.01 | 6JS6A | 3.29 | 2.92 | 2.63 | 1704A | 1.38 | 1.22 | 1.10 |
| 6 GAH 4 CT | 1.47 | 1.30 | 1.17 | $6 \mathrm{CU5}$ | 1.22 | 1.08 | . 97 | 6 JT | 1.80 | 1.60 | 1.44 | 170068/ |  |  |  |
| GAHG | 1.98 | 1.76 | 1.58 | $6 \mathrm{CU6}$ | use 68 | 066TB/ | 6CU6 | 6JU8A | 1.58 | 1.40 | 1.26 | 176W6 | 1.92 | 1.70 | 1.53 |
| 6AK5 | 2.03 | 1.60 | 1.62 | 6CU8 | 2.03 | 180 | 1.62 | 6K6GT | 1.22 | 1.08 | . 97 | 176W6 | use 170 | 1068/1 | GW6 |
| sals | . 6 | . 76 | . 68 | SCW4 | 2.07 | 1.84 | 1.66 | GKAB | 1.92 | 1.70 | 1.53 | 17328 | 1.60 | 1.42 | 1.28 |
| samsa | 1.47 | 1.30 | 1.17 | 6 CxP | 1.92 | 1.70 | 1.53 | 6K08 | 1.26 | 1.12 | 1.01 | 19AU4G7a | 1.60 | 1.42 | 1.28 |
| 6Amba | 1.78 | 1.58 | 1.42 | 6 CY 5 | 1.62 | 1.44 | 1.30 | 6KF8 | . 26 | $6 \mathrm{HS8}$ | 6 MF 8 | $21 \mathrm{GY5}$ | 2.10 | 1.86 | 1.67 |
| GAQ5A | 1.02 | . 90 | . 61 | $6 \mathrm{Cr7}$ | 1.38 | 1.22 | 1.10 | 6K20 | 1.42 | 1.26 | 1.13 | 220E4 | 1.53 | 1.36 | 1.22 |
| 6AS5 | 1.24 | 1.10 | . 99 | 6 C 25 | 1.85 | 1.64 | 1.40 | 6LGcC | 2.05 | 1.82 | 1.64 | 2379 | 2.66 | 2.36 | 2.12 |
| 6 AS8 | 1.80 | 1.60 | 1.44 | 60A4A | 1.38 | 1.22 | 1.10 | 61.58 | 1.74 | 1.54 | 1.39 | 25 | 2.10 | 1.88 | 2.39 |
| gatg | . 93 | . 82 | . 74 | 60E6 | 1.44 | 1.28 | 1.15 | 6LIA | 1.85 | 1.64 | 1.48 | 2586 |  |  |  |
| 6AT8A | 1.80 | 1.60 | 1.44 | 60E6 | 1.08 | . 96 | . 86 | 654A | 1.06 | . 94 | . 85 | 25cub | 1.98 | 1.76 | 1.58 |
| 6AU4GTA | 1.53 | 1.36 | 1.22 | $60 ¢ 7$ | 1.65 | 1.46 | 1.31 | $65 \mathrm{J7}$ | 1.87 | 1.66 | 1.49 | 25C06GB | 2.59 | 2.30 | 2.07 |
| 6AU6A | . 88 | . 78 | . 70 | 60 K 6 | 1.06 | . 94 | . 85 | 6SK7 | 1.92 | 1.70 | 1.51 | $25 \mathrm{Cu6}$ u | use 2580 | $6 \mathrm{~TB} / 2$ | CU6 |
| 6ausa | 1.98 | 1.76 | 1.58 | 6005 | 3.54 | 3.14 | 2.83 | 6S176 | 1.51 | 1.34 | 1.21 | 250 M 6 | 2.68 | 2.38 | 2.14 |
| gavsca | 2.12 | 1.88 | 1.69 | 50068/6cw6 | 1.89 | 1.68 | 1.51 | 6SN76TB | 1.22 | 1.08 | . 97 | 2516 GT | 1.33 | 1.18 | 1.06 |
| GAv6 | . 79 | . 70 | . 63 | $60 \mathrm{R7}$ | 1.85 | 1.64 | 1.48 | 6TEA | 1.51 | 1.34 | 1.21 | $336 \mathrm{r7}$ | 2.73 | 2.42 | 2.18 |
| 6awsa | 1.62 | 1.44 | 1.30 | 60164 $60 W 48$ | 1.02 <br> 1.58 <br> 1.69 | .90 1.40 | 1.26 | 6710 | 1.92 | 1.70 | 1.53 | $35 C 5$ 351667 | . 1.24 | . 8.10 | . 76 |
| 6 6xJ | 1.17 | 1.04 | . 94 | 6024 | 1.69 | 1.50 | 1.35 | 6U8A | 1.40 | 1.24 | 1.12 | 35 W 4 | . 57 | . 50 | . 45 |
| $60 \times 4678$ | 1.13 | 1.00 | . 90 | 6EA7 | 2.34 | 2.08 | 1.87 | 6VGGTa | 1.08 | . 96 | . 86 | 352567 | . 99 | . 88 | . 79 |
| 6 AY38 | 1.31 | 1.16 | 1.04 | 6EA8 | 1.35 | 1.20 | 1.08 | 6W4GTA | 1.04 | . 92 | . 83 | 38NE 7 | 3.00 | 2.66 | 2.39 |
| 6BA6 | 95 | 84 | . 76 | 6EB8 |  | 1.76 | 1.50 | 6W6G7 | 1.33 | 1.18 | 1.0 | 50C5 | 99 | 88 | 79 |
| 6BA8A | 1.80 | 1.60 | 1.44 | 6EH7/ |  |  |  | $6 \times 4$ | 81 | . 72 | . 65 | 50EH5 | 1.04 | . 92 | . 83 |
| 68 A11 | 1.85 | 1.64 | 1.48 | EF183 | 1.74 | 1.54 | 1.39 | $6 \times 567$ | . 95 | . 84 | . 76 | 50L6GT | 1.29 | 1.14 | 1.03 |

## SILICON TUBE REPLACEMENT <br> - No Wasted Filament Power <br> - Instant Warm-up

Direct Plug. In silicon replacement for 5U4G. 504. 5Y3, 5V4, 5AU4, 5AW4, 5AZ4, 5T4, 5W4, and 524. with bullt-in surge limiting resistor. Instant warmup. Long life. Shpg. wt., 802.

## 19 H 2 sos

Net 5.95


## TWIN DIODE

## REPLACES GLASS TUBE GAL5

No conversion-fits in same socket. No filament to
burn out. Video circuits: more detail; Audio circuits:
better fidelity; Sync Circuits: Increased Locking.
Long Life. Shpg. wt., $40 z$.

1) H 5209


## RCA and GE Receiving Tubes



DOUBLE BRANDED TYPES: Tubes with double type numbers will replace both types. Example: $6805 /$ EL84 replaces either 6805 or EL84 REPLACED TVPES: Older types are replaced by later versions ending in an additional letter A . B or C . Example: 12 Ax 7 A replaces $12 \mathrm{AX} 7_{i}$ $5 U 4 G B$ replaces $5 U 4 G$ and $5 U 4 \mathrm{GA}$.

## 12 MONTH GUARANTEE

All receiving tubes are guaranteed for $\mathbf{1 2}$ 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 bumed out or broken tubes. Average shpg. wt., $4 \mathrm{oz} .$, per 10 tubes, $21 / 4 \mathrm{lbs}$.

ASSORTMENT PRIVILEGE: TUBES MAY BE ASSORTED FOR QUANTITY PRICE


RECEIVING TUBES (Cont.)

| Tube Type | Net $1.9$ | $\begin{aligned} & \text { RESALE } \\ & \text { Each ASst. } \\ & 10.4950 \text { up } \end{aligned}$ |  | $\frac{\text { Tube Type }}{6027}$ | $\begin{gathered} \text { Net } \\ 1.9 \\ \hline 4.35 \end{gathered}$ | Each <br> $10-49$ $3.92$ | Asst. 50 up <br> 3.48 | $\frac{\text { Tube Type }}{\text { GHF8 }}$ | $\begin{gathered} \text { Net } \\ 1.9 \\ \hline 2.00 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 10-49 \\ & \hline \end{aligned}$ | Asst. <br> 50 up | Tube Type | $\begin{aligned} & \text { Net } \\ & \text { 1-9 } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { RESALI } \\ & \text { Each } \end{aligned}$ $10.49$ | Asst. <br> 50 up |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6BN11 | 2.05 | 1.85 | 1.64 |  |  |  |  |  |  | 1.80 | 1.60 | 6SC7 | 2.30 | 2.07 | 1.84 |
| 6805/EL84 | 1.33 | 1.20 | 1.06 | $6 E 5$ | 2.83 | 2.55 | 2.26 | 6HG5 | use 6 | 6405A/6 | 6HG5 | 6SF5 | 1.88 | 1.69 | 1.50 |
| 68066A/6CU6 | J6 2.05 | 1.85 | 1.64 | 6EAS |  | use | 6 Cr 5 | 6HG8/ECF86 | 2.05 | 1.85 | 1.64 | $65 F 7$ | 3.15 | 2.84 | 2.52 |
| 6806GT8/ |  |  |  | 6EA7 | use | 6EM $7 /$ | 6EA7 | 6H15 | 2.90 | 2.61 | 2.32 | 6SG7 | 2.35 | 2.12 | 1.88 |
| 6CU6 | 2.05 | 1.85 | 1.64 | GEAB | 1.50 | 1.35 | 1.20 | 6HJ8 | 1.55 | 1.40 | 1.24 | 6SH7 | 2.68 | 2.41 | 2.14 |
| 6807a/6827 | 1.88 | 1.69 | 1.50 | 6E85 | 2.30 | 2.07 | 1.84 | $6 \mathrm{HK}_{5}$ | 1.95 | 1.76 | 1.56 | 6517 | 2.08 | 1.87 | 1.66 |
| 6BRBA/6FVBA | A 2.00 | 1.80 | 1.60 | 6EB8 | 2.20 | 1.98 | 1.76 | 6HLB | 1.53 | 1.38 | 1.22 | 6SJ7GT | 1.95 | 1.76 | 1.56 |
| 6BS3A | 1.65 | 1.49 | 1.32 | 6EH4 | 3.65 | 3.29 | 2.92 | 6HM5/6HA5 | 1.93 | 1.74 | 1.54 | 6SK7 | 2.13 | 1.92 | 1.70 |
| 68S8 | 1.88 | 1.69 | 1.50 | 6EH5 | 1.45 | 1.31 | 1.16 | 6HM6 | 1.48 | 1.33 | 1.18 | 6SK7GT | 2.75 | 2.48 | 2.20 |
| 68U8 | 1.70 | 1.53 | 1.36 | 6EMT/EF183 | 1.93 | 1.74 | 1.54 | 6H05 | 2.25 | 2.03 | 1.80 | 6SL7GT | 1.78 | 1.60 | 1.42 |
| 68V8 | 1.50 | 1.35 | 1.20 | 6EH8 | 1.68 | 1.51 | 1.34 | 6HR5 | 1.28 | 1.15 | 1.02 | 6SN7GTB | 1.35 | 1.22 | 1.08 |
| 68w4 | 1.38 | 1.24 | 1.10 | $6 E 14$ | 3.80 | 3.42 | 3.04 | 6HR6 | 1.38 | 1.24 | 1.10 | 6507 | 2.00 | 1.80 | 1.60 |
| 6BW8 | 1.68 | 1.51 | 1.34 | 6EJ7/EF184 | 1.78 | 1.60 | 1.42 | 6HS5 | 3.88 | 3.49 | 3.10 | 6S07gT | 2.00 | 1.80 | 1.60 |
| 68w11 | 2.20 | 1.98 | 1.76 | 6EMS | 1.68 | 1.51 | 1.34 | GHS6 | 1.38 | 1.24 | 1.10 | 6SR7 | 2.13 | 1.92 | 1.70 |
| 68X7GT | 2.80 | 2.52 | 2.24 | GEM7/6EAT | 2.45 | 2.21 | 1.96 | 6HS8 | 1.93 | 1.74 | 1.54 | 674 | 2.58 | 2.32 | 2.05 |
| 6BY56A | 2.40 | 2.16 | 1.92 | 6 607 | 1.48 | 1.33 | 1.18 | 6H26 | 1.38 | 1.24 | 1.10 | 6TAA | 1.68 | 1.51 | 1.34 |
| 68 Y 6 | 1.50 | 1.35 | 1.20 | 6ERS | 1.78 | 1.60 | 1.42 | $6 \mathrm{H}^{28}$ | 2.75 | 2.48 | 2.20 | 6 69 | 1.85 | 1.67 | 1.48 |
| 68Y8 | 1.35 | 1.22 | 1.08 | 6ES5 | 1.43 | 1.29 | 1.14 | 615 | 2.05 | 1.85 | 1.64 | 6710 | 2.13 | 1.92 | 1.70 |
| 6873 | 1.48 | 1.33 | 1.18 | 6ES8/ECCI89 | 2.73 | 2.46 | 2.18 | ${ }^{615 G T}$ | 2.05 | 1.85 | 1.64 | 6 US | 3.70 | 3.33 | 2.96 |
| 6876 | 1.05 | . 95 | 84 | $6 \mathrm{ET7}$ | 2.00 | 1.80 | 1.60 | 6.64 | 1.45 | 1.31 | 1.16 | 605 | 3.70 | 3.33 | 2.96 |
| 6827 | use | 68074/ | 6827 | GEU7 | 1.35 | 1.22 | 1.08 | 617 | 2.60 | 2.34 2.25 | 2.08 | 6UBA/6KDB/ |  |  |  |
| 6878 | 2.10 | 1.89 | 1.68 | GEU8 | 1.68 | 1.51 | 1.34 | 6110/6210 | 2.50 | 2.25 | 2.00 | SKD8 | 1.55 | 1.40 | 1.24 1.16 |
| 6C4 | .98 2.68 | .88 2.41 | .78 2.14 | 6EV5 | 1.43 1.38 | 1.29 | 1.14 | 6j11 | 2.40 2.93 | 2.16 2.64 | 1.92 2.34 | $6 \mathrm{6U10}$ | 1.83 | 1.65 | 1.46 |
| $6 C 5$ $6 C 5$ | 2.68 3.93 | 2.41 3.54 | 2.14 3.14 | 6EV7 6EW6 | 1.38 1.18 | 1.24 1.06 | 1.10 .94 | 6J86A $6 J C 6$ | 2.93 1.88 | 2.64 1.69 | 2.34 1.50 | 6V10 | 1.83 2.28 | 1.65 2.05 | 1.46 1.82 |
| 6C5 | 3.93 2.75 | 3.54 2.48 | 3.14 2.20 | 6EW6 | 1.18 3.00 | 1.06 2.70 | .94 2.40 | $6 J C 6$ $6 J C 8$ | 1.88 | 1.69 | 1.50 1.32 | 6V4/E280 | 2.28 .75 | 2.05 .68 | 1.82 .60 |
| $6 C 9$ $6 C 10$ | 2.75 1.85 | 2.48 1.67 | 2.20 1.48 | 6EW7 | 3.00 3.75 | 2.70 3.38 | 2.40 3.00 | $6 J C 8$ $6 J 06$ | 1.65 | 1.49 1.49 | 1.32 1.32 | 6V6 | 3.18 | 2.86 | 2.54 |
| 6 6CA 4 | 1.23 | 1.11 | . 98 | 6EY6 | 1.80 | 1.62 | 1.44 | 6JE6A | 4.25 | 3.83 | 3.40 | 6V6GTA | 1.20 | 1.08 | . 96 |
| 6Cas | 1.50 | 1.35 | 1.20 | $6 E 75$ | 2.03 | 1.83 | 1.62 | 6JE8 | 1.85 | 1.67 | 1.48 | 6W4GTA | 1.15 | 1.04 | . 92 |
| 6CAT/EL34 | 2.68 | 2.41 | 2.14 | $6 E 28$ | 1.78 | 1.60 | 1.42 | $6 J F 6$ | 3.10 | 2.79 | 2.48 | 6W6GT | 1.48 | 1.33 | 1.18 |
| 6CB5A | 4.70 | 4.23 | 3.76 | $6 F 5$ | 2.75 | 2.48 | 2.20 | 6JG6a | 3.25 | 2.93 | 2.60 | ${ }_{6 \times 4}$ | . 90 | 81 | . 72 |
| 6CB6A/6CF6 | 1.05 | . 95 | 84 | $6 F 6$ | 2.90 | 2.61 | 2.32 | 6JH6 | 1.23 | 1.11 | . 98 | 6X5GT | 1.20 | 1.08 | . 96 |
| $6 \mathrm{CD3}$ use | se 6CG3/ | /6CE3/6 | C03 | 6F6GT | 290 | 2.61 | 2.32 | 6JH8 | 2.15 | 1.94 | 1.72 | $6 \times 84$ | 1.65 | 1.49 | 1.32 |
| 6CD6GA | 2.75 | 2.48 | 2.20 | 6 F8G | 4.23 | 3.81 | 3.38 | ${ }^{6}$ JK8 8 | 2.03 | 1.83 | 1.62 | 6X9/ECF200 | 1.48 | 1.33 | 1.18 |
| 6CE 3 | 6CG3 | 3/6CE3/6 | 6CD3 | $6 F A 7$ | 1.48 | 1.33 | 1.18 | $6 \mathrm{GM6}$ | 2.05 | 1.85 | 1.64 | 6Y6GT | 1.78 | 1.60 | 1.42 |
| 6CES | use | 68C5/6 | 6CES | $6 F 07$ | 2.65 | 2.39 | 2.12 | 6JM6A | 2.08 | 1.87 | 1.66 | $6 \mathrm{Y} 6 \mathrm{GA} / 6 \mathrm{Y}$ | 2.03 | 1.83 | 1.62 |
| 6CF6 | use | 6CB6A/6 | 6CF6 | GFES | 1.70 | 1.53 | 1.36 | 6 JN6 | 1.93 | 1.74 | 1.54 | 679 | 1.88 | 1.69 | 1.50 |
| 6CG3/6CE3/ |  |  |  | $6 F 65$ | 2.68 | 2.41 | 2.14 | 6 JNg | 1.83 | 1.65 | 1.46 | 624 |  | use 84 | 4/674 |
| 6 CO 3 | 1.70 | 1.53 | 1.36 | 6FG6/EM84 | 1.65 | 1.49 | 1.32 | 6JS6A | 3.65 | 3.29 | 2.92 | 6210 |  | 6.10 | 6210 |
| 6CG7 | use | $6507 /$ | cct |  | 1.65 | 1.67 | 1.48 | 6JT6A | 2.48 | 2.23 | 1.98 | 74 | 3.53 | 3.18 | 2.82 |
| 6CG8A | 1.63 | 1.47 | 1.30 | 6FW5 | 1.58 | 1.42 | 1.26 | 6 JT8 | 2.03 | 1.83 | 1.62 | 745 | 2.83 | 2.55 | 2.26 |
| 6 CH 8 | 2.83 | 2.55 | 2.26 | 6FHB | 2.03 | 1.83 | 1.62 | 6JUBA | 1.75 | 1.58 | 1.40 | 747 |  |  |  |
| 6CJ3/60w48 | - 1.80 | 1.62 | 1.44 | $6 F 17$ | 1.88 | 1.69 | 1.50 | 6JY8 | 2.20 | 1.98 | 1.76 | 74.7 | 3.95 | 3.56 | 3.16 |
| 6CK3 | 1.30 | 1.17 | 1.04 | 6FM7 | 1.63 | 1.47 | 1.30 | 6JW8/ECF602 | 1.55 | 1.40 | 1.24 | $7 \mathrm{7aU7}$ | 1.23 | 1.11 | 98 |
| 6 CK 4 | 1.78 | 1.60 | 1.42 | 6FM8 | 1.43 | 1.29 | 1.14 | $6 J 26$ | 2.33 | 2.10 | 1.86 | 785 | 4.18 | 3.76 | 3.34 |
| 6 CL 3 | 1.75 | 1.58 | 1.40 | 6F95a | use | 66x5/6 | c5a | 6128 | 1.78 | 1.60 | 1.42 | 786 | 2.63 | 2.37 | 2.10 |
| 6CL6 | 1.90 | 1.71 | 1.52 | 6FOT/6CG7 | 1.18 | 1.06 | . 94 | 6K6GT | 1.38 | 1.24 | 1.10 | $7{ }^{7} 5$ | 1.68 | 1.51 | 1.34 |
| 6claa | 1.95 | 1.76 | 1.56 | 6FS5 | 2.05 | 1.85 | 1.64 | 6 K 7 | 2.50 | 2.25 | 2.00 | $7 \mathrm{C7}$ | 1.70 | 1.53 | 1.36 |
| 6CM6 | 1.68 | 1.51 | 1.34 | 6 fV6 | 2.10 | 1.89 | 1.68 | $6 \mathrm{K8}$ | 3.85 | 3.47 | 3.08 | $7 E \mathrm{~F} 6$ | 1.68 | 1.51 | 1.34 |
| 6 CM 7 | 1.38 | 1.24 | 1.10 | 6 6V8A | use 68 | 6R8a/6 | F8a | 6K11/6011 | 1.83 | 1.65 | 1.46 | 757 | 3.75 | 3.38 | 3.00 |
| 6 CM 8 | 2.03 | 1.83 | 1.62 | 6FW5 | 1.93 | 1.74 | 1.54 | 6 KAB | 2.13 | 1.92 | 1.70 | 758 | 4.13 | 3.72 | 3.30 |
| CCN7 | 2.10 | 1.89 | 1.68 | $6 F Y 5$ | 1.38 | 1.24 | 1.10 | ${ }_{6}^{6 K 06}$ | 3.85 | 3.47 | 3.08 | 7 H | 1.95 | 1.76 1.33 | 1.56 |
| 6CO4 | 1.78 | 1.60 | 1.42 | 6FY5/ EC97 | 1.38 | 1.24 | 1.10 | $6 \mathrm{KD8}$ use | $6 \mathrm{UBA/}$ | /6KD8/ | 15K08 | 7HG8/PC | . 48 | 1.33 | 1.18 |
| 6CQ8 | 1.75 | 1.58 | 1.40 | 6 FY7 | 1.60 | 1.44 | 1.28 | 6KEA | 2.83 | 2.55 | 2.26 | $7 \mathrm{N7}$ | 3.55 | 3.20 | 2.84 |
| 6 CR 6 | 1.48 | 1.33 | 1.18 | 6 66C | 3.40 | 3.06 | 2.12 | 6 KLB | 1.48 | 1.33 | 1.18 | $7 \times 7$ | 2.3 | 2.10 | 1.86 |
| 6CS6 | 1.35 | 1.22 | 1.08 | $6 \mathrm{G11}$ | 2.20 | 1.98 | 1.76 | 6KM6 | 4.10 | 3.69 | 3.28 | $7 \times 7$ | 1.83 | 3.45 | 3.06 |
| 6 CS7 | 1.40 | 1.26 | 1.12 | 6G85/EL500 | 1.90 | 1.71 | 1.52 | $6 \mathrm{KM8}$ | 1.73 | 1.56 | 1.38 | 848 | use 9A8/ | $1848 /$ | F.780 |
| $6 \mathrm{CU5}$ | 1.35 | 1.22 | 1.08 | 6GC5 | 2.10 | 1.89 | 1.68 | 6KR8 | 2.13 | 1.92 | 1.70 | 8 AR11 | 2.18 | 1.96 | 1.74 |
| 6CU6 use 6 | 6806GA | or 6806 | 6G:TB | 6GE5 | 1.93 | 1.74 | 1.54 | 6KS6 | use | 68N6/ | /6K56 | 8AU8 | 1.93 | 1.74 | 1.54 |
| 6CU8 | 2.25 | 2.03 | 1.80 | 6 | 1.75 | 1.58 | 1.40 | 6KT6 | 1.5 | 1.35 | 1.20 | BAW8 | 2.00 | 1.80 | 1.60 |
| 6CW4 | 2.30 | 2.07 | 1.84 | 6GF7a | 2.43 | 2.19 | 1.94 | 6KT8 | 2.13 | 1.92 | 1.70 | 8810 | 1.68 | 1.51 | 1.34 |
| 6CW5/ELB6 | 1.23 | 1.11 | . 98 | 6GH8A | 1.60 | 1.44 | 1.28 | 6KU8 | 2.40 | 2.16 | 1.92 | 88489 | 1.73 | 1.56 |  |
| $6 \mathrm{CX8}$ | 2.13 | 1.92 | 1.70 | 6GJ5A | 2.80 | 2.52 | 2.24 | 6KV8 | 2.93 | 2.64 | 2.34 | 88411 | 2.00 | 1.80 | 1.60 |
| 6CY5 | 1.60 | 1.62 | 1.44 | 6GJ7/ECF801 | 1.55 | 1.40 | 1.24 | 6KYga | 3.63 | 3.27 | 2.90 | 88 Br | 1.68 | 1.51 | 1.34 |
| 6 Cr 7 | 1.53 | 1.38 | 1.22 | 6GK5/6F03A | 1.93 | 1.74 | 1.54 | $6 \mathrm{KZ8}$ | 1.70 | 1.53 | 1.36 | 88 M 11 | 1.95 | 1.76 | 1.56 |
| 6625 | 2.08 | 1.67 | 1.66 | 6GK6 | 1.50 | 1.35 | 1.20 | 616 | 4.40 | 3.96 | 3.52 | 8888 | 1.85 |  |  |
| 6010 | 1.93 | 1.74 | 1.54 | $6 \mathrm{CL7}$ | 2.90 | 2.61 | 2.32 | 61651 | 2.28 | 2.05 3.13 | 1.82 2.78 | 8805 88011 | 1.38 2.15 | 1.24 1.94 | 1.10 1.72 |
| 6044 | 1.53 | 1.38 | 1.22 | 6GM5 | 1.53 | 1.38 | 1.22 | 617 | 3.48 | 3.13 2.12 | 2.78 | 88011 88011 | 2.15 2.05 | 1.94 1.85 | 1.72 1.64 |
| $6 \mathrm{6B5}$ | 2.50 | 2.25 | 2.00 | 6GM6 6 /ECC8 6 | 1.38 2.18 | 1.24 1.96 | 1.10 1.74 | 6188 6168 | 2.35 2.10 | 2.12 1.89 | 1.88 1.68 | 88011 $8 \mathrm{CG7}$ | 2.05 | 8Fa71 | 1.64 |
| 60C6 $60 / 8 \mathrm{CBF} 9$ | 1.78 1.53 | 1.60 1.38 | 1.42 1.22 | 6GM8/ECC8 6 6GN8 | 2.18 2.15 | 1.96 1.94 | 1.74 1.72 | 6LC8 | 2.10 3.10 | 1.89 2.79 | 1.68 2.48 | ${ }_{8 C M 7}$ | 1.35 | 1.22 | 1.08 |
| 60CP/EBF89 6DE4 | 1.53 1.60 | 1.38 1.44 | 1.22 | 6GN8 | 2.15 1.88 | 1.94 1.69 | 1.72 1.50 | 6LE8 | 3.10 1.93 | 2.79 1.74 | 2.48 1.54 | $8 \mathrm{CN7}$ | 1.35 | 1.22 1.38 1.38 | 1.22 |
| 6DE6 | 1.20 | 1.08 | . 96 | 6GT5A | 2.70 | 2.43 | 2.16 | 6LH6 | 3.40 | 3.06 | 2.72 | $8 \mathrm{CS7}$ | 1.53 | 1.38 | 1.22 |
| 6DE 7 | 1.83 | 1.65 | 1.46 | 6GU5 | 2.05 | 1.85 | 1.64 | 648 | 2.05 | 1.85 | 1.64 | CW5 | 1.28 | 1.15 | 1.02 |
| 60G6GT | 1.93 | 1.74 | 1.54 | 6GU7 | 1.60 | 1.44 | 1.28 | 61.98 | 2.10 | 1.89 | 1.68 | $8 \mathrm{CW5} / \times$ L 6 | 1.28 | 1.15 | 1.02 |
| 60K6 | 1.16 | 1.06 | . 94 | 6GU5 | 2.08 | 1.87 | 1.66 | 6LN8/LCF80 | 1.20 | 1.08 | .96 | $8 \mathrm{Cx8}$ | 2.20 | 1.98 | 1.76 |
| 6DL5/EL95 | 1.48 | 1.33 | 1.18 | 6GV8/ECL85 | 1.55 | 1.40 | 1.24 | $6 \mathrm{LO8}$ | 2.53 | 2.28 | 2.02 | $8 \mathrm{EB8}$ | use | 8GN8 | 8 8B8 |
| 6DM4A | 1.68 | 1.51 | 1.34 | 6GW6 | use 6 | 60068/ | 6GW6 | 6178 | 1.35 | 1.22 | 1.08 | 8EM5 | 1.70 | 1.53 1.87 | 1.36 |
| 6DN6 | 3.50 | 3.15 | 2.80 | 6GW8/ECL86 | 1.53 | 1.38 | 1.22 | 6108 | 2.38 | 2.14 | 1.90 | 8 ET | 2.08 |  |  |
| 6DN7 | 1.68 | 1.51 | 1.34 | 6GX6 | use | 6GY6/ | /6GX | 61×8/LCF802 | 1.30 | 1.17 | 1.04 | $8 \mathrm{FQ7/8CG7}$ | 1.18 |  | . 94 |
| 6005 | 3.93 | 3.54 | 3.14 | $6 \mathrm{GX7}$ | 1.85 | 1.67 | 1.48 | 61 ys | 1.78 | 1.60 | 1.42 | $8 \mathrm{GJ7}$ | 1.63 | 1.47 | 1.30 |
| 60068/6GW6 | 62.10 | 1.89 | 1.68 | 6GY5 | 2.30 | 2.07 | 1.84 | $6 \mathrm{M11}$ | 2.28 | 2.05 | 1.82 | 8GJ7/PCF801 | 1.63 | 1.47 | 1.30 |
| 6DR7 | 2.15 | 1.94 | 1.72 | 6GY6/6GX6 | 1.30 | 1.17 | 1.04 | 6 MDB | 2.43 | 2.19 | 1.94 | 8GN8/8E88 | 2.08 | 1.87 | 1.66 |
| 60S4 | 2.30 | 2.07 | 1.84 | 6 Gy 8 | 1.78 | 1.60 | 1.42 | 6ME8 | 2.10 | 1.89 | 1.68 | 8JU8A | 1.68 | 1.51 | 1.34 |
| 6055 | 1.83 | 1.65 | 1.46 | $6 \mathrm{GZ5}$ | 1.35 | 1.22 | 1.08 | 6 NT | 2.53 | 2.28 | 2.02 | $8 \mathrm{JV8}$ | 2.00 | 1.80 | 1.60 |
| 6DT5 | 1.78 | 1.60 | 1.42 | $6 \mathrm{H6}$ | 2.15 | 1.94 | 1.72 | 6N7GT | 2.60 | 2.34 | 2.08 | $8 \mathrm{8AB}$ | 2.13 | 1.92 | 1.70 |
| 6DT6a | 1.13 | 1.02 | . 90 | 6HA5 | use | 6HM5/ | /6HA5 | 607 | 2.95 | 2.66 | 2.36 | 8 CLB | 2.13 | 1.92 | 1.70 |
| 6DT8 | 1.88 | 1.69 | 1.50 | 6HA6 | use | 6HB6/ | /6HA6 | 6011 | use | 6K11/ | 16011 | 8 LT8 | 1.35 | 1.22 | 1.08 |
| 6DV4 | 3.23 | 2.91 | 2.58 | $6 \mathrm{HB5}$ | 2.10 | 1.89 | 1.68 | ${ }_{6 S 44}$ | 1.18 | 1.06 | . 94 | 9AB/8AB/ |  |  |  |
| $60 \mathrm{W4}$ | use | 6C/3/60 | DW48 | 6H86/6HA6 | 2.23 | 2.01 | 1.78 | 6S8GT | 2.08 | 1.87 | 1.66 | PCF8 | 1.20 | 1.08 | . 96 |
| 6DW5 | 1.93 | 1.74 | 1.54 | $6 \mathrm{HB7}$ | 1.83 | 1.65 | 1.46 | 6517 | 2.43 | 2.19 | 1.94 | 9AU7 | 1.33 | 1.20 | 1.06 |
| 60x8/ECL84 | 4 1.48 | 1.33 | 1.18 | 6HE5 | 1.85 | 1.67 | 1.48 | 6SA7ct | 2.20 | 1.98 | 1.76 | 98111 | 2.40 | 2.16 | 1.92 |
| 6024 | use | 6AF4A/ | 16014 | $6 \mathrm{HF5}$ | 3.65 | 3.29 | 2.92 | 6SB7Y | 2.98 | 2.68 | 2.38 | $98 \mathrm{R7}$ | 1.58 | 1.42 | 1.26 |

## RECEIVING TUBES (Cont.)



## LAFAYETTE Budget-Priced TV Picture Tubes <br> Net price "with Dud" based on your prepaid shipment or deliv-

 ery of old picture tube (Dud). Returned tubes must be intact, under vacuum and without scratches. Green glass duds not accepted. When ordering give stock number and type. Every black / white picture tube is top quality-made of entirely new materials except the glass, which is tested and inspected to meet new-glass standards. Color tubes may use other parts. * Indicates aluminized screens. I Indicates metal tubes. Indi. cates bonded face. When no price appears under column headed "NET LESS DUD," tube is available only with return of your 24 lbs. 19.26 10 10.; 20.; 14-16 10s.; $16-22$ ibs.; 17. old tube.



## ONE-YEAR GUARANTEE

Tubes falling in normal use within 1 year will be replaced. You pay only transportation. All tubes are made of entirely new materials except the glass which may be re-used after test inspection and refurbishing to meet new slass standards.
NOTE: WE WILL FILL YOUR ORDER WITH EITHER A G.E. OR AN RCA TUBE DEPENDING UPON STOCK AVAILABILITY.

YOUR OLD TUBE IS WORTH MONEY
Net price "with Dud" base on your prepaid shipment or delivery of old picture tube (Dud). Returned tubes must be Intact. under vacuum and without scratches, Green glass duds not accepted. When ordering give stock number and type.

General Electric and RCA

## Picture Tubes

## aVERAGE SHIPPING WEIGHTS FOR PICTURE TUBES

Tube Preflx Avg Shpgwt Tube Prefix Avg Shpg wt Tube Prefix Avg Shpg wt


The prefix of the picture tube is determined by the first two digits in the Type No.


GENERAL ELECTRIC AND RCA PICTURE TUBES (Con't.)


## TUBE PIN STRAIGHTENER

5 way tube pin straightener. For 8 and 10 compactron, 7 and 9 pin miniature, and nuvistors. stack moulded plastic $574^{\prime \prime}$ long $\times 11 / 4^{\prime \prime}$ wide. Mounts in any convenient location.
13 H 3250 ..... Shpg. wt., 3 oz. ...... Net ea. . 39

## INSULATED TUBE PULLERS

Straight type (about $8^{\circ}$ long) and bent type (about $7^{\mathrm{m}}$ long). Imoorted. Shpg. wt., 1 lb : 99 H 8051 Straight $8^{\prime \prime}$ 99 H 8052 Bent $7^{\prime \prime}$ Net ea. . 59 .

## RCA RECEIVING TUBE MANUAL RC25



## pl

 complete technical data on all current tubes. Features tube theory written forr the layman, application information and a circuit section. Tuner, receiver, amplifier, intercom and other clreuit diagrams, socket dlagrams, tube dimension drawings, resistancecoupled amplifier data, etc. 608 pages. 10 H 4701 Shpg. wt., $11 / 2 \mathrm{lb}$........ Net 1.25


Net 1.25

## Mullard High Fidelity Tubes <br> Matched Pairs (Types ending in MP)

Premium quality tubes widely used by Hi-Fi equipment manufacturers. Tube types are directly interchangeable with equivalent types listed. Imported from England. Average shpg. wt., 8 oz.

Consists of 2 of the type, measured and tested to be within close tolerance of each other to assure maximum balanced output. Average shpg. wt., 1 lb .

When ordering please place letters MD before type no.: example, MD-EL34.

| Stock No. | When ordering pieas |  |  | Stoct Mo. | Tube Type | Equiv. Type Net |  | Stock No. Tube Type |  | Equiv. Type | Nit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Túse Type | Equiv. Type | Net |  |  |  |  |  |  |  |  |
| 36 H 5382 | DAF96 | 1AH5 | 1.30 | 36 H5407 | EF86 | 6267 | 1.30 | 36 H 5431 | UCLI 2 | 508路8 | 1.50 |
| 36 H 5383 | DF96 | 1 AJ 4 | 1.62 | 36 H 5408 | EF89 | 6046 | 1.43 | 36 H 5432 | UF86 | 4585 | 1.63 1.62 |
| 36 H 5384 | DK96 | $14 \mathrm{B6}$ | 1.71 | 36 H 5409 | EF93 | 68A6 | 1.05 | 36 <br> 36 | UY85 | 3883 | 1.33 |
| 36 H 5385 | DM70 | 1 ml | 1.20 | 36 H 5410 | EF94 | 6 6ug | . 98 | 36 H 5435 | 7025 | 38.3 | 1.55 |
| 36 H 5386 | EABC80 | 6AK8 | 1.68 | 36 H 5411 | EF95 | GAR5 | 2.25 | 36 H H 5436 | 7189 |  | 1.43 |
| 36 H 5387 | E891 | 6 AL5 | . 95 | 36 H 5412 | EF183 | 6EH7 | 1.93 | 36 H 5437 | 7247 |  | 1.60 |
| 36 H 5388 | EBC81 | 6BD7A | 2.01 | 36 H 5413 | EF184 | 6E17 | 1.73 |  |  |  |  |
| 30 H 5389 | EBC91 | 6av6 | . 88 | 36 it 5414 | EK90 | 68E6 | 2.20 |  | ATCH | D-PAIRS |  |
| 36 H 5390 | EBF89 | 6DC8 | 1.53 | 36 H 5415 | E134 | $6 \mathrm{CA7}$ | 2.68 3.55 |  |  |  |  |
| 36 H 5391 | EC92 | 6 AB4 | 123 | 36 H 5416 | EL37 |  | 3.55 | Stock No. | Tube Type | Equiv. Type | Net |
| 36 H 5392 | EC97 | 6 FY5 | 1.38 | 36 H 5417 | EL84 | 6BQ5, N709 | 1.33 | 36 H 5438 | ECL82MP | 6BM8MP | 4.08 |
| 36 H 5393 | ECC81 | 12AT7 | 1.43 | 36 H 5418 | EL86 | 6 CW5 | 1.23 | 36 H 5439 | ECL86MP | 6AW8MP | 4.35 |
| 36 H 5394 | ECCA2 | 12aU7 | 1.18 | 36 H 5419 | EL90 | 6 AR5 | 1.13 | 36 H 5440 | EL34MP | 6CA7MP | 6.10 |
| 36 H 5395 | ECCB3 | $12 \mathrm{~A} \times 7$ | 1.25 | 36 H 5420 | EL95 | 6DL5 | 1.48 | 36 H 5441 | EL37MP |  | 7.70 |
| 36 H 5396 | ECCES | 6A08 | 1.50 | 36 H 5421 | EM34 | $6 \mathrm{CD7}$ | 2.49 | 36 H 5442 | EL84MP | 6805 MP | 3.43 |
| 36 H 5397 | ECCB8 | 6018 | 2.23 | 36 H 5422 | EM84 | $6 F 66$ | 1.68 | 36 H 5443 | EL86MP | 6CW5MP | 3.66 |
| 36 H 5398 | ECF80 | 68.8 | 1.20 | 36 H 5423 | E280 | 6 V 3 | . 80 | 36 H 5444 | EL90MP | 6A05MP | 3.00 |
| 36 H 5399 | ECF82 | 6 U | 1.86 | 36 H 5424 | E281 | 6CA4, U709 | 1.15 | 36 H 5445 | EL95MP | 60L5MP | 4.26 |
| 36 H 5401 | ECH81 | 6A18 | 1.40 | 36 H 5425 | E290 | 6x4, U707 | . 90 | 36 H 5446 | KT66MP | - | E.43 |
| 36 H 5402 | ECL80 | 62B8 | 1.63 | 36 H 5426 | 6234 | 5AR4, U77 | 2.13 | 36 H 5447 | KT77MP | - | 11.64 |
| 36 H 5403 | ECL82 | 68M8 | 1.45 | 36 H 5427 | HCC85 | 17EW8 | 1.38 | 36 H 5448 | KT88MP |  | 13.80 |
| 36 M 5404 | ECL86 | 6GW8 | 1.53 | 36 H 5428 | KT66 | - | 3.88 | 36 H 5449 | UCL82MP | 508M8MP | 4.08 |
| 36 H 5405 | EF80 | $68 \times 5$ | 1.53 | 36 H 5429 | KT77 |  | 5.37 | 36 H 5450 | UL84MP | 4585MP | 3.69 |
| 36 H 5406 | EF85 | 6 BY 7 | 1.53 | 36 H 5430 | KT88 | $\square$ | 6.55 | 36 H 5451 | 7189MP |  | 4.17 |

## MULLARD MASTER 10 M 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 | Het | Stock No. | 109 Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 36 H 5365 | 6AB8 | 2.75 | 36 H 5366 | $60 \times 8$ | 2.85 |
| 36 H 5364 | 6 6, 8 | 2.65 | 36 H 5372 | 6EH7 | 2.60 |
| 36 H 5371 | 6AK5 | 3.25 | 36 H 5373 | 6EJ7 | 2.60 |
| 36 H 5347 | 6AK8 | 2.80 | 36 H 5353 | 6ER5 | 2.40 |
| 36 H 5348 | 6 AL5 | 1.95 | 36 H 5361 | 6ES8 | 3.50 |
| 36 H 5376 | 6AQSA | 2.15 | 36 H 5327 | 6EU7 | 2.35 |
| 36 H 5358 | 6AD8 | 2.40 | 36 H 5354 | 6 FY 5 | 2.35 |
| 36 H 5349 | 6AT6 | 2.00 | 36 H 5329 | 6GK5 | 2.40 |
| 36 H 5370 | 6AU6A | 2.05 | 36 H 5363 | 6HG8 | 3.10 |
| 36 H 5350 | 6av6 | 1.95 | 36 H 5360 | 6J6A | 2.55 |
| 36 H 5369 | 6BA6 | 2.60 | 36 H 5333 | 6T8A | 2.80 |
| 36 H 5374 | 6BE6 | 2.10 | 36 H 5380 | 8HG8 | 2.65 |
| 36 H 5362 | 6BL8 | 3.05 | 36 H 5379 | 948 | 3.25 |
| 36 H 5375 | 6BC5A | 2.15 | 36 H 5355 | 12AT7 | 2.55 |
| 36 H 5352 | 6C4 | 2.85 | 36 H 5356 | 12AU7A | 2.20 |
| 36 H 5368 | 60A6 | 2.55 | 36 H 5378 | 12AV6 | 1.95 |
| 36 H 5351 | 60.8 | 2.65 | 36 H 5357 | 12AX7A | 2.20 |
| 36 H 5359 | 60J8 | 3.10 | 36 H 5342 | 120W7 | 2.55 |
| 36 H 5377 | 6015 | 2.55 | 36 H 5301 | 15 WS | 2.50 |

## 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. shpg. wt., 8 oz . are matched pairs

| Stock No. | Type | Replaces These Types | Tei |
| :---: | :---: | :---: | :---: |
| 36 H 5201 | CL-8739 | 12AT7. ECC81, 6060, 6201, 6679 | 2.90 |
| 36 H 5202 | CL-8749 | 12AU7, ECC82, 5814, 6067, 6189,6680 | 2.80 |
| 36 H 5203 | CL-8759 | 12AX7. ECC83. 5751, 6057. 6681, 7025 | 0 |
| 36 H 5204 | GL-D717 | 6AL5, E891, 5726, 6058, 6097, 6663 | 4.50 |
| 36 H 5205 | GL-KT66 | 6L6, EL37, 5881, 5932, 1614, 7027 | 50 |

pins. Individual plastic foam cushion packing. Any tube failling to give 10,000 hours of effective performance within 2 years from purchase may be returned for no charge replacement. Avg. shpg. wt., 802.

| Stock No. | 109 Type | Net | Stock No. | 10M Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 36 H 5367 | 6267 | 2.50 | 36 H 5363 | ECF86/6HG8 | 3.10 |
| 36 H 5345 | 7025 | 2.35 | 36 H 5364 | ECH81/6AJ8 | 2.65 |
| 36 H 5346 | 7247 | 2.55 | 36 H 5365 | ECL80/6AB8 | 2.75 |
| 36 H 5347 | EABC80/6AK8 | 2.80 | 36 H 5366 | ECL84/60X8 | 2.85 |
| 36 H 5348 | EB91/6AL5 | 1.95 | 36 H 5367 | EF86/6267 | 2.50 |
| 36 H 5349 | EBC90/6AT6 | 2.00 | 36 H 5368 | EF89/60A6 | 2.55 |
| 36 H 5350 | EBC91/6AV6 | 1.95 | 36 H 5369 | EF93/6BA6 | 2.00 |
| 36 H 5351 | EBF89/60C8 | 2.65 | 36 H 5370 | EF94/6AU6 | 2.05 |
| 36 H 5352 | EC90/6C4 | 2.85 | 36 H 5371 | EF95/6AKS | 3.25 |
| 36 H 5353 | EC95/6ER5 | 2.40 | 36 H 5372 | EF183/6EH7 | 2.60 |
| 36 H 5354 | EC97/6FY5 | 2.35 | 36 H 5373 | EF184/6EJ7 | 2.60 |
| 36 H 5355 | ECC81/12AT7 | 2.55 | 36 H 5374 | EK90/6BE6 | 2.10 |
| 36 H 5356 | ECC82/12AU7 | 2.20 | 36 H 5375 | EL84/6805 | 2.15 |
| 36 M 5357 | ECC83/12AX7 | 2.20 | 36 H 5376 | EL90/6A05 | 2.15 |
| 36 H 5358 | ECC85/6A08 | 2.40 | 36 H 5377 | EL95/60L5 | 2.55 |
| 36 H 5359 | ECC88/6018 | 3.10 | 36 H 5378 | HBC91/12AV6 | 1.95 |
| 36 H 5360 | ECC91/6J6 | 2.55 | 36 H 5379 | PCF80/9A8 | 3.25 |
| 36 H 5361 | ECC189/6ES8 | 3.50 | 36 H 5380 | PFC86/8HG8 | 2.65 |
| 36 H 5362 | ECF80/6BL8 | 3.05 | 36 H 5381 | PL84/15CW5 | 2.50 |
| Stock No. | Type | Replaces these Types |  |  | Het |
| 36 H 5206 | GL-KT77 | 6L6GB, EL34. 6CA7, 7581 |  |  | 5.50 |
| 36 H 5207 | CL.KT88 | 6L6GC, 6550, 7027A |  |  | 6.95 |
| 36 H 5208 | CL. N 709 | 6805. EL84 ............. |  |  | 3.80 |
| 36 H 5209 | CL-U52 | 5U4G, 5T4, 5931 |  |  | 2.90 |
| 36 H 5210 | \&L.U71 | SAR4, G730, G232, G234, 5V4 |  |  | 4.10 |
| 36 H 5211 | cl-U707 | 6X4, E290, 5993, 6063, 6202, 6203 |  |  | 4.10 |
| 36 H 5212 | CL.U709 | 6CA4, E281 ........... |  |  | 2.20 |
| 36 H 5213 | CL. 2729 | EF96, 6267. 6CFB |  |  | 3.00 |
| 36 H 5214 | CL-N709.MP* | Same Types as GL-N709 |  |  | 8.60 |
| 36 H 5215 | GL-KT66-MP* | Same Types as GL.KT66 |  |  | 10.00 |
| 36 H 5216 | GL-KT77-MP* | same same | es as GL-KT |  | 12.00 |
| 36 M 5217 | GL-KTE8-MP* |  | es as Cl-KT |  | 14.90 |



Light, compact caddy capable of holding up to 143 tubes. One fold-out compartment has snap fastened cover, other has built-in separator Extremely convenient caddy for carrying tools, wire, etc., as well as tubes. All wood construction, covered with plastic coated fabric Size: $15 \frac{7}{4} \times 12 \times 8^{\prime \prime}$. Shpg wt., 7 lbs.
12 H 1801 W
Net 9.55

## DELUXE TUBE CADDY $13^{95}$

- All Wood Construction-Reinforced
- Triple Hinged Fold Out Compartments

Holds up to 262 tubes. The three large compartments each has a divider built in. Tubes, tools and small parts can easlly be kept separate. One of the top compartments also has a masonite cover. All four bottom corners are metal reinforced. Covered in gray plastic coated fabric. Dverall size: $201 / 2 L \times 141 / 2 \mathrm{Hx} 8^{\prime \prime}$ W. Shpg. wt., $111 / 2$ los 12 H 55D2W

## Special Purpose Tubes RCA - GENERAL ELECTRIC - RAYTHEON



# RCA "TOP OF THE LINE" UNIVERSAL REPLACEMENT SEMICONDUCTORS 

Stock Up On These Top Quality Semiconductors! REPLACE. More Than 5200 Transistors!<br>More Than 2100 Rectifiers!

For radio. TV, phonograph, lape recorder, Hi-FI. Top quality semiconductors intended for replacement of more than 5200 tran. sistors and more than 2100 selenium and silicon rectifiers used in line and battery operated portable radios, phonographs, tape recorders, TV receivers, audio frequency
amplifiers, automobile radios, etc. SK series have electrical characteristics comparable with, or superior to, devices they replace. See "TOP-OF-THE-LINE" Solid-State Replacement Guide for Complete Replacement Selection!

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SK3003 Germanium, lpnp, alloy. Used in Audio Frequency Output, driver, and low. level amplifier stages (to 9 volts).
19 H 2750
SK 3004 Germanium, pnp, alloy. Used in Audio Frequency output, driver, and lowlevel ampliffer stages (to 15 volts).
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SK3005 Germanium, pnp, alloy. Used in RF amplifier, converter, and IF amplifier stages of standard broadcast-band radios (to 12 volts).
19 H 2752
Net 1.17
SK3006 Germanium, pnp, drift-field. Used in RF amplifier, If amplifier, and converter stages of $F M$ and $A M / F M$ receivers. (Up to 108Mc; up to 15 volts)

Net 1.26
19 H 2753
SK3007 Germanium, pnp, drift-field. Used in RF amplifier, If amplifier and con. verter stages in all-wave receivers (up to 30 Mc ; up to 15 volts)
19 H 2754
Net 1.26
SK3008 Germanium, pnp, drift-field. Used in RF, IF and Converter stages in standard broadcast-band auto radios, and in battery-operated radios (to 15 volts).
19 H 2755
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SK3009 Germanium, pnp, alloy. Used in audio output stages of auto radios, high fidelity amplifier and communication equipment.
19 H 2756
Net 2.34
\$K3010 Germanium, npn, alloy. Used in Class A voltage amplifier and driver stages (up to 15 volts).
19 H 2757
Net 1.26
SK3011 Germanium, npn, alloy. Used in RF amplifier, if amplifier, and converter stages of standard broadcast-band receivers (up to 18 volts).
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## LINEAR TYPES

SK3022 wide - Band Amplifier-Discriminator Used in sound IF amplifier stages of TV recelvers. TO-5 style package with 10 leads.
19 H 2769
Net 3.96
SK3023 Wide-Band Amplifier-Discriminator. Used in sound IF ampllfier stages of TV receivers. TO-5 style package with 10 formed leads.

SK3012 Germanium, pnp, alloy. Used in audio output stages of auto radios (up to 18 volts).
19 H 2759
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SK3013 Germanium, pnp, alloy. Consists of matched pair of SK3009 transistors. Used in push-pull audio output stages of auto radios, MI-FI ampllifier and communications equipment. Power output approximately 12 watts from 14.5 volt supply.

19 H 2760
Net 4.68
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 H 2761

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SK3015 Germanium, pnp, drift-field. Matched pair of SK3014 transistors. For pushpull audio output stages of auto radios. Hi -FI amplifiers and com. munications equlpment. Power output of approximately 15 watts from 16.5 volt supply.

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SK3018 Silicon, npn, planar. For use in VHF TV tuners, TV If amplifiers, FM tuners, and FM If amplifiers (up to 25 volts).
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SK3019 Silicon, npn, planar. For UHF oscillator stages.
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19 H 2767
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Sk3021 Silicon, npn, diffused. Audio frequency output stages in line operated radios, phonographs, and TV recelvers ( $O C$ supply voltages of 120 volts).
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## SILICON RECTIFIERS

For color and black and white TV recelvers, radio recelvers, Hi-Fi amplifiers, phonographs, etc.
SK3016 Silicon Rectifier. Peak Reverse Volts $=500$; DC output $=750 \mathrm{~mA}$ with capacitive loads, 1000 mA with resistive or Inductive loads.
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## EXPERIMENTERS SEMICONDUCTOR KIT

Assortment of 38 Desirable Semiconductors for Many Useful Purposes.
4 ea.-PNP General Purpose Transistors, 4 ea.-NPN General Purpose Transistors. 2 ea,-Power Transistor-T0-3 case. 4 ea.-Stud Mount Silicon Rectifiers; 2 amp, 200 PIV. 20 ea. -General Purpose Germanium Diodes. 4 ea.- $3 / 4$ Watt Zener Diodes (Assorted Voltages).


RCA "TOP-OF-THE-LINE"
Solid State Replacement Guide


Complete up-to-date Ifsting of over 5200 types of transistors and over 2100 types of rectiffers cross-referenced against RCA "Top-Of-The-Line" SK series semiconductors. Includes practically all types used in entertainment electronic equlpment, including U.S.A. industry-standard EIA types, foreign types, etc. Includes dimensional outlines, terminal diagrams, and gulde lines on use of SK transistors, silicon rectifiers, and integrated circults.
10 H 4709 Shpg. wi., 402,
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Top hat lead type silicon rectifiers. for TV, Radio, and power supplies as halfwave, full wave rectifiers and voltage doublers.
Type A: $750 \mathrm{Ma}, 400$ PIV @ $25^{\circ} \mathrm{C}$.
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.59
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$500 \mathrm{Ma}, 700$ PIV@ $90^{\circ} \mathrm{C}$.
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## TRANSISTOR AND

## RECTIFIER HEAT SINKS

## As Low As <br> 59


for 1 TO. 3 transistor. 22.8 sq . In. $\ddagger$
19 H 1527 Shpg. wt., 802. Net
For 1 TO. 36 transistor. 27.85 sq . in. $\dagger$
19 H 1525 Shpg. wt. 802 . Net 79 For 3 " Hex. rectiflers. 16.71 sq . In. 1 19 H 1526 Shpg. wt., 8 02.
for H. . Net For "he" Hex. rectiflers. 22.28 sq . In. $\dagger$ 19 H 1523 Shpg. wt. 802 . ...... Net .69 For lyic" Hex. rectifiers. 27.85 sc. in. $t$ i9 H 1524 Shpg. wt., 8 oz. ...........Net 79 for 2 rO .36 transistors. 70.28 sg . In. $\uparrow$ 19 H 1533

Net 1.60

## $\dagger$ = Radiating Surface

## STUD-MOUNT SILICON

## POWER RECTIFIERS

All popular models, $7 / 16^{\prime \prime}$ nexagonal mounting studs. Shpg. wt., 8 oz. per package. Pkgs. of 1,2 of 4 rectifiers
2 Ampere Rectifiers

| Stock No. | PIV | Pkg. of | Net |
| :--- | ---: | :---: | ---: |
| 19 H 5007 | 50 | 4 | .49 |
| 19 H 5008 | 100 | 2 | .39 |
| 19 H 5005 | 200 | 2 | .59 |
| i H 5006 | 400 | 2 | .97 |
| 12 Ampere Rectifiers |  |  |  |
| Stock No. | PIV | Pkg. of | Net |
| 19 H 5003 | 50 | 2 | 1.19 |
| 19 H 5004 | 100 | 1 | .77 |
| 19 H 4207 | 200 | 1 | .98 |
| i9 H 4208 | 400 | 1 | 1.69 |

50 Ampere Rectifiers $11 / 0^{\circ}$ " Hex

| Stock No. | PIV | Pkg. of | Net |
| :--- | ---: | :---: | ---: |
| 19 H 1514 | 50 | 1 | 2.49 |
| 19 H 1521 | 100 | 1 | 3.25 |
| 19 H 1522 | 200 | 1 | 4.25 |

GE-1 Mixer/Oscillator Converter, RF and IF Amplifier PNP Type.
REPLACES 2N: 112, A, 114, 123, 135, 136 139, 140, 247, 252, 409-413, A, 414, A, B, $415, A, 416,1313,1316-1319$. 1343. 1347, 1349-1351, 2171, 2172, 2225, 2375, 2400, 2401
2S: 12, 13, 25, $30,31,45,49,52,53$ $60,91,92,93,155,159,160,178$; 2SA: 12, 16, 44, 49, 51, 52, 53, 55, 69, $80,82,94,104,108,116,117,118$ $130,131,132,135,141,142,149,151$ 157. $160,171,173,189,204-216,220$, 222. 223. 224, 233. 234, 235, 239. 240, 254, 255, 258, 259, 263, 267, 270, 278. $283,284,323,351,352,403,404,406$. 407 i
2SB: 52. 157. 262.
19 H 2726
Net 1.20
GE. 2 PNP Type; Audio Frequency Amplifier REPLACES 2N: 43A. 44A, 54-56, 104-109, $130 \cdot 133,130 \mathrm{~A}-133$ A. 137, 138, A. B, 151. 175, 180, 181, 186-192, 186A-188A, 195200, 204.207. A, B, 215, 217, 220. 222-227. 237. 402-408, 404A, 407, 408 422, 460, 461, 1128.1130. 1144, 1145, 1997. 8, 2271, 2372, 3, 8, 2428, 9, 2431. 47, 48. 2469, 2613. 14. 2648. 2S: 14, 15, A, 22, 24, 32-34, 37-40, 43, $44,56,163,179$
2SA: $50.54,65-67,70.71,74-76,169$, 174, 176, 188, 250, 282.
2SB: 21, 23, 32, 33, 34, 37-42, 46-51. 53.57, 59, 60, 60A, 61, 64.67, 71, 74$78,85,87,89 \cdot 92,94,97 \cdot 102,107,110$ 117. $120,122,131,132,135,136,140$. 147. 153-156, 161-166. 168.176, 173A, B. 175A, B, 178, 183-189, 199, 200, 202. $215-225,240,242,243,263-268,272$, 282. 293, 303A, 324, 326-329, 370, 383.

## 19 H 2727

GE-3 PNP. AF Power Amplifier
REPLACES 2N: 155-157, A, 158, A, 176. 179, 230, 234. A. 235, A, B, 236 , A. B, 242, 250, A, 251, A, 255, A, 256, A, 257. A. B, G, W, 268, A, 285, A, B, 301A, 307A. 325, 350, 1029A, B, C. 1031 A, B, C. 1032A. B, 1261-1263. 1291. 1293, 1295, 1430, 1433-1435, 1501-1502, 1529 . 1560, 1529A-1532A, 1534A.1560A, 1651. 1653. 1666-1669, 1755-1762, 1905, 1971, 2061-2067, 2069-2070, 2138-2147, 2137A, 2294. 2296. 2357, 2358, 2565, 2612. 2S: 41. A.
258: 25-31, 123, 124. 149, 151-153. 228. 230-233. 248, A, 249-253, 250A, 251A, $253 \mathrm{~A}, 312$.
19 H 2728
GE. 4 PNP Tyoe. AF High Power Amplifier REPLACES 2N: 173,174, A $277,278,290$, 297. $A, 375,441-443,456, A, B, 457$. A, B, 458A, B, 459, 574, A, 575, A, 639, A. B, $1013 \mathrm{~A}, \mathrm{~B}, 109,1100,1157, \mathrm{~A}$, 1163A-1167A. 1168, 1358, A, 1362. 1363. 1412, 1518-1523, 1970, 1980-1982, 2075. 2082. 2075A.2082A, 2137. 2152.2159. 2152A-2154A, 2156A-2159A, 2210. 2490. 2493. 2728, 2732, 2793

2SB: 235, 236, 237, 258, 259, 260, 331-334, 351-354.
19 H 2729
Net 4.44
GE. 5 NPN Type. Mixer/Oscillator Converter. RF and AF Amplifier
REPLACES 2N: 193, 194, A, 211. 212, 216, 233, A. 356A. 357A, 358A. 377. 509. 517, 576, A, 585, 587. 594.596, 636. 1058, 1078. 1169, 1170, 1288, 89, 1302, 1304, 1306, 1308. 1310, 1311, 1366. 1367, 1594. 1605. A, 1891, 1933-1996.

19 H 2730
GE-6 NPN Type. Mixer/Oscillator Converter. RF Amplifier.
REPLACES $2 \mathrm{~N}: 78,94, \mathrm{~A}, 164 \mathrm{~A}, 167$, A, $168 \mathrm{~A}, 184,312,358,377 \mathrm{~A}, 440, \mathrm{~A}, 556-$ $558,634, A .635, A, 636 A, 815-824,1000$. 1012. 1086, A, 1087, 1090, 1091, 1112, 1114, 1198. 1199, 1297. 1299, 1624. $1672,1685,1694,1779-1781,1808.2085$. 2SC: 73, 78
19 H 2731
Met 1.83
GE-7 NPN Type. If Amplifier.
REPLACES 2N: 97.100, 97A, 98A, 103, 124. 127.145-150, 148A, 149A, 150A, 164.166, 168, 169, 172, 182, 183, 253, 254, 292.

GE. 7 (Cont'd)
293, 313, 314, 356, 385, 388, A, 438, A, 439. $A, 444, A, 445,446 A, 447 A, 448$, $449,679,797,1121,1217,1312,1473$. 2SC: 75, 76, 77, 89, 175, 176, 177.
2SD11, 2 SO64.
19 H 2732
Net 1.77 GE. B NPN Type AF Amplifier

REPLACES $2 \mathrm{~N}: 35,213$, A, 214, 228, 229, 306. A, 364.366, 447A. 647, 694, 1010 . 1059, 1101, 1173. 4. 5, A, 1251, 1431. 2354, 2430.
2SD: 61, 62, 63, 66, 77, 178.
19 H 2733
Net 1.29
GE.9 PNP Type. Mixer/Oscillator Converter. AF and IF Amplifier.
REPLACES 2N: 128, 129, 231, 232, 240, 299. 300, 344-346. 370-372. 500-503, $501 \mathrm{~A}, 502 \mathrm{~A}, 521 \mathrm{~A}, 522 \mathrm{~A}, 523 \mathrm{~A}, 544,642$. $645,695,700, A, 705, A .710, A .711$, A. B, 741, A. 768, 769. 779, A. 794.796, 828, 846, A $862,960.977,982,3,4$. 987. 993. 4, 1017, 18, 1023, 1065, 66, 1109. 1122A, 1177-1180. 1195, 1224, 1225, 1264, 1384, 5, 1395, 1411, 1436, $1444,5,1499, A, B, 1500,1524,5,6$, 7, 1561, 2. 1631, 1632, 1726, 7, 8, 1742. 3. $4,1746,7,8, A, 9,1754,1785-1790$, 1864-1868, 2048. 2059, 2089. 2209, 2258, 2259, 2273. 2360, 2654, 2671, 2672, 2S: 35. 36, 109, 110, 112, 141-143, 145, 146.
2SA: 17-21, 29-31, 35-40, 43, 57-60, $64,72,73.81,83,84,92,93,100-103$, 109.114. 121. 122, 124, 136. 137. 144. 146. 162, 163, 175, 180-183, 201-203, 236. 237, 246. 247, 256. 257, 260, 261. 266. 269, 272-276. 285-288, 296, 297, 342. 348. $350.353 .354,368$.

2S8: 158, 159, 160
19 H 2734
Net 1.26
GE-10 NPN. AF Ampllfier, Driver, Output
REPLACES 2N: 649, 1973, 1974. 1975,
1983-1988, 2194, A, 8, 2712, 2923-2926. 2S033. $2 S 075$.
19 H 2735 Net 1.20
GE.11 NPN. FM and RF Amplifier, FM Converter, UNF Oscillator

REPLACES 2N: 849, 914/51, 917, 955, A. 1005, 2586. 2711, 2715, 3035
2SC: 62, 250, 263
19 H 2736
Net 1.53
G-E ENTERTAINMENT SEMICONDUCTORS

| The | Net | Type | Net |
| :---: | :---: | :---: | :---: |
| 2N107 | 75 | 2N508 | 78 |
| 2N188A | 1.83 | 2N1415 | 1.02 |
| 2N190 | . 84 | 2N2160 | 1.65 |
| 2N324 | . 72 | 2N2160 | 1.65 |
| 2N404 | . 54 | 2N2868 | 1.89 |
| 1N91 Rectifiers |  |  |  |
| 1N91 | . 94 | 1N1695 | 帚 |
| 1N1692 | * | 1N1696 | \# |
| 1N1693 | 每 | 1N1697 | * |
| Stock No. |  | Type | Net |
| 19 H 2739 |  | E. 504A | 66 |
| 19 H 2740 |  | E-505 |  |

*use GE.504A

|  | Crystal Diodes |  |
| :--- | :--- | :--- |
| 1N34AS | .33 | 1N82A (Large)... |
| 1N60 | .96 |  |
| IN82A | .. .33 | IN295 |
| G-E COLOR TV RECTIFIERS |  |  |


| Stock No. | Type | Net |
| :--- | :--- | ---: |
| 19 H 2741 | GECR-1 | 3.09 |
| 19 H 2742 | GECR-2 | 1.47 |
| 19 H 2743 | GECR-3 | .06 |

G-E COLOR TV CRYSTALS

| Stock No. Type |  | Net |
| :---: | :---: | :---: |
| 19H2737GE-41 3579.545KC for |  |  |
| GE sets only |  | 3.36 |
| 19 H273EGE-42 3579.545KC for |  |  |
| other sets |  | 2.28 |
| G.E VAC-U-SEL | DUAL |  |
| Stock No. | Type | Net |
| 19 H 2744 | 6GC1 | . 60 |
| 19 H 2745 | 6GD1 | . 60 |
| 19 H 2746 | 6GX1 | . 60 |

Popular Semiconductors TEXAS INSTRUMENTS

|  | Transistors |  |  |
| :---: | :---: | :---: | :---: |
| Type | $\begin{gathered} \text { Met } \\ 1.99 \end{gathered}$ | Type | $\begin{array}{r} \text { Net } \\ 1.99 \end{array}$ |
| 2N250A | 1.73 | 2N1382 | 99 |
| 2N404 | . 42 | 2N1383 | . 92 |
| 2N456A | 1.80 | 2N1404 | . 58 |
| 2N696 | . 93 | 2N1540 | 1.58 |
| 2N710 | 1.34 | 2N1541 | 1.85 |
| 2N760 | 2.50 | 2N1671A | 3.20 |
| 2N968 | . 90 | 2N1671B | 3.55 |
| 2N974 | . 83 | 2N1893 | 3.42 |
| 2N1143 | 3.34 | 2N1908 | 11.25 |
| 2N1274 | . 50 | 2N2160 | 1.49 |
| 2N1302 | . 45 | 2N2188 | 1.28 |
| 2N1303 | . 45 | 2N2189 | 1.64 |
| 2N1304 | . 53 | 2N2635 | . 94 |
| 2N1305 | . 52 | 2N3702 | . 45 |
| 2N1306 | . 74 | 2N3706 | . 52 |
| 2N1307 | . 66 | 2N3707 | . 60 |
| 2N1370 | . 72 | 2N3708 | . 45 |
| 2N1371 | 1.14 | 2N3710 | . 49 |
| 2N1372 | . 81 | 2 N3711 | . 54 |
| 2 N 1373 | 1.20 | 2 N 3712 | 3.00 |
| 2N1378 | 1.29 | 2N3820 | 2.95 |
|  | Diodes and Rectifiers |  |  |
| Type | $\begin{gathered} \text { Net } \\ 1.99 \end{gathered}$ | Type | $\begin{gathered} \text { Net } \\ 1.99 \end{gathered}$ |
| 1N251 | . 65 | 1N540 | . 67 |
| 1N340 | 1.05 | 1 N547 | . 96 |
| 1N341 | 1.72 | 1 N602 | . 52 |
| 1N342 | 1.72 | 1 N645 | 1.40 |
| IN456 | . 42 | 1 N662 | . 66 |
| 1N457 | . 45 | 1N1612 | 1.07 |
| 1N459 | . 51 | 1N2069 | . 45 |
| 1N461 | . 42 | 1 N2070 | . 57 |
| 1N463 | . 48 | 1N2071 | . 72 |
| 1N536 | . 45 | 1N4001 | 45 |
| 1N537 | . 49 | 1N4002 | 49 |
| 1N539 | 60 | 1N4003 | . 60 |
| RCA <br> Diodes and Rectifiers |  |  |  |
|  |  |  |  |


| Type | Net | Type | Net |
| :---: | :---: | :---: | :---: |
| 1N1763A | . 39 | 1N3195 | 48 |
| 1N1764A | . 47 | 1N3196 | . 68 |
| 1N2326 | . 45 | 1N3253 | 35 |
| 1N2858A | . 30 | 1N3254 | 38 |
| 1N2859A | . 33 | 1N3563 | 86 |
| 1N2860A | . 36 | 1N3754 | . 30 |
| 1 N3193 | . 32 | 1N3755 | . 30 |
| 1N3194 | . 35 |  |  |
| Transistors |  |  |  |



| Type | MET |  | Type | $\begin{gathered} 1-2425.99 \\ \text { NET } \\ \hline \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1N429 | 5.40 | 4.85 | 1N821 | 2.75 | 2.35 |
| 1N746 | 1.50 | 1.50 | 1N1523 | 2.80 | 2.70 |
| 1N746A | 1.75 | 1.75 | 1N3016 | 2.60 | 2.45 |
|  |  |  | 1N3017 | 2.60 | 2.45 |

Prices d Specifications Suhiect to Change Without Notice.

# Semiconductors For Industry: Military And Commercial FOR: COMPLETE STOCKS-FAST SERVICE-FACTORY PRICES CONSULT OUR INDUSTRIAL ELECTRONICS DIVISONS 



INTEGRATED CIRCUITS TTL, DTL, RTL, RCTL, Linear Circuits


TRANSISTORS Silicon, Germanium, Field Effect, Tetrodes, Unijunction


DIODES and RECTIFIERS
Computer, Regulator,
Varactor, Thyristors, Schottky-Barrier


INTEGRATED CIRCUITS Linear types, Digital types

## RCA SEMICONOLCTORS



DIODES and RECTIFIERS Silicon, Germanium Rectifier Stacks, SCR's.Thyristors, Triacs, Tunnel Diodes

## DICIESONZ Zener Diodes

# ALLEN BRADLEY - OHMITE - IRC RESISTORS <br> Molded, insulated resistors that meet rigid MIL.R. 

11E specifications, EIA (RETMA) color coded. Brand new factory-fresh stock with $11 / 2^{\prime \prime}$ leads. Mil. equily. as follows: $1 / 4$ watt, RC. 07 GF ; $1 / 2$ watt RC. 20 GF ; 1 watt. RC. 32GF; 2 watt. RC-42GF. Body sizes: $1 / 2$ watt $1 / 4^{\prime \prime} x$
 "1o" $x$ Kí". "Avalable only in $1 / 2$ watt size-no mil specification
10\% RESISTORS
SELECT FROM CHART BELOW

Not Each
MAY Be ASSORTED
Nol Each ASST. MIN. 100 PER VALUE

| STOCK NO. WATIS |  | RANGE SEE CHART BELOW | Y BE |  |  | ASST.-MIN. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1.4 | 49 | $50.4 p$ | $\begin{aligned} & 100- \\ & 249 \end{aligned}$ | $\begin{aligned} & 250 . \\ & 499 \end{aligned}$ | $\begin{aligned} & 500 . \\ & 999 \end{aligned}$ | IM.U |
| 32 H 0959 | 3/6 |  | me | . 24 | . 20 | . 16 | . 14 | . 122 |  |  |
| $32 \mathrm{HO95OC}$ | 1/4 | 2.7 ohms to 8.2 ohms | . 14 | . 12 | . 07 | . 055 | . 05 | . 044 | 03 |
| $32 \mathrm{HOg51C}$ | 1/4 | 10 ohms to 22 meg | . 13 | . 11 | . 07 | . 05 |  |  |  |
| 32 H 0952 C | 1/2* | 1 ohm to 2.2 ohms | . 13 | .11 | . 07 | . 05 | . 05 | . 04 | . 034 |
| 32 H 0937 C | 1/2 | 2.7 ohms to 22 meg | . 12 | . 10 | . 06 | . 04 | . 04 | . 032 | 03 |
| 32 H 0938 C | 1 | 2.7 ohms to 22 meg | . 18 | . 15 | . 09 | . 06 | . 055 | . 050 | . 04 |
| 32 H 0939 C | 2 | 10 ohms to 22 me | . 24 | . 20 | 15 | 11 |  |  |  |


| CHART OF AVAILABLE 10\% RESISTORS |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Onms | Ohms | Ohms | Otmm | Ohms | Ohms | Ohms | Ohms | Ohms | Megs | Megs |
| 1.0* | 4.7 | 22 | 100 | 470 | 2200 | 10k | 47k | 220 K | 1.0 | 4.7 |
| 1.5* | 6.8 | 33 | 150 | 680 | ${ }_{3300}^{2700}$ | ${ }_{15}^{12 \mathrm{~K}}$ | 568k |  | 1.2 | 5.6 |
| 1.8* | 8.2 | 39 | 180 | 820 | 3900 | 18k | ${ }_{82 \mathrm{~K}}^{6}$ | 3900 | 1.8 | ${ }_{8.2}^{6.8}$ |
| $2.7 *$ | 10 | 47 | 220 | 1000 | 4700 | ${ }_{2} 22 \times$ | 100 K | 470k | 2.2 |  |
| 2.7 3.3 | 12 15 | 56 68 | 270 330 | 1200 1500 | 5600 6800 | ${ }_{\text {2 }}^{27 \mathrm{k}}$ | 120k | 560 K 680 K | 1.2 3.7 3.3 | 12 15 |
| 3.9 | 18 | 82 | 390 | 1800 | ${ }_{8200} 880$ | 39k | ${ }_{180 \mathrm{k}}$ | ${ }_{8}^{680 \mathrm{~K}}$ | 3.3 3.9 | 15 |

5\% RESISTORS - SELECT FROM CHART BELOW

Net Each
MAY BE ASSORTEO
Net Each
ASST. AIN. 100 PER VALUE 100. $250 . \quad 500$ - $1 \mathrm{M} \cdot \mathrm{Up}_{\mathrm{p}}$

stock no. Watts change below | $32 H 0960 \mathrm{C}$ |
| :--- |
| 32 H 0956 C |
| 332 H 0957 C |
| 32 H 0958 C |
| 32 H 0940 C |
| 33 H 094 C |
| 32 H 0982 C |

$1.4 \quad 5.49 \quad 50.4 p$

| 1.4 | 5.49 | $50.0 p$ |
| :---: | :---: | :---: |
| .34 | .28 | .22 |
| .29 | .24 | .15 |
| .26 | .22 | .14 |
| .26 | .22 | .14 |
| .24 | .20 | .12 |
| .36 | .30 | .18 |
| .48 | .40 | .24 |


| .198 | .173 | .159 | .149 |
| :--- | :--- | :--- | :--- | :--- |
| .105 | .10 | .08 | .068 |
| .095 | .181 | .073 | .062 |
| .095 | .021 | .073 | .062 |
| .075 | .073 | .065 | .056 |
| .125 | .121 | .11 | .09 |
| .19 | .175 | .175 | .16 |

## CHART OF AVAILABLE 5\% RESISTORS

| Ohms | Ohms | Ohms | Ohms | Ohms | Ohms | Ohms | Ohms | Ohms | Megs | Megs |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $1.0 *$ | 4.7 | 22 | 100 | 470 | 2200 | 10 K | 47 K | 220 K | 1.0 | 4.7 |
| $1.1 *$ | 5.1 | 24 | 110 | 510 | 2400 | 11 K | 51 K | 240 K | 1.1 | 5.1 |
| $1.2 *$ | 5.6 | 27 | 120 | 560 | 2700 | 12 K | 56 K | 270 K | 1.2 | 5.6 |
| $1.3 *$ | 6.2 | 30 | 130 | 620 | 3000 | 13 K | 62 K | 300 K | 1.3 | 6.2 |
| $1.5 *$ | 6.8 | 33 | 150 | 680 | 3300 | 15 K | 68 K | 330 K | 1.5 | 6.8 |
| $1.6 *$ | 7.5 | 36 | 160 | 750 | 3600 | 16 K | 75 K | 360 K | 1.6 | 7.5 |
| $1.8 *$ | 8.2 | 39 | 180 | 820 | 3900 | 18 K | 82 K | 390 K | 1.8 | 8.2 |
| $2.0 *$ | 9.1 | 43 | 200 | 910 | 4300 | 20 K | 91 K | 430 K | 2.0 | 9.1 |
| $2.2 *$ | 10 | 47 | 220 | 1000 | 4700 | 22 K | 100 K | 470 K | 2.2 | 10 |
| $2.4 *$ | 11 | 51 | 240 | 1100 | 5100 | 24 K | 110 K | 510 K | 2.4 | 11 |
| 2.7 | 12 | 56 | 270 | 1200 | 5600 | 27 K | 120 K | 560 K | 2.7 | 12 |
| 3.0 | 13 | 62 | 300 | 1300 | $620 n$ | 30 K | 130 K | 620 K | 3.0 | 13 |
| 3.3 | 15 | 68 | 330 | 1500 | 6800 | 33 K | 150 K | 680 K | 3.3 | 15 |
| 3.6 | 16 | 75 | 360 | 1600 | 7500 | 36 K | 160 K | 750 K | 3.6 | 16 |
| 3.9 | 18 | 82 | 390 | 1800 | 8200 | 39 K | 180 K | 820 K | 3.9 | 18 |
| 4.3 | 20 | 91 | 430 | 2000 | 9100 | 43 K | 200 K | 910 K | 4.3 | 20 |
|  |  |  |  |  |  |  |  |  |  | 22 |

RESISTORS

Meet or exceed all MIL-R. 11 requirements Rated@ $1 / 2$-watt $137^{\circ} \mathrm{C}$ ambient temp; 1. watt@115 C; 2 -watt@ $70^{\circ} \mathrm{C}$. MiL equiv. RC-32. Write for quantity prices up to 999 .

$10 \%$ TOLERANCE-Select values with aster. ish from chart below.

| Stock No. |  | Range |  | et Each Assorted |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1.4 | $\begin{array}{r} 50 \\ 5.49 \quad 99 \end{array}$ |
| 34 H 6401C |  |  |  | 27 to 8.2 ohms 10 to 1500 ohms |  | 24 | 18.17 |
| 34 H | 02C | . 18 | 15.14 |  |  |
| $5 \%$ TOLERANCE - Select from all values in chart below. |  |  |  |  |  |
| $\begin{aligned} & 34 \text { H } 6403 C \\ & 34 \text { H } 6404 \mathrm{C} \end{aligned}$ |  | .24 to 9.1 ohms 10 to 1500 ohms |  | $\begin{aligned} & .47 \\ & .30 \end{aligned}$ |  |
|  |  |  |  |  |  |
| Ohms | Ohms | Onms | Onms | Omms | Ohms |
| 0.24 | 1.1 | 5.1 | 24 | 110 | 510 |
| 0.27* | 1.2* | $5.6{ }^{\circ}$ | 27* | 120* | 560 * |
| 0.30 | 1.3 | 6.2 | 30 | 130 | 620 |
| 0.33 * | 1.5* | 6.8 * | 33* | 150* | 680* |
| 0.36 | 1.6 | 7.5 | 36 | 160 | 750 |
| 0.39 * | 1.8* | $8.2 *$ | 39** | 180* | 820* |
| 0.43 | 2.0 | 9.1 | 43 | 200 | 910 |
| 0.47 * | 2.2* | 10* | 47* | 220* | 1000* |
| 0.51 | 2.4 | 11 | 51 | 240 | 1100 |
| 0.56 * | $2.7{ }^{\circ}$ | 12* | 56* | 270* | 1200* |
| 0.62 | 3.0 | 13 | 62 | 300 | 1300 |
| $0.68{ }^{*}$ | 3.3* | 15* | $68 *$ | 330 * | 1500* |
| 0.75 | 3.6 | 16 | 75 | 360 |  |
| $0.82{ }^{\circ}$ | 3.9* | 18* | 82* | $390{ }^{\circ}$ |  |
| 0.91 | 4.3 | 20 | 91 | 430 |  |
| 1.0* | $4.7{ }^{\circ}$ | 22* | 100* | 470* |  |

## OHMITE OHM'S LAW CALCULATOR



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 size $9 \times 3^{\prime \prime}$. Shpr. wt.. 202.
34 H 6302
IRC RESIST-D.GUIOE

u1)

## KIT OF 100 ALLEN BRADLEY RESISTORS



Designed especially for the serviceman. Here is a selection of 100 resistors of the mos 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 exactly the values in the list at right. Comes complete wlth hinged, plastic box. Shpg. wi., 2 tbs 32 H 9901

## POPULAR RESISTOR ASSORTMENTS

 1/10 WATT CARBON FILM RESISTORS- 100 Piece kit only

198 A fine selection of 100 miniature $1 / 10$ watt resistors. Especially useful where high resistance to heat, humidity and shock is important. Body size: $28^{\prime \prime}$ Long $x .08^{\prime \prime}$ Dia. Imported. Shpg. wt., 8 oz. 32 H 9903


A value packed assortment of carbon resistors. Kit of 100 resistors consists of $751 / 2$.watt and 251 -watt resistors. Wide range of resistance values in varled lolerances. All have the standard RMA color code and normal length axial leads. Shpg. wt., $1 / 2 \mathrm{lb}$. $\mathbf{3 2}$ H $\mathbf{6 0 0 0}$

Nel 1.98

## 1 WATT KIT

$198-50$ Pieces - Selected Values

Contains 2 each of the following selected ohmage values: 22-39.100$240 \cdot 330 \cdot 390 \cdot 470 \cdot 750 \cdot 1000 \cdot 2700 \cdot 3900 \cdot 4700 \cdot 6800 \cdot 8200 \cdot 22 \mathrm{~K}-33 \mathrm{~K} .47 \mathrm{~K}$ 120K-180K-200K-330K-470K-560K-1.8Meg 3.3 Meg Shpg. wt. 1202. 12 H 6001

# Mallory Power Resistors 

mallory vitreous enamel fixeo power resistors

8.12 .20 watt


25-50 watt

75.100-200 watt

Master Chart Resistance Values For Fixed iype Resistors. Specify Stock No. and Ohmage On Your Order.

| Ohms | Ohms | Dhms | Ohms | Ohms | Ohms | Ohms | Onms | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 f | 15** | 125 | $500^{\circ}+$ | 1250* | 4000* \# | 9000 | 17.500 |  |
| 1.5 | 20 | 150** | 600 | $1500 *+$ | 4500 * | $10,000{ }^{*}$ | 18,000 | 5,000* |
| $2 \#$ | $25 *$ + | 200** | 700 | 1750** | $5000 *+$ | 11,000 | $20.000+$ | $100.000^{\circ}+$ |
| $3 \%$ | 30 | 225 | $750 \%$ | 2000 + | $6000^{*}$ | 12,000 | 22,500 |  |
| 4 | 35 | 250* + * | 800 | 2250** | 7000 | $12,500+$ | $25,000 *$ |  |
| 5** | 40 | $300 *$ | 900 | 2500* + \% | $7500{ }^{*}$ | 13,500 | $30.000+$ \% |  |
| 7.5 | $50^{\circ}+$ | 350 | 1000 + | $2750{ }^{\circ}$ * | 8000 | 14,300 | 35,000 |  |
| 10*** | $75 \cdot 4$ | 400* | 1100 | 3000** | 8200 * | $15.000{ }^{+}$ | 40,000 + |  |
| 12 | $100 *$ \% | 450 | 1200 | 3500* \# | 8500 * | 16,000 | 45,000 |  |

## MALLORY POWER RESISTORS

Mallory power resistors are the finest quality wirewound on ceramic cores. They are covered with baked-on vitreous enamel and glve full wattage dissipation. Leads or lugs are firmly imbedded. Consult listings below and master charts for ohmages available in each type. BE CERTAIN YOUR ORDER SPECIFIES BOTH OUR STOCK NO. AND OHMAGE DESIRED.

## TYPE HHJ. 8 WATT FIXED

Available in all ohmages in chart through 25,000 ohms except values marked with - . Has both lugs and wire leads. Tube slze Kor $1^{\prime \prime}$. Tolerance $\pm 5 \%$ on all value above 10 ohms. others $\pm 10 \%$ Shpg. wt., 3 02. SPECIFY STOCK NO. AND OHMAGE ON YOUR ORDER.

| Stock No. | Ohms | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1.9 | 10.24 | 25.99 | 100-249 |
| $30 \mathrm{H} \mathrm{4807C}$ | 1.300 | 46 | . 39 | . 32 | . 28 |
| 30 H 4808C | 350.5000 | . 50 | . 43 | . 35 | . 30 |
| 30 H 4809 C | 6000-10,000 | . 53 | . 45 | . 37 | . 32 |
| 30 H 4810C | 12,500.15,000 | . 57 | . 47 | . 39 | . 34 |
| 30 H 4811 | 20,000 | . 61 | . 50 | . 42 | . 36 |
| 30 H 4812 | 25,000 | . 63 | . 52 | . 43 | . 38 |

## TYPE $1 \mathrm{HJ}-12$ WATT FIXED

Available in all ohmages in master chart thru 50,000 ohms, except 1.5 and 2750 ohms. Has both lugs and wire leads. Tube size $K_{0} \times 1 \frac{134^{\prime \prime}}{}$. Tolerance $\pm 5 \%$ on all values above 10 ohms, others $\pm 10 \%$. Shpg. wt. 402.
SPECIFY STOCK NO. ANO OMMAGE ON YOUR ORDER

| Stock No. | Ohms | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1.9 | 10-24 | 25.99 | 100.249 |
| 30 H 4813C | 1.1000 | . 51 | . 43 | . 36 | . 31 |
| 30 H 48146 | 1100-5000 | . 53 | . 45 | . 37 | . 32 |
| 30 H 4815 C | 6000-10,000 | . 63 | . 54 | . 44 | . 38 |
| 30 H 4816 C | 11,000-20,000 | . 71 | . 60 | . 50 | . 43 |
| 30 H 4817 C | 22,500-40,000 | . 75 | . 64 | . 53 | . 45 |
| 30 H 481 C | 45,000-50,000 | . 83 | . 71 | . 58 | . 50 |

## TYPE 2HJ. 20 WATT FIXED

Available in all ohmages in chart marked *Has both lugs and wire leads. Tube size $\boldsymbol{K}_{2} 2^{\prime \prime}$. Tolerance $\pm 5 \%$. Shpg. wi., 4 oz.
SPECIFY STOCK NO. AND OHMAGE ON YOUR ORDER

| Stock No. | Ohms | 1.9 | 10.24 | 25-99 | 100.249 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4819 C | 5-1500 | . 61 | . 52 | . 43 | . 37 |
| 30 H 4820 C | 1750-2500 | . 63 | . 54 | . 44 | . 38 |
| 30 H 4821 C | 2750-10,000 | . 75 | . 64 | . 53 | . 45 |
| $30 \mathrm{H} \mathrm{4822C}$ | 12,500-30,000 | . 77 | . 65 | 54 | . 46 |
| 30 H 4823 C | 35,000 50,000 | . 90 | . 77 | . 63 | . 54 |
| 30 N 4824 | 75,000 | 1.31 | 1.11 | . 92 | . 79 |
| 30 H 4825 | 100,000 | 1.44 | 1.22 | 1.01 | . 86 |

TYPE 2.5HJ-25 WATT FIXED
Avallable in all ohmages marked \#, lug terminals furnished with mounting feet. Tube size $\% \times 2{ }^{2 \prime}$. Tolerance $\pm 5 \%$. Shpg, wt., 602. SPECIFY STOCK NO. AND OHMAGE ON YOUR ORDER

| Stock $N_{0}$. | Ohms | 1.9 | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 10-24 | 25-99 | 100.249 |
| 30 H 4826C | 1.1500 | . 65 | . 55 | . 46 | . 39 |
| 30 H 4827 C | 2000-2500 | . 68 | . 58 | -48 | . 41 |
| 30 H 4828 C | 3000-10,000 | . 78 | . 66 | . 55 | . 47 |
| 30 H 4829 C | 12,500-25,000 | 81 | . 69 | . 57 | . 49 |
| 30 H 4830 C | 30,000.40,000 | . 94 | . 80 | . 66 | . 56 |
| 30 H 4831 | 50,000 | 1.09 | . 93 | . 76 | . 65 |
| 30 H 4832 | 75,000 | 1.28 | 1.09 | . 90 | . 77 |
| 30 H 4833 | 100,000 | 1.47 | 1.25 | 1.03 | . 88 |


| EXTRA MOUNTING FEET |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Stock No. | Type | For Use With | Net Ea. |  |
| 30 H 4834 | 30 V | 8,10 and 12 Watt | .03 |  |
| 30 H 4835 | 3 V | $20,25,50$ and 75 Watt | .06 |  |
| 30 H 4836 | 32 V | 100 Watt | .10 |  |
| 30 H 4837 | 33 Y | 200 Watt | .18 |  |

Avallable in all ohmages in chart marked with + . Tube size $K_{c} \times 4^{\prime \prime}$. Lug terminals. 2 mtg . feet furnished. Tolerance $\pm 5 \%$. Shpg. wt., 5 oz .
SPECIFY STOCK NO. AND OHMAGE ON YOUR OROER

| Stock No. | Onms | 1.9 | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4838 C | 10-1000 | . 99 | . 84 | . 69 | . 59 |
| 30 H 4839 C | 1500-5000 | 1.02 | . 87 | . 71 | . 61 |
| 30 H 4840 C | 7500-10,000 | 1.11 | . 94 | . 78 | . 67 |
| 30 H 4841 C | 12,500-20,000 | 1.21 | 1.03 | . 85 | . 73 |
| 30 H 4842 C | 25,000-40,000 | 1.39 | 1.18 | . 97 | . 83 |
| 30 H 4943 | 50,000 | 1.55 | 1.32 | 1.09 | . 93 |
| 30 H 4844 | 75,000 | 1.77 | 1.50 | 1.24 | 1.06 |
| 30 H 4845 | 100,000 | 1.92 | 1.63 | 1.34 | 1.15 |

## TYPE 7.5HJ. 75 WATT FIXED

Available in all ohmages in chart marked + . Tube size $K_{0} \times 6^{\prime \prime}$. Lug terminals, 2 mtg . feet furnished. Tolerance $\pm 5 \%$. Shpg. wt., 402 SPECIFY STOCK NO. AND OHMAGE ON YOUR ORDER

| Stock No. | Ohms | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4846C | 10-1000 | 1.17 | 99 | 82 | . 70 |
| 30 H 4847 C | 1500.5000 | 1.22 | 1.04 | . 85 | . 73 |
| 30 H 4848 C | $7500 \cdot 10,000$ | 1.30 | 1.11 | . 91 | . 78 |
| 30 H 4849 C | 12,500-20,000 | 1.40 | 1.19 | 98 | 84 |
| 30 H 4850C | 25,000-40,000 | 1.57 | 1.33 | 1.10 | . 94 |
| 30 H 4851 | 50.000 | 1.75 | 1.49 | 1.23 | 1.05 |
| 30 H 4852 | 75,000 | 1.99 | 1.69 | 1.39 | 1.19 |
| 30 H 4853 | 100,000 | 2.12 | 1.80 | 1.48 | 1.27 |

## TYPE 10HJ. 100 WATT FIXED

Available only in ohmages listed below. Tube size $1 / 4 \times 61 / 2^{\prime \prime}$. Tolerance $\pm 5 \%$. Lug Terminals. 2 mtg . Peet supplied. Shpg. wt., 402.
SPECIFY STOCK NO. AND OHMAGE ON YOUR OROER

| Stock No. | Ohms | 1.9 | $\begin{gathered} \text { Net } \\ 10-24 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { ch } \\ & 25.99 \\ & \hline \end{aligned}$ | 100-249 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4854 C | $\begin{aligned} & 25,50,100,150,250 . \end{aligned}$ | 1.38 | 1.17 | . 97 | 83 |
| 30 H 4855C | 1500, 2K, 2500, 5K | 1.44 | 1.22 | 1.01 | . 86 |
| 30 H 4856 C | 7500, 10,000 | 1.56 | 1.33 | 1.09 | . 94 |
| $30 \text { H } 4857 \mathrm{C}$ | 15,000 20,000 | 1.69 | 1.44 | 1.18 | 1.01 |
| 30 H 4858 C | 25K, 30K, 40K | 1.92 | 1.63 | 1.34 | 1.15 |
| $30 \text { H } 4859$ | $50.000$ | 1.99 | 1.69 | 1.39 | 1.19 |
| 30 H 4860 | 75,000 | 2.20 | 1.87 | 1.54 | 1.32 |
| 30 H 4861 | 100,000 | 2.46 | 2.09 | 1.72 | 1.48 |

TYPE 20HJ. 200 WATT FIXED
Available only in ohmages fisted below. Tube size $11 / 6 \times 101 / z^{\prime \prime}$. Tolerance $\pm 5 \%$. Lug terminals. 2 mtg . feet supplied. Shpg. wt., 1 lb. SPECIFY STOCK NO. ANO OHMAGF ON YOUR ORDER

| Stock No. | Onms | 1.9 | $\begin{gathered} \text { Net } \\ 10-24 \end{gathered}$ | $\begin{aligned} & \operatorname{ach} \\ & 25-99 \\ & \hline \end{aligned}$ | $100 \cdot 249$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 N 4862C | $\begin{aligned} & 25,50,75,100 \\ & 500,750,1000 \end{aligned}$ | 2.21 | 1.88 | 1.55 | 1.33 |
| 30 N 4863 C | $1500,2 \mathrm{~K}, 2500 \text {, }$ |  |  |  |  |
| 30 H 4864C | $3 \mathrm{~K}, 5 \mathrm{~K}$ $7500,10 \mathrm{~K}$ | 2.28 2.44 | 1.94 2.07 | 1.60 | 1.37 |
| 30 H 4865 | 20,000 | 2.60 | 2.21 | 1.82 | 1.56 |
| 30 N 4866C | 30,000-40,000 | 2.68 | 2.28 | 1.88 | 1.61 |
| 30 H 4867 | 50,000 | 2.77 | 2.35 | 1.94 | 1.66 |
| 30 H 4868 | 75,000 | 2.93 | 2.49 | 2.05 | 1.76 |
| 30 H 4869 | 100.000 | 3.11 | 2.64 | 2.18 | 1.87 |

## Mallory - Texas - IRC Resistors



Same fine quality 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 term. inals, tolerance $\pm 10 \%$, each supplied with 2 mtg . feet and one adjustable clip. Consult listings below and master chart for ohmages available in each type. Be CERTAIN TO SPECIFY STOCK NO. AND OHMAGE ON YOUR ORDER

|  | MASTER CHART OF VALUES FOR VARIABLE RESISTORS |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| ohms | Ohms | Ohms | Ohms | Ohms |
| $1^{*}+$ | $75^{\circ}+$ | $750 *$ * | $4000^{\circ}+$ | 12,000** |
| $2+$ | 100* + | 800 | 4500 | 15,000* + |
| $3{ }^{\circ}$ | $150 *+$ | $1000 * *$ | $5000 \%$ \% | 20,000* |
| $5^{\circ}+$ \% | 200* + * | 1250* | $600{ }^{*}$ | $25,000{ }^{\circ}+$ |
| 7.5 | $250{ }^{\circ}+$ | $1500+$ | 7000 | $30,000+$ |
| $10 * *$ | 300 * | $2000^{*}+$ | $7500{ }^{\circ}+$ | $35,000+$ |
| 15* | 350 | 2250 | 8000 | 40,000 |
| 20 | 400* + | $2500 \cdot *$ | 8500 | $50,000+\ldots$ |
| $25^{*}$ + | 500*** | $3000{ }^{\circ}+$ | 9000 | 75,000 + |
| 50*** | 600 | 3500* | $10,000 *+$ | $100,000+$ |

## TYPE IAV-10-WATT VARIABLE

Avallable in all ohmages in chart through 10,000 ohms. Tube size Kxplia". Shpg, wt., 302.
SPECIFY STOCK NO. AND OHMAGE ON YOUR ORDER

| Stock No. | Ohms | 1.9 | 10.24 | 25.99 | $100-249$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 30 H 4870C | $1.1,000$ | 1.00 | .85 | .70 | .60 |
| 30 H 4871C | $1250-5,000$ | 1.06 | .90 | .74 | .64 |
| $30 \mathrm{H} \mathrm{4872C}$ | $6000 \cdot 10,000$ | 1.14 | .97 | .80 | .68 |

## TYPE 2AV- 25 WATT VARIABLE

Available in all ohmages in chart marked with *. Tube size K $/ 1 \times 2$ ". Shpg. wt., $50 z$
SPECIFY STOCK NO. AND OHMAGE ON YOUR ORDER

| Stock Mo. | Ohms | 1.9 | 10.24 | 25.99 | $100 \cdot 249$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| $30 \mathrm{H} \mathrm{4873C}$ | $1 \cdot 1,000$ | 1.16 | .99 | .10 | .70 |
| 30 HH 4874 C | $1250-5,000$ | 1.19 | 1.01 | .83 | .71 |
| 30 H 4875 C | $6000-10,000$ | 1.28 | 1.09 | .90 | .77 |
| 30 H 4876 C | $12,000 \cdot 20,000$ | 1.32 | 1.12 | .92 | .79 |
| 30 H 4877 | 25,000 |  | 1.45 | 1.23 | 1.02 |


| EXTRA MOUNTING FEET |  |  |  |
| :---: | :---: | :---: | :---: |
| Steckre. | Type | For Use with | Met E2 |
| 30 H 4834 | 30 V | 8.10 and 12 Walt |  |
| 30 H 4835 | 31 V | 20. 25, 50 \& 75 Watt | . 06 |
| 30 H 4836 | 32 V | 100 Watt | . 10 |
| 30 H 4837 | 33 V | 200 Watt | . 18 |

## MALLORY TYPE MOL 5.WATT METAL OXIDE FILM RESISTORS

MOL resistors are low-cost, miniature, stable, axial-lead type with high rellablity oxide film is bonded to a ceramic base, with precision spiral providing exact resistance. Tolerance $\pm 10 \%$. Body size xi" $^{\prime \prime}$ dia $\times 134^{\prime \prime}$, with $11 / 2^{\prime \prime}$ leads. Shpg. wt., 3 oz.

| Stect Ma. | 0hmis | 1.99 | 100.249 | 250-498 | 500.999 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 49296 | $\left\{\begin{array}{lll} 100, & 120, & 150,180, \\ 330, & 220,270 \\ 1,000,1,200, & 560, & 680,820 \\ 1,000, & 1,800 \end{array}\right\}$ | .20 | . 14 | . 12 | . 09 |
| 30 H 4930 C | 2200, 2700, 3300, 3900 | . 22 | . 15 | . 13 | . 098 |
| 30 H 4931 C | 4700, 5600, 6800 | . 23 | . 16 | . 137 | . 103 |
| 30 H 4932 C | $8200,10,000$ | . 26 | . 16 | . 156 | .117 |
| 30 H 4933 C | 12K, 15K, 18K, 22K | . 30 | . 21 | . 178 | .133 |
| 30 H 4934 C | $\left\{\begin{array}{llll} 27 K, & 33 K & 39 K, & 47 K \\ 68 K & 82 K & 100 \mathrm{~K}, & 120 \mathrm{~K} \end{array}\right\}$ | . 32 | . 23 | . 195 | . 146 |

## TEXAS SILICON SENSISTOR SOLID STATE TEMPERATURE SENSING RESISTORS

## - Temperafure Compensating - Temperature Sensing

Used in countless applications from Geophysics to Missiles - Amplifiers - Power Supplies - Servos - Magnetic Amps - Computers - Telemetering.

Temperature coefficient of $0.7 \% /{ }^{\circ} \mathrm{C}$. Avallable in following standard resistances, in ohms

| STANDARO RESISTANCE YALUES |  |  |  |  |  |  |  |  |  | ENGINEERING SENSISTOR DESIGN KIT |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | 22 | 47 | 82 | 180 | 390 | 680 | 1500 | 3300 | 5600 |  |  |  |
| 12 | 27 | 50 | 100 | 220 | 470 | 820 | 1800 | 3900 | 6800 |  |  |  |
| 15 | 33 | 56 | 120 | 270 | 500 | 1000 | 2200 | 4700 | 8200 | 22 value |  | 10K Ohms |
| 18 | 39 | 68 | 150 | 330 | 560 | 1200 | 2700 | 5000 | 10,000 | 30 H 5169 |  | 9.50 ea . |

## NET EACH

| 30 H 5163C | TM 1/4 | $1 / 4$ | 10\% | $0.585^{\prime \prime} \times 0.2^{\prime \prime}$ | 4.00 | 3.50 | 3.00 | 2.50 | 2.20 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 5164C | TM 1/4 | 1/4 | 5\% | $0.585^{\prime \prime} \times 9.2^{\prime \prime}$ | 4.80 | 4.05 | 3.30 | 2.75 | 2.20 |
| 30 H 5165C | TM 1/8 | 1/8 | 10\% | $0.406^{\prime \prime} \times 0.140^{\prime \prime}$ | 5.00 | 4.50 |  |  | 2.40 |
| 30 H 5166C | TM 1/8 | 1/6 | 5\% | $0.406^{\prime \prime} \times 0.140^{\prime \prime}$ | 6.00 | 5.20 | 4.00 4.40 | $\begin{array}{r}3.20 \\ 3.50 \\ \hline\end{array}$ | 2.80 3.10 |
| 30 H 5167C | TC $1 / 8$ | 1/6 | 10\% | TO. 5 TRANS PACK | 5.00 | 4.50 | 4.00 | 3.20 | 3.10 2.80 |
| 30 H 5168 C | TC $1 / 4$ | 1/18 | 5\% | T0. 5 TRANS PACK | 5.00 | 5.20 | 4.40 | 3.50 | 3.10 |



TYPE 5AV-50 WATT VARIABLE
Available in all ohmages in chart through 50,000 ohms marked with + except 35.000 . Tube size $\mathrm{Kx} \times 4^{\prime \prime}$. Shpg. wt., 5 oz .
SPECIFY STOCK NO. AND OHMAGE ON YOUR ORDER

|  | Ohms | NerEach |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Slock Na . |  | 1.9 | 10.24 | 25.99 | 100.249 |
| 30 H 4878 C | 1. 1,000 | 1.51 | 1.28 | 1.06 | . 91 |
| 30 H 4879 C | 1,500-5,000 | 1.54 | 1.31 | 1.08 | . 92 |
| 30 H 4880 C | 7,500-10,000 | 1.62 | 1.38 | 1.13 | . 97 |
| 30 H 4881 C | 15,000-20,000 | 1.72 | 1.46 | 1.20 | 1.03 |
| 30 H 4982 C | 25,000-40,000 | 1.90 | 1.62 | 1.33 | 1.14 |
| 30 H 4883 | 50,000 | 1.99 | 1.69 | 1.39 | 1.19 |

TYPE 7.5AV-75 WATT
Available in all ohmages in chart through 50,000 ohms marked


| Stock No | lims | 1.5 | 0.24 | 25.99 | 00.249 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4884 C | 5. 1.000 | 1.59 | 1.44 | 1.18 | 101 |
| 30 H 4885 C | 1,500. 5,000 | 1.74 | 1.48 | 1.22 | 1.04 |
| 30 H 4886 C | $7.500 \cdot 10.000$ | 1.81 | 1.54 | 1.27 | 1.09 |
| 30 H 4887 C | 15,000-20,000 | 1.92 | 1.63 | 1.34 | 1.15 |
| 30 H 4888 C | 25,000-40,000 | 2.09 | 1.78 | 1.46 | 1.25 |
| 30 H 4889 | 50,000 | 2.27 | 1.93 | 1.59 | 1.36 |
|  | TYPE 10AV.1 | NATI | RIA |  |  |

Avallable in all ohmages in chart marked with + except 75. Tube size $3 / 4 \times 61 / 2^{\prime \prime}$. Shpg. wt. 1 lb
SPECIFY SIOCX MO. AND OHMAEE ON YOUR ORDER

| Stock lo. | Ohms | 1.9 | 10-2 | 5 | 23 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4890 C | 1.1 .000 | 1.95 | 1.66 | 1.3) | 1.17 |
| 30 H 4891 C | 1.500-5,000 | 2.01 | 1.71 | 1.41 | 1.21 |
| 30 H 4892 C | 7500, 10,000 | 2.13 | 1.81 | 1.49 | 1.28 |
| 30 H 4893C | 15,000, 20,000 | 2.26 | 1.92 | 1.58 | 1.36 |
| 30 H 4894 C | 25K, 30K, 35k, 40K | 2.49 | 2.12 | 1.74 | 1.49 |
| 30 H 4895 | 50,000 | 2.57 | 2.18 | 1.80 | 1.54 |
| 30 H 4896 | 75,000 | 2.81 | 2.39 | 1.97 | 1.69 |
| 30 H 4897 | 100,000 | 3.01 | 2.56 | 2.11 | 1.81 |

TYPE 20AV- 200 WATT VARIABLE
Available in all ohmages in chart marked . Tube size $11 / 6^{\prime \prime} \times 101 / 2^{\prime \prime}$ Shpg. wt. 1 to
SPECIFY STOCK NO. AND OHMAGE ON YQUR ORDER

| Stoct Mo | Thms | 1.9 | 10.24 | 23.99 | 100.24 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4898 C | $1 \cdot 1.000$ | 3.19 | 2.71 | 2.23 | 1.91 |
| 30 H 4899 C | 1500, 2K, 2500, 5 K | 3.26 | 2.77 | 2.28 | 1.96 |
| 30 H 4901 | 10,000 | 3.44 | 2.92 | 2.41 | 2.06 |
| 30 H 4902 | 20,000 | 3.62 | 3.08 | 2.53 | 2.17 |
| 30 H 4903 C | 25K, 30K | 3.81 | 3.24 | 2.67 | 2.29 |
| 30 M 4904 | 50,000 | 3.91 | 3.32 | 2.74 | 2.35 |
| 30 H 4905 | 75,000 | 4.09 | 3.48 | 2.86 | 2.45 |
| 30 H 4906 | 100,000 | 4.29 | 3.65 | 3.00 | 2.57 |

EXTRA ADJUSTABLE CLIPS

| EARA ADJUSTABLE CLIPS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock 10. | Ive | For Us | W10\% | NetE. |
| 30 H 4907 | IV |  | 10 Walt | . 05 |
| 30 H 4908 | $3 V$ | 25,50 and | 75 Watt | . 18 |
| 30 H 4909 | 4 V |  | 100 Watt | . 18 |
| 30 H 4910 | 6 V |  | 200 Watt | 21 |


| IRC PW-10 POWER RESISTORS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10 Watt wire wound resistors with axial leads. Rectangular ceramic body. $10 \%$ tolerance. Body size $17 / 0^{\prime \prime}$ Long $x$ 7/2" sq. |  |  |  |  |  |
|  |  |  |  |  |  |
| Ohms | Ohms | Ohms | Ohms | Ohms | 0 hms |
| 1 | 30 | 300 | 1000 | 3500 | 8500 |
| 2 | 40 | 350 | 1200 | 3900 | 9000 |
| 3 | 50 | 400 | 1250 | 4000 | 10,000 |
| 4 | 75 | 500 | 1500 | 4500 | 12,000 |
| 75 | 100 | 600 | 1750 | 5000 | 12.500 |
| 7.5 | 120 | 700 | 2000 | 6000 | 15,000 |
| 1015 | 125 | 750 | 2250 | 7000 | 20,000 |
|  | 150 | 800 | 2500 | 7500 | 25,000 |
| 20 | 200 | 820 | 3000 | 8000 |  |
| 25 | 250 | 900 | 33000 | 8200 |  |

33 H 4542C Be Sure to Specify Resistance 1.99 Assorted Net ea. . 36 100-up Assorted Net ea. . 36
Net ea. 25

## IRC RESIST-O-GUIDE



Pocket slze guide. identlifes resistance values and color code. Simply dial the colors or resistance values; corresponding data comes up automatically. MiI, E/A, and stand. ard values listed on reverse side.
33 H 4543
Net Ea, . 17

# Sockets, Connectors, Test Adapters 



Miniature transistor sockets of low loss liner filled phenolic. Contacts are of Beryllium copper, gold flashed over sliver plate. Fig. A Flat saddle mount. Fig. B-Ring mount, ring not included, Fig. C-for printed clicuit. Pin patterns shown below allow for versatile use of 3 or 4 lead transistors.


Rectangular mica fllied transistor sockets. Contacts same specs. as above. Type $D$ are ring mount. (Rling not included). Type $E$ are for printed circuit use.

| Stock No. | Fig. Contacts | Mfg. No. | Net |
| :---: | :---: | :---: | :---: |
| 32 H 4224 | D 3 | 05.0799 | . 10 |
| 32 H 4225 | D 4 | 05-0803 | . 11 |
| 32 H 4216 | E 3 | 05-0786 | . 12 |
| 32 H 4217 | E | 05.0805 | . 12 |
| 32 H 4227 | ating Ring | r Fig. D | 0 |

## POMONA TEST AOAPTERS

Ideal for in-circuit checking of voltage, resistance, audio and video from above chassis. $\dagger$ for use in sockets having captive shields. Shpg. wt., 6 oz.

| Stock No. | Type | Pins | Oescription | Each |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 5701 | TVS. 7 | 7 | Miniature | 1.65 |
| 33 H 5702 | TVS-8 | 8 | Octal | 1.75 |
| 33 H 5703 | TVS-9 | 9 | Miniature | 1.85 |
| 33 H 5707 | 1779 | 9 | Novar | 2.25 |
| 33 H 5711 | 2497 | 9 | Magnoval | 2.75 |
| 33 H 5712 | 2610 | 10 | Decal | 2.55 |
| 33 H 5708 | 1710 | 10 | Miniature | 2.25 |
| 33 H 5704 | TVS-12 | 12 | Compactron | 2.55 |
| 33 H 5705 | 1447 | 17 | Miniature | 1.85 |
| 33 H 5706 | 1449 | 19 | Miniature | 1.95 |

horizontal output
COLOR
TEST
ADAPTERS
For 6JE6, 6KM6. Test adapter with No. 3 Pin interrupted allows you, to measure and ad. Just the cathode current of output tubes without removing chassis. Shpg. wt., 802 . 33 H 5709

Net 3.75 For 6JS6, $6 \mathrm{JM6}$, similar to unit above, but with number 2 pin interrupted. Wt. 8 oz 33 H 5710

Net 3.95

## SET OF 10 TRANSISTOR SOCKETS



A set of ten universal transistor sockets at a low Lafayette price. Ideal for experimenters, hoobyists and kit builders. For 3-pin transistors in-line or 4 -pin types. Inciudes saddle mounts. Size: $3 / 6 \times 1 / 4^{\prime \prime}$. 99 H 6261 Shpg. wt., 202.

## ELCO VARICON

ELCO STANDARO SERIES-01. Connectors fea ture unique fork-like contacts which are self aligning have low mating force, low contact resistance, and high current capacity. Proper polarity is Insured by the arrangements of Eico's exclusive "Keying Control." Being modular the connector can be rapidly disassembled and rearranged for

|  |  | ANGLE BRACKET PLUGS |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mfg. No. | Contacts | 1.49 | $50+$ |
| 32 H 4228 | 01-1104-111-004 | 4 | . 32 | . 28 |
| 32 H 4229 | 01-1106-111-004 | 6 | . 41 | . 35 |
| 32 H 4230 | 01-1108-111-004 | 8 | . 49 | . 41 |
| 32 H 4231 | 01-1110-111.004 | 10 | . 60 | . 50 |
| 32 H 4232 | 01-2112-111-004 | 12 | . 73 | . 61 |
| 32 H 4233 | 01-2114-111-004 | 14 | 85 | . 72 |
| 32 H 4234 | 01-2116-111-004 | 16 | . 98 | . 82 |
| 32 H 4235 | 01-2118.111.004 | 18 | 1.03 | . 86 |


|  | ENCLOSED PLJGS WITH CABLE CLAMP |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mfg. No. | Contacts | 1-49 | $50-+$ |
| 32 H 4236 | 01.1104-105-004* | 4 | . 62 | . 52 |
| 32 H 4237 | 01-1106-104-004 | 6 | . 71 | . 59 |
| 32 H 4238 | 01-1108-104-004 | 8 | . 78 | . 66 |
| 32 H 4239 | 01-1110-104.004 | 10 | . 91 | . 77 |
| 32 H 4240 | 01-2112-104-004 | 12 | 1.10 | . 92 |
| 32 H 4241 | 01-2114-104-004 | 14 | 1.28 | 1.07 |
| 32 H 4242 | 01-2116-104.004 | 16 | 1.45 | 1.21 |
| 42 H 4243 | 01-2118-104-004 | 18 | 1.62 | 1.36 |


PLUGS WITH
RECESSED
HOUSING

| Con- |
| :--- |
| tacts |
| $1-49$ |
| $50+$ |

Mfg. No. tacts 1.49 50+

| .59 | .49 |
| :--- | :--- |
| 70 | 58 |

32 H 4245 01.1106.106.004 $\quad 6 \quad .70 \quad .58$ 32 H 4246 01-1108.106.004 $8 \quad .77 \quad .64$ | 32 H | 4247 | $01-1110-106-004$ | 10 | .94 |
| :--- | :--- | :--- | ---: | ---: |
| 32 H | 4248 | $01-2112-106-004$ | 12 | 1.14 |
| 2 |  |  |  |  | $\begin{array}{lllll}32 & \text { H } 4249 & 01-2114-106-004 & 14 & 1.31 \\ 1.09\end{array}$ $\begin{array}{llllll}32 & \text { H } 4250 & 01-2116 \cdot 106-004 & 16 & 1.48 & 1.24\end{array}$ $\begin{array}{llllll}32 & \text { H } 4251 & 01-2118-106-004 & 18 & 1.64 & 1.38\end{array}$

## 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 fube or chassis from set. 33 H 8723 Wt. 902 . Net 4.17 Similar to above, but for $90^{\circ}$ color tubes. Shpg. wt., 802. 33 H 8726

Net 5.85

## FOR BLACK ANO WHITE

 FOR BLACK \& WHITE TV (B) Test socket adapter for black and white CRT's except $110^{\circ}$. Permits in-cir cuit checks from readily accessible lugs. Shpg. wt., 402.33 H 8724
Net 1.11
$110^{\circ}$ test adapter for 8 pin TV picture tubes. 33 H 5713

Net 2.55 $100^{\circ}$ test adapter for 7 pin TV picture tubes. 33 H 5714

Net 1.95
LOW LOSS TRANSISTOR SOCKETS


Transistor sockets with mounting ears for top mounting.
33 H 87273 Pin .. Net . 54 33 H 87284 Pin .. Nel .54
special applications Ether plug or recep tacle contacts may be used inter-changeably in the same insulator. Mounting hardware is cadmium plated with clear chrome finish Cover assemblies are coated with blue black Vinyl. Contact material is nickel-silver, rated 9 Amp-115V maximum per contact. Insulator material is general purpose phenolic.


| ENCLOSED RECEPTACLES WITH CABLE CLAMP |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mfg. No. | Contacts | 1.49 | $50+$ |
| 32 H4256 | 01-3104-105-001* | 4 | . 60 | . 50 |
| 32 H 4267 | 01-3106-104.001 | 6 | . 67 | . 56 |
| 32 H 4264 | 01-3108-104-001 | 8 | . 76 | . 64 |
| 32 H 4265 | 01-3110-104-001 | 10 | . 86 | . 72 |
| 32 H 4262 | 01-4112-104-001 | 12 | 1.06 | . 89 |
| 32 H 4263 | 01-4114-104-001 | 14 | 1.21 | 1.02 |
| 32 H 4260 | 01-4116-104-001 | 16 | 1.38 | 1.15 |
| 32 H 4261 | 01-4118-104-001 | 18 | 1.54 | 1.28 |


|  |  | RECEPTACLES WITH RECESSEO HOUSING |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mfg. No. | Contacts | 1.49 | $50+$ |
| 32 H 4274 | 01.3104.106.001 | 4 | . 56 | 48 |
| 32 H 4275 | 01-3106-106-001 | 6 | . 66 | . 55 |
| 32 H 4272 | 01-3108-106-001 | 8 | . 77 | . 64 |
| 32 H 4273 | 01-3110.106-001 | 10 | . 89 | 74 |
| 32 H 4270 | 01-4112-106-001 | 12 | 1.09 | . 91 |
| 32 H 4271 | 01-4114-106-001 | 14 | 1.25 | 1.04 |
| 32 H 4268 | 01-4116-106-001 | 16 | 1.42 | . 1.18 |
| 32 H 4269 | 01-4118-106-001 | 18 | 1.57 | 1.31 |

TV PICTURE TUBE SOCKETS


MOLOED: New all molded duo-decal socket for std. CRT's. Complete with back plate, contacts, hardware. Less leads.
18 H 2713 Shpg. wt., 602.
Net 24 MOLDEO: Duo-decal TV socket with plastic cover. Pins 1, 2, 10, 11 and 12 wired. $18^{\prime \prime}$ leads.
18 H 2714 Shpg. wt., 8 oz . ............ Net . 90 Same as above wired for electrostatic and magnetic tubes.
18 H 2715 Shpg. wt., 8 oz. .......... Net . 96 $110^{\circ}$ SYLVANIA CRT SOCKET. Wired for easy replacement with 18 inch leads.
18 H 2716 Shpg. wt., 6 oz. ........... Net . 90 $110^{\circ}$ RCA CRT SOCKET. Wired for easy replacement, with 18 inch leads.
18 H 2717 shpg. wt., 602.
Net .69
Color CRT socket, for $70^{\circ}$ color tubes, wired with $18^{\prime \prime}$ leads.
18 H 2720
Net 3.15
Color CRT socket for $90^{\circ}$ color tubes wlil accept either RCA or Motorola fubes. Wired with $18^{\prime \prime}$ leads
18 H 2719
Net 3.15

## Elco, Amphenol, Eby Tube Sockets



## ELCO 7 AND 9 PIN SADDLE MOUNT SOCKETS

7 and 9 pin miniature sockets made to MIL S-12883A specs. Socket contacts are sillver-plated phosphor-bronze. All types are mica filled. *For top mount. $\dagger$ for bottom mount. Shpg. wt., 30 .

| Stock No. | Elco Type | Pins | Net ea |
| :---: | :---: | :---: | :---: |
| 32 H 4214 | 05-0703.08† | 7 | . 15 |
| 32 H 4215 | 05-0711-03* |  | . 15 |
| 32 H 4212 | 05-0903-07t | 9 | . 17 |
| 32 H 4213 | 05-0911-04* | 9 | . 17 |



8 Pin mica filled JAN type, saddle socket for bottom mounting. Silver plated phos-phor-bronze contacts, MILS- 12883 A specs. with grounding lugs. Shpg. Wt., 4 oz. 32 H 4203

Ea. . 30

## AMPHENOL OCTAL SADDLE SOCKET

 No, 168.015. Steel mounting plate molded in black bakelite. Uses $1^{\prime \prime}$ mounting hole with 14." centers. 32H2095

Net ea. . 20 Lots 50 ea. . 17 Lots 250 ea. . 14
AMPHENOL "RS" AND "RSS" SOCKETS Removable steel adapter plate with retainer ring allows replacement of most socket types. For mounting ctrs. from $1 \sqrt[2]{ } \mathbf{z}^{\prime \prime}$ to $17 / \mathbf{m}^{\prime \prime}$. Moided high dielectric black phenolic. Mounts in $13_{0}^{\prime \prime \prime}$ hole. $\dagger$ locktal socket. Avg. shpg. wt., 502.

| Stock No. | Mfg. No. | Prongs | $\begin{aligned} & 1 . \\ & 49 \end{aligned}$ | $\begin{aligned} & 50 \\ & 249 \end{aligned}$ | $\begin{aligned} & 250 . \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 2054 | 78-RS4 | 4 | . 25 | 21 | 174 |
| 32 H 2055 | 78.RS5 | 5 | . 23 | 22 | . 187 |
| 32 H 2056 | 78-RS6 | 6 | . 29 | 24 | . 20 |
| 32 H 2057 | 78.RS7S | 75 | . 31 | . 26 | 215 |
| 32 H 2058 | 78-RS8 | 8 | . 27 | . 23 | . 19 |
| 32 H 2059 | 78-RS8L $\dagger$ | 8 | . 38 | . 32 | . 269 |
| 32 H 2060 | 78-RS9 | 9 | . 30 | . 25 | . 207 |
| 32 H 2069 | 78-RS11 | 11 | . 34 | . 28 | . 235 |

High grade, very low loss steatite. excellent for high frequency transmitter circuits, etc. All are universal type. Have removable mounting plate. Slotted holes $11 / 2^{\prime \prime}$ to 1 sty" mtg . hole $11 / \mathrm{a}^{\prime \prime}$ except 49RSS7L which re. quires $13 / \mathrm{s}^{\prime \prime}$. Avg. shpg. wt., 5 oz.

| Stock No. | Mfg. No. | Prongs | $49$ | $\begin{aligned} & 50 \\ & 249 \end{aligned}$ | $\begin{aligned} & 250 . \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 206 | 49.RSSA | 4 | . 92 | . 77 |  |
| 32 H 206 | 49-RSS5 | 5 | . 94 | . 78 | . 657 |
| 32 H 2064 | 49.RSS6 | 6 | 1.40 | 1.17 | . 98 |
| 32 H 2065 | 49-RSS7 | 7 | 1.69 | 1.42 | 1.19 |
| 32 H 2066 | 49-RSS7S | 75 | 1.31 | 1.10 |  |
| 32 H 2067 | 49-RSS8 | 8 | 1.12 |  |  |

## AMPHENOL RELAY SOCKETS

No. 59.10614 CONTACT (FIG. A) 14 silver plated phosphor bronze contacts with hot tinned tails for easy soldering. Mica-filled phenolic dielectrlc. Steel saddle, cadmium plated. $1.125^{\prime \prime}$ mounting centers. Mounting hole is $.750^{\prime \prime}$ dia. Shpg. wt., 6 oz .
32 H 2103
Net ea. . 45 Lots of 50 , ea..... $38 \quad 250$, ea........ 32 OCTAL TYPE (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. Shpg. wt.. 8 oz .

$$
\text { Net Each } 100.250
$$

Stock No. Mfg. Type $1.24 \quad 25-99 \quad 249 \quad 499$

| 32 | H | 1904 | $146-103$ | 1.50 | 1.25 | 1.05 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | | 32 | H | 1991 | $146.104^{*}$ | 1.91 | 1.59 | 1.34 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | | 32 | H | 1992 | 146.203 | 1.50 | 1.25 | 1.05 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | | 32 | H | 1993 | $146-204$ | 1.91 | 1.59 | 1.34 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |



AMPHENOL MIN. 7 \& 9 PIN SOCKETS Amphenol sockets for TV, FM, auto radios etc. 147 -series mounts on $5 \mathrm{~g}^{\prime \prime}$ chassls hole with $7 / 0^{\prime \prime} \mathrm{mtg}$. ctrs. $1 / 0^{\prime \prime}$ screw holes. 59 series mounts in $3 / /^{\prime \prime}$ hole with $11 / 6^{\prime \prime}$ mtg. ctrs.. $095^{\prime \prime}$ rivet holes. " $125^{\prime \prime}$ rivet hole. $\ddagger$ Black Bakelite. † Mica-filled bakelite. Ave. 5 oz .

| Stock No. | Mfg. No. | No. of Cont | $\begin{gathered} 1-49 \\ \text { Ea. } \end{gathered}$ | $\begin{aligned} & 50 \\ & 249 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & 250 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 2078 | 147.500\$ | 7 | . 31 | . 26 | . 218 |
| 32 H 2079 | $147.505+$ | 7 | . 31 | . 26 | . 216 |
| 32 H 2080 | 59-409\$ | 9 | . 35 | . 29 | . 245 |
| 32 H 2081 | 59-410 $\dagger$ | 9 | . 36 | . 30 | . 253 |

## TOP MOUNTING TYPE_FIG. (B)

Socket with tube shield base to fit shields listed below.

| 32 H 2082 | $147.905 \ddagger$ | 7 | .35 | .29 | .242 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 32 H 2083 | $147.913 \dagger$ | 7 | .34 | .29 | .241 |
| 32 H 2084 | $59-403 \dagger$ | 9 | .51 | .43 | .359 |
| 32 H 2085 | $59.407 \dagger$ | 9 | .41 | .35 | .291 |
| 32 H 2086 | $59.406 \ddagger$ | 9 | .40 | .34 | .283 | TUBE SHIELDS_FIG. (C)

For 7-Contact Bases.

| $32 H 2087$ | $5-401$ | $13 / 0^{\prime \prime}$ | .21 | .18 | .147 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $32 H 2088$ | $5-402$ | $174^{\prime \prime}$ | .22 | .18 | .152 | For 9-Contact Bases.


| 32 | $H 2089$ | $5-405$ | $112^{\prime \prime}$ | .21 | .18 | .149 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 32 | $H 2090$ | $5-408$ | $111_{4}^{\prime \prime}$ | .25 | .21 | .177 |
| 32 | $H 2091$ | $5-409$ | $246^{\prime \prime}$ | .31 | .26 | .215 |



For new work. Single hole mounting. $1 \mathrm{Th}_{6}{ }^{\mathrm{m}}$ dia. Firmly held by tempered steel retainer ring. 9 and 11 prong sockets for Amphenol connectors. Moided high dielectric black phenolic. \& mounts in standard $1^{11} / \mathrm{m}^{\prime \prime}$ socket hole. Han miniature socket in center. © lock. tal socket. Avg. shpg. wt., 5 oz .

| ock No. | Mfg. No. | Prongs | $49$ | $\begin{array}{r} 50 \\ 249 \end{array}$ | $\begin{aligned} & 250 . \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 2068 | 78.S4 | 4 | . 18 | . 15 | , |
| 32 H 2069 | 78.S5 | 5 | . 19 | . 16 | 136 |
| 32 H 2070 | 78.56 | 6 | . 21 | . 18 | . 149 |
| 32 H 2071 | 78.57S | 75 | . 23 | . 20 | . 164 |
| 32 H 2072 | 78-58 |  | . 20 | . 17 | . 14 |
| 32 H 2073 | 78.586* | 8 | . 31 | . 26 | . 218 |
| 32 H 2074 | 78.59 | 9 | . 23 | . 19 | . 158 |
| 32 H 2075 | 78.S11 | 11 | . 26 | . 22 | . 185 |
| 32 H 2076 | 78.A7P | 7 | . 44 | . 37 | 311 |
| 32 H 2077 | 78.A9Pt |  |  | . 28 |  |


(A) Type 59.402. Low-loss bakelite duodecal socket for C.R. tubes. 12 prongs spaced on $1.063^{\prime \prime}$ dia., ring. Has removable cap. Shpg. ${ }^{\mathrm{wt}} \mathrm{H}^{5} \mathrm{Oz}$

## 32 H 2092

Net 93
(8) AMPHENOL 49.5Si1L. 11 contact steatite socket for cathoderay tubes. Has $1 \mathrm{Kam}^{a}$ pin circle. Mounts in $158^{\prime \prime}$ chassis hoie. Retainer ring supplied.
32 H 2102 Shpg. wt., 7 oz.
Net 1.59
(C) Type $\mathbf{1 4 6}$-101. Melamine. 8 contact octal
hif-voltage socket for fubes such as 5 U4G.
6L6G, etc
32 H 2094
Net .88


Molded high dielectric black phenolic, with molded-in plate for $11 / 2^{\prime \prime}$ mounting centers. $T$ type is mica-filled. 1 K $_{6}{ }^{\prime \prime}$ mounting hole except " $11 \%^{\prime \prime} \mathrm{mtg}$. hole $1 \mathrm{~K}_{0}{ }^{\prime \prime} \mathrm{mtg}$. ctrs. " $1 / 2_{2}{ }^{\prime \prime} \mathrm{mtg}$. hole, $\ddagger 1 \mathrm{x}_{0}^{\prime \prime \prime} \mathrm{mtg}$. hole, + loc. tal socket, Avg. shpg. wt., 5 oz .

| Stock No. | Mfg. No. | rangs | $49$ | $249$ | $\begin{aligned} & 250 . \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 2041 | 77-MIP. 4 | 4 | . 18 | 5 | . 124 |
| 32 H 2042 | 77-M1P-5 | 5 | . 20 | 16 | 13 |
| 32 H 2043 | 77.MIP. 6 | 6 | . 22 | . 18 | 15 |
| 32 H 2044 | 77-MIP.7L | 7 | . 26 | . 22 | 185 |
| 32 H 2045 | 77-MIP.7S | 75 | . 24 | . 20 | 16 |
| 32 H 2046 | 77-MIP-8 | 8 | . 20 | . 17 | 143 |
| 32 H 2047 | 77.MIP.8T | 8 | . 24 | . 20 | 69 |
| 32 H 2048 | 88-8* | 8 | 23 | 19 | . 158 |
| 32 H 2049 | 88.8X* $\dagger$ | 8 | 33 | 27 | 229 |
| 32 H 2050 | 77-MIP-9 | 9 | 24 | 20 | 16 |
| 32 H 1905 | 77-M1P.11 | 11 | . 27 | . 23 | 19 |
| 32 H 2052 | 77.MPP. 12 | 12 | . 28 | . 24 | . 199 |
| 32 H 2053 | 77.MIP-20 $\ddagger$ | 20 | . 64 | 53 | 447 |

Type $\mathbf{7 7}$ MIP8FK. Octal Socket with live rub. ber grommets fit into mig. holes for vibra. thon-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 H 1902 Net ea. 39 Lots of 50, ea. 33 Lots of 250 , ea. . 273

## EBY TUBE SOCKETS <br> COMPACTRON SOCKET



Mica filled 12 pin tube saddle type socket with four ground lugs. Shpg. wt. $11 / 20 z$. 33 H 8701

Net .30

## NOVAR SOCKET

Nine Pin (Novar) Sockef with bottom mount saddle plate. Shpg. wi., 402. 33 H 8725 Net ea. . 18

## NUUISTOR SOCKETS

5 and 7 pin sockets for nuvis tor tubes. * are general pur. pose bakelite. $\uparrow$ is mica-filled bakelite. Shpg. wt.. 2 oz 33 H 8719 +5 Pin 33 H 8720 * 7 Pin Net ea, 24
PRINTED CIRCUIT SOCKETS


MINIATURE TUBE SOCKET (A). General pur pose phenolic socket. Rapid mount. Snap action contacts.
33 H 87027 Pin 33 н 87039 Pin

Net .15
WAFER SOCKET (B). For rapid assembly. Contacts snap into Individual holes.
33 H 87047 Pin
Net .10
33 H 87059 Pin ……..................................... 12
33 H 8706 octal
Net .12
Net .27
MOLOED TYPE (C). All molded printed circult socket. With mounting tabs for in. dividual hole insertion.
33 H 87157 Pin
Net .12
33 H 87179 Pin
Net. 15
SHIELDED TYPE (0). Water socket with col lapsible metal tube shleld.
33 H 87107 Pin
Net . 33
Net 36
TOP MOUNTING TYPE (E). Molded with tabs for top board mounting.
33 H 87127 Pin
Net .15
33 H 87139 Pin
Net . 17
33 H 8714 octal
Avg. shpg. wt., $10 z$

# Cannon and Amphenol Connectors 



Streamined audio and microphone connectors featuring a push-action Latch-lock, quick and secure; resilient insulators on socket side to insure quiet operation and eliminate noise due to pulling of cables; rugged construction of zinc, aluminum, brass and steel; internal cable clamp for cables $\%_{3}{ }^{\prime \prime}$ to $\mathrm{K}_{\mathrm{c}}{ }^{\prime \prime}$. Contact no. 1 engages first and may be used as a grounding contact. Contacts are brass, silver plated, rated at 10 amps for 3 contact types, 15 amps for 4 contact types. Satin nickel finish. Average shpg. wt., 502.

PLUGS-90 DEGREE

| Stock No. | Mfrs. No. | Fig. Cont. Type |  |  | NET EACH |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Insert Body |  | $\begin{aligned} & 10 . \\ & 49 \end{aligned}$ | $\begin{aligned} & 50- \\ & 99 \end{aligned}$ | $\begin{aligned} & 100 . \\ & 249 \end{aligned}$ |
| 32 H 8522 | XLR-3-15 | H | 3 | Female | Socket Zinc | 4.39 | 4.03 | 3.67 | 3.30 |
| 32 H 8523 | XLR-4-15 | H | 4 | Female | Socket Zinc | 4.43 | 4.07 | 3.71 | 3.33 |

## AMPHENOL 2 POLE CONNECTORS



## STRAIGHT CORD PLUGS



U.L. approved. Black phenolic. 61 series rated 110 V AC or DC, 160 series 125 V . *Mounting plates molded in; plates mount with retaining ring: mounting plate types require $1 \%_{1}^{\prime \prime}$ holes and have $\%_{2}^{\prime \prime}$ slotted holes on $11 / 2$ to $1 \% 0^{\prime \prime}$ centers except MIP type needs $13 / x^{\circ}$ hole and has $x_{2}{ }^{\prime \prime}$ holes on $112^{\prime \prime}$ ctrs. $\dagger=$ shielded types with $3 /{ }^{\prime \prime \prime}$ cable clamp. $\Delta=$ shielded types with $/ 10 "$ I.D. grommet; 160 series have grounding lug for use if required. Below surface types need $1 / \%_{0}{ }^{\prime \prime}$ hole and have $\mathrm{K}_{3}{ }^{\prime \prime}$ holes on $1 / 4^{\prime \prime}$ centers. Shpg. wt., 3 oz .
UNIV. RECEPTACLES (FEMALE) 110 V

| Stock No. | $\begin{aligned} & \text { Mfr. } \\ & \text { Type } \end{aligned}$ | Fit. | NET | EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\begin{aligned} & 250- \\ & 499 \end{aligned}$ |
| 32 H 2027 | 61-F1* | A | . 44 | . 37 | . 31 |
| 32 H 2028 | 61.MIP.61F* | A | . 40 | . 33 | . 277 |
| 32 H 2029 | 61-F10 | B | . 56 | . 47 | . 396 |

GROUND RECEPTACLES (FEMALE) 125 V

| Stock No. | Mir. Type | Fig. | NET | EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.24 | ${ }^{25}$ | $\begin{aligned} & 100- \\ & 249 \end{aligned}$ |
| 32 H 2030 | 160.2 \# | A | . 93 | . 78 | . 654 |
| 32 H 2031 | 160-4 | B | 1.08 | . 90 | . 758 |
| 32 H 2032 | 160.8 $\dagger$ | C | 1.06 | . 88 | . 74 |
| 32 H 2033 | 160-6A | C | . 98 | . 82 | . 685 |


| STANDARD PLUGS (MALD 110 V |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | NE | EAC |  |
| Steck No. | $\begin{aligned} & \text { Mfr. } \\ & \text { Type } \end{aligned}$ | Fig. 1.49 | $\begin{array}{r} 50 \\ 249 \end{array}$ | $\begin{aligned} & 250 . \\ & 499 \end{aligned}$ |
| 32 H 2034 | 61.M1 \# | A .46 | . 39 | . 326 |
| 32 H 2035 | 61-M10 | B . 57 | . 47 | . 397 |

GROUND PLUGS (MALE 125V

| Strock No. | Mfr. <br> Type | Fig. | HET | EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.24 |  | $\begin{aligned} & 100 \\ & 249 \end{aligned}$ |
| 32 H 2036 | 160-3 ${ }^{\text {\# }}$ | A | 1.10 | . 92 | . 772 |
| 32 H 2037 | 160-5 | B | 1.25 | 1.05 | . 88 |
| 32 H 2038 | $160.9 \dagger$ | C | 1.22 | 1.02 | 853 |
| 20 H 2039 | 160-7A | C | 1.14 | . 95 | . 797 |

## STEEL SHELL ONLY (FIG. B)

Lowers "S" sockets, "CP" plugs and series 60 . 61 connectors 1 Kol $_{0}$ below the surface. Needs 1 Y/" hole. Cadmlum plated.

| Stock No. | Mfr. Type | NET EACH |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Fig. | 1-49 | $\begin{array}{r} 50- \\ 249 \\ \hline \end{array}$ | $\begin{aligned} & 250- \\ & 499 \end{aligned}$ |
| 32 H 2101 | 61-61 | B | . 14 | .12 | . 101 |

Series 83 UHF coaxial connectors for all RF applications. All connectors single contact except * are dual. Comectors mate by \$6. 24 thrd. couplings. Avg. shpg. wt. 602.

| Stock No. | Mfr. No. $F$ | Military Number | Description | Net Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $24$ | $\begin{array}{r} 25 \\ 99 \end{array}$ | $\begin{array}{r} 100- \\ 499 \\ \hline \end{array}$ | $\begin{array}{r} 500- \\ 999 \\ \hline \end{array}$ |
| 32 H 1995 | 83 |  | Cap \& Chain | 66 | 54 | 45 | 39 |
| 32 H 1996 | 83-1AP A | UG-646/U.M-359,49192 | Adapter. Right Angle | 1.60 | 1.31 | 1.10 | 95 |
| 32 H 1997 | 83-1BC |  | Cap \& Chain | 1.08 | . 89 | 74 |  |
| 32 H 1998 | 83-1F $C$ | UG-363/U.PL-274,491049 | Adapter, Bulkhead | 2.25 | 1.85 | 1.55 | 1.34 |
| 32 H 1999 | 83-1H B | UG-106 U.M.360, 49193 | Hood | . 38 | . 31 | 26 | 23 |
| 32 H 2901 | 83-1HP B | UG-372/U | Hood | 44 | . 36 | . 30 | . 26 |
| 32 H 2002 | 83-11 C | PL-258,49191 | Adapter. Straight | 1.01 | . 83 | . 69 | . 60 |
| 32 н 2003 | 83-1R D | SO-239.49194 | Receptacle | . 53 | . 43 | . 36 | . 31 |
| 32 H 2004 | 83-1 SP $^{\text {P }}$ | PL-259.49190 | Plug | . 54 | . 44 | . 37 | . 32 |
| 32 H 2005 | 83-1 SPN E | PL.259A, 49195 | Plug (Mica.Filled Bake) | . 88 | . 72 | 60 | . 52 |
| 32 H 2006 | 83-1 1 | M-358,49199 | Adapter, Tee | 2.84 | 2.33 | 1.95 | 1.69 |
| 32 H 2007 | 83.2R | S0-265,49196 | Receptacle* | 4.14 | 3.40 | 2.85 |  |
| 32 H 2008 | 83-21SP E | UG-358/U | Plug | 5.62 | 4.61 | 3.87 |  |
| 32 K 2009 | 83-22AP A | UG-104/U.PL-293 | Adapter. Right Angle* | 3.56 | 2.92 | 2.45 | 2.12 |
| 32 H 2010 | 83.22F | PL-275 | Adapter, Strt. Bulk.* | 3.56 | 2.92 | 2.45 |  |
| 32 H 2011 | 83.22 J C | UG-105/U.PL-285 | Adapter, Straight* | 2.33 | 1.91 | 1.60 | 1.38 |
| 32 H 2012 | 83-22R | UG-103/U.SO-264 | Receptacle* | 1.75 | 1.43 | 1.20 | 1.04 |
| 32 H 2013 | 83.22SP E | UG.102U.PL-284 | Plug* | 1.38 | 1.14 | . 95 | 82 |
| 32 H 2014 | 83-22T F | UG-196/U | Adapter, Tee* | 2.33 | 1.91 | 1.60 |  |
| 32 H 2015 | 83-58 A | M-359A.49192A | Adapter, Right Angle | 2.07 | 1.70 | 1.42 | 1.23 |
| 32 H 2016 | 83-168 | UG-176/U | Adapter, Reducing | . 16 | 14 | . 11 | . 10 |
| 32 H 2017 | 83-185 | UG.175/U | Adapter. Reducing | . 16 | 14 | . 11 | . 10 |
| 32 H 2018 | 83-750 E | UG.111/U | Plur | . 76 | . 62 | . 52 | 45 |
| 32 H 2019 | 83-756 E | PL-259A.49195 | Plug (Teflon) | 1.24 | 1.02 | . 85 | . 74 |
| 32 H 2020 | 83-765 B | UG-177/U | Hood | . 31 | . 25 | 21 | . 19 |
|  | 83.776 | UG-203/U,49482 | Plur | 1.09 | . 90 | . 75 | . 65 |
| $32 \text { H } 2022$ | 83.786 B | UG-203/U.49882 | Mood and Gang Nut | . 90 | . 74 | . 62 | . 54 |
| 32 H 2023 | 83.798 D | SO-239A | Receptacle | 1.14 | . 93 | . 78 | . 68 |
| 32 H 2024 | 83-821 E |  | Plur ${ }^{\text {P }}$ | 2.25 | 1.85 | 1.55 | 1.34 |
| 32 H 2025 | 83.822 E | PL-259 | Plug (Teflon) | 1.02 | 84 | 70 | 1 |
| 32 H 2040 |  |  | Solderless Plug | 2.11 | 1.73 | 1.45 | 1.26 |
| 32 H 2026 | $83.851$ |  | Solderiess Plug | 1.53 | 1.25 | 1.05 | . 91 |

Series 82 coaxial connectors. Impedance: 50 ohms constant except type 82.90 is 70 ohms. - Type HN, 1500 volt max., $1 / 4-20$ thrd. coupling. + Type N. 500 volt max.. $5 / 6-24$ thrd. coupling.

| Stock No. | r. No. | Fig. | Military Number | Description | Net Each$1-24 \quad 25-99$ |  | $\begin{array}{r} 100- \\ 499 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 2104 | 82.202 | E | UG-21 D/U | $\dagger$ Plug. Straight | 1.18 | . 97 | 81 |
| 32 H 2105 | 82.98 | A | UG. $27 \mathrm{~B} / \mathrm{U}$ | + Adapter. Angle, 1 male, 1 fem. | 4.21 | 3.46 | 2.90 |
| 32 H 2106 | 82.213 | A | UG.27 C/U | $\dagger$ Adapter. Angle, 1 male, 1 fem. | 4.36 | 3.58 | 3.00 |
| 32 H 2107 | 82-101 | C | UG. $29 \mathrm{~B} / \mathrm{U}$ | + Adapter, Straight. 2 male | 2.25 | 1.85 | 55 |
| 32 H 2108 | 82-24 | D | UG-58/U | $\dagger$ Receptacle, Panel | . 90 | . 80 | . 67 |
| 32 H 2109 | 82.804 | E | UG. $59 \mathrm{~B} / \mathrm{U}$ | - Plug. Stralght | 2.95 | 2.42 | 2.03 |
| 32 K 2110 | 82.90 | D | UG-96 A/U | $\dagger$ Receptacle, Panel | 2.62 | 2.15 | 1.80 |
| 32 H 2111 | 82.835 | A |  | $\dagger$ Plug, Angle | 4.07 | 3.34 | 2.80 |
| 32 H 2112 | 82.92 | D | UG.496/U | - Receptacle. Panel | 2.52 | 1.85 | 1.55 |
| 32 H 2113 | 82.805 | D | UG-560/U | - Receptacle, Panel | 2.73 | 2.24 | 1.88 |

# Amphenol Microphone Connectors 



SERIES 75. PRESSURE TYPE - SINGLE CONTACT Polished chrome plated brass fittings with $5 / 6^{\prime \prime}-27$ thread.

| Stock No. | Type | Fig. | Description | 1.24 | 25.99 | $\begin{aligned} & 100- \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 N 1906 | 75-MC1F | A | Cable plug | . 64 | 53 | 7 |
| 32 H 1907 | 75.MC1M | 8 | Cable lack Fits Above | 46 | 38 | . 32 |
| 32 H 1908 | 75-PC1M | C | Receptacle, open | 41 | . 35 | . 291 |
| 32 H 1909 | 75.CL-PC1M | 0 | Receptacle, shorting | . 67 | . 56 | . 472 |
| 32 H 1910 | 75-MC1F-A |  | $90^{\circ}$ cable jack | 1.31 | 1.09 | . 917 |
| 32 H 1911 | 75.MC1P |  | Phone plug Adapter | . 52 | . 43 | 364 |
| 32 H 1912 | 75.1 |  | Min. Straight cable plug | . 40 | . 34 | 282 |
| 32 H 1913 | 75-2 |  | Min. Cable jack Fits Above | 28 | 24 | 197 |
| 32 H 1914 | 75-3 | C | Min. Locknut receptacle | 50 | 42 | . 349 |

## SERIES 80. SINGLE AND DOUBLE CDNTACT TYPES

for concentric lines, shielded mike cables, etc. Center contacts are pin and socket type. "Single-contact type. tDouble-contact type Av. shpg. wt., 3 oz.

| Stock No. | Type | Fig. | Description | 1.24 | 25-99 | $\begin{aligned} & 100- \\ & 249 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 191 | $80 F$ | G | Female cable jack | . 65 | . 54 | 4 |
| 32 H 1916 | ${ }^{80}$ 80 | H | Female chassis receptacle | . 54 | . 45 | . 375 |
| 32 H 1917 | -80M | 1 | Male cable plug | . 67 | . 56 | . 469 |
| 32 H 1918 | 180.MC2F | G | Female cable jack | . 71 | . 59 | . 495 |
| 32 H 1919 | +80-PC2F | H | Femate chassis receptacle | . 60 | . 50 | . 418 |
| 32 H 1920 | 180-MC2M | 1 | Male cable plug | 69 | . 57 | 8 |
| 32 H 1921 | *80-F1 |  | Female cable plug | 9 | . 58 | 483 |
| 32 H 1922 | *80.M1 | G | Male cable Jack | . 62 | 52 | 438 |
| 32 H 1923 | $80 \cdot \mathrm{Cl}$ | H | Male receptacle | 55 | 46 | 387 |
| 32 H 1924 | †80-MC2F1 | , | Female cable plug | . 75 | 63 | . 526 |
| 32 H 1925 | 180.MC2M1 | G | Male cable jack | 65 | . 54 | . 453 |
| 32 H 1926 | 180-PC2M | H | Male receptacle | . 57 | . 48 | . 40 |

75-CCC1-Cap and chain, used for 75 and 80 serles seals open chassis against dirt and dust.
32 H 1927
1-24 ea. . $45 \quad 2599$ ea. . 37 100-249 ea. . 314


SERIES 91, 3- AND 4- CDNTACT TYPES
Polarized microphone connectors for portable equipment. Straln rellieving clamps. - 3 -contact type. $\$ 4$-contact type. Shipg. wt., 3 oz

| Stock No. | Type | Fis. | Description | 1. | 9 | $\begin{array}{r} 100- \\ 249 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 1928 | -91-MC3F | $J$ | Female cable jack | 1.07 | 89 | . 749 |
| 32 H 1929 | t91-PC4F | K | Female chassis receptacle | . 73 | . 61 | . 515 |
| 32 H 1930 | -91-PC3F | K | Male cable plug | 1.01 | . 85 | 71 |
| 32 H 1931 | *91.MC3M | $t$ | Female cable jack | 1.10 | 92 | 774 |
| 32 H 1932 | t91.MC4F | $J$ | Female chassls rec | . 72 | 0 | . 505 |
| 32 H 1933 | t91.MCAM | 1 | Male cable plug | 1.03 | . 86 | . 721 |
| 32 H 1934 | -91-MC3F1 | 1 | Female cable plug | 1.10 | . 92 | 771 |
| 32 H 1935 | -91-MC3M1 | J | Male cable jack | . 97 | . 81 | 683 |
| 32 H 1936 | 91-PC3M | K | Male receptacle | 1.14 | 95 | 80 |
| 32 H 1937 | +91. MC4F1 | K | Female cable plug | 1.14 | . 95 | 80 |
| 32 H 1938 | +91-MC4ML | $J$ | Male cable jack | . 99 | 83 | 69 |
| 32 H 1939 | t91.PC4M | K | Male receptacle | . 98 |  |  |

"QWIK" SERIES 91. 3- AND 4- CONTACT TYPES
New design. Simply pushed together; released by thumb pressure on lock button while pulling outward. Polarized contacts. Nicket plated shells. " 3 -contact type. $\dagger 4$-contact type. Av, shpg. wt., 3 or.


91-CCC3 Cap and chain. Used for the 91 series, seals open chassts units against dirt and dust. 32 H 1948

1-24 еа. . $48 \quad 25-99$ еа. . $40 \quad 100-249$ еа. . 339

## MINIATURE PLUGS AND SOCKETS



Usable with 91.MPM. 91-MPF and 78-PCG miniature connectors. Supplied with push-on retainer rings. Need $5 / \mathrm{m}^{\prime \prime}$ hole. Av. T Type is MICA filled. Shpg. wt.. $40 z$.

| Stock No. | Socket 78. | Cant. | 1.49 | 50-249 | $\begin{aligned} & 250- \\ & 999 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 1963 | S3S | 3 | . 11 | . 10 | . 08 |
| 32 H 1964 | S4S |  | . 15 | . 13 | . 105 |
| 32 H 1965 | S5S | 5 | . 20 | . 17 | . 14 |
| 32 H 1966 | S6S | 6 | . 21 | . 18 | . 147 |
| 32 H 1967 | 7 P | 7 | . 28 | . 23 | . 196 |
| 32 H 1968 | 7PT | 7 | . 22 | . 18 | . 153 |
| Plug 71. |  |  |  |  |  |
| 32 H 1969 | 35 | 3 | . 11 | . 10 | 08 |
| 32 H 1970 | 4 S | 4 | . 14 | . 11 | 095 |
| 32 H 1971 | 5S | 5 | . 15 | .12 | . 102 |
| 32 H 1972 | 6 S | 6 | . 17 | . 14 | . 121 |

## LAFAYETTE MINIATURE MICROPHONE CONNECTORS


(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 posltive locking. Integral cable retaining clamp eliminates shorts and open connections due to cable strain. Polarizing keyway insures easy, properly orientated it. May be used for any low voltage plug-in circuitry applications. imported. Sizes: $14 / 4 \mathrm{~L}$ $x 2^{2 \prime \prime D i a}$. Shpg. wt., 8 oz
99 H 6263
Net 1.19
(B) Microphone Chassis Socket. Mounts on equipment chassis or panel and mates with 99 C 6263 plug (shown above). Size: $7 / 4 \times$ Kin $^{\prime \prime}$ Dia. Requires $5 /$ s $^{\prime \prime}$ mounting hole. Imported Shpr. wt. 8 oz 99 N 6264

## CABLE CONNECTORS

Shielded cap and rubber grommet-end opening. Consist of " $S$ " type tube sockets and "CP" plugs with hoods. Avg. shpg. wt., 6 oz.

|  | Female |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Stock No. | 78. | Cont. | $\mathbf{1}-49$ | 50.249 | 499 |  |
| 32 H 1973 | PF4 | 4 | .39 | .32 | .272 |  |
| 32 H 1974 | PF5 | 5 | .41 | .34 | .285 |  |
| 32 H 1975 | PF6 | 6 | .42 | .36 | .298 |  |
| 32 H 1976 | PF7S | $7 S$ | .45 | .37 | .312 |  |
| 32 H 1977 | PF8 | 8 | .41 | .35 | .289 |  |
| 32 H 1978 | PF9 | 9 | .44 | .37 | .307 |  |
| 32 H 1979 | PF11 | 11 | .48 | .40 | .334 |  |


| Stock No. | Male 86. | Cont. | 1-49 | 50.249 | $\begin{array}{r} 250 . \\ 499 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 1980 | PM4 | 4 | . 43 | 36 | . 30 |
| 32 H 1981 | PM5 | 5 | . 43 | . 36 | . 304 |
| 32 H 1982 | PM6 | 6 | . 45 | . 38 | . 315 |
| 32 H 1983 | PM7S | 75 | . 46 | . 38 | . 321 |
| 32 H 1984 | PMB | 8 | . 45 | . 38 | . 317 |
| 32 H 1985 | PM9 | 9 | . 46 | . 39 | . 323 |
| 32 H 1986 | PM11 | 11 | . 47 | 39 | . 329 |
| 32 H 1987 | PM12 | 12 | . 47 | 40 | . 333 |
| th above Idered | $\begin{aligned} & \text { TV } \\ & \text { cor } \end{aligned}$ | $\begin{array}{cc} \mathrm{CC} \\ \mathrm{rs} \text { to } \end{array}$ |  | am | sed |


| Stock No. | Mfg. <br> No. | $\mathbf{1 . 2 4}$ | 25.99 | $\mathbf{2 4 9}$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 32 H 1989 | $79 . C C 4$ | .09 | .08 | .063 |

POPULAR MIKE CONNECTORS
(B)


Standard single contact, cord mounted, nickel plated brass, knurl grips, $5 /{ }^{\prime \prime \prime} .27$ thread. Shpg. wt., 3 oz
32 H 6417 Female connector Fis. A Net . 34 32 H 6418 Male connector Fig. B Net . 26


MINIATURE SHIELOEO CONNECTORS
Molded bakelite cad. plated brass shells, for cables up to $1 / 4^{\prime \prime}$ Dlam. PCG serles take $7 / \mathbf{m}^{\prime \prime}$ hole. Suffix " $L$ " indicates long- $1 K_{0}{ }^{\prime \prime}{ }^{i}$ " $S$ " Indicates short- ${ }^{\prime} \mathrm{Kin}^{\prime \prime}$. Shpg. Wt., 2 oz .

| Fig. A-Male |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | No. |  |  |  |  |
| Stock No. | 98. | Con1. | $1-24$ | $25-99$ | 249 |
| 32 H 1949 | MPM3L | 3 | .42 | .35 | .293 |
| 32 H 1950 | MPM3S | 3 | .37 | .31 | .263 |
| 32 H 1951 | MPM4L | 4 | .43 | .36 | .302 |
| 32 H 1952 | MPM4S | 4 | .39 | .32 | .272 |
| 32 H 1953 | MPMSL | 5 | .44 | .37 | .31 |
| 32 H 1954 | MPM6L | 6 | .47 | .39 | .327 |

Fig. B Female

| 32 H 1955 | MPF31 | 3 | . 47 | . 39 | . 33 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 1956 | MPF3S | 3 | . 41 | . 35 | . 291 |
| 32 H 1957 | MPF 41 | 4 | . 49 | . 41 | . 343 |
| 32 H 1958 | MPF4S | 4 | . 46 | . 38 | . 32 |

Fig. C No. 78 - Chassis Connectors for Above

|  |  |  | $1-49$ | $\begin{aligned} & 50- \\ & 249 \end{aligned}$ | $\begin{aligned} & 250 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 1959 | PCG-3 | 3 | . 30 | . 25 | . 207 |
| 32 H 1960 | PCG-4 | 4 | . 33 | . 28 | . 231 |
| 32 H 1961 | PCG-5 | 5 | . 37 | . 31 | . 257 |
| $\mathbf{3 2}$ H 1962 | PCG-6 | 6 | . 38 | . 32 | . 264 |

MIKE ACCESSORIES
 $\xrightarrow{910}$


Tymeno
$\gamma$
329 Switcheraft Microphone Volume Control Adapter. Reduce or increase volume at the mike. For high Impedance circuits using shielded single conductor cable only. 34 H 6307 Shpg. wt.. 8 oz.
.. Net 4.17 Amphenol Mike Switch. Attach between male and female of 75 series connectors. Push-totalk with lock. Shpg. wt., $60 z$.
32 H 1994 Amphenol $75-\mathrm{MC} 1 \mathrm{~S}$
Net 1.89
" $Y$ " Connector. Has 2 mates and 1 female. 33 H 8901 Shpg. wt., 2 02. ........... Net .99

# LAFAYETTE Plugs - Jacks 

STANDARD LAFAYETTE 2 CONDUCTOR PHONE PLUGS

## PHONO PIN JACK SINGLE HOLE MOUNTING



15e ea. 10 for $\$ 1.35$
RCA type female input lack. Mounts securely in single $1 /{ }^{\prime \prime}$ " hole by means of locknut on jack. Screws, nuts and washers unnecessary Imported. Shpg. wt. . 4 oz.
99 H 6234 .......... 10 for 1.35 Singly, es, . 15 ULTRA MINIATURE PLUG
Phone plugs for a wide variety of applications with choice of handie sizes and materials. All sleeves fit standard $1 / 4^{\prime \prime}$ phone jacks. Avg. shpg. wt. 8 oz .
FIG. A. SLIM PHDNE PLUG Smooth bakelite hande. Solder terminals with cable clamp. Imported.
99 H 6221 _........ Net .25 ea. -10 for 2.15 FIG. 8 BARREL PHONE PLUG Rubbed plastic barrel handle. Screw terminals. Imported. 99 H 6223 Net 22 ea. -10 for 1.90 FIG. C. SNIELD SLIM PLUG Ribbed chromed metal handle. Solder terminal with cable clamp. Imported.
99 H 6215
Not 29 ea. -10 for 2.50
FIG. D. PHONE TO PHONO PLUG ADAPTER. Adapts from standard phone plug to RCA type phono plug. Overall length $2 / / 2 \times 1 / 2$ " diameter. Imported. 99 H 6216

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, $3 / 6^{\prime \prime}$ bushing. $1 / 2^{*}$ iong. Comolete with mounting hardware. Imported. 99 H 6213 Not......... 19 ea. - 10 for 1.75 FIG. E. CLOSED CIRCUIT JACK Same as above but closed-circuit phone lack. Imported. 99 H 6222

Net . 19 ea. - 10 for 1.75
Fig. F. EXTEMSION CABLE JACK Fit standard $1 / 4^{\prime \prime}$ phone plug. Screw terminals. Barrel plastic hande matehes Barrel plug above. Imported. Shpg. wt., 10 oz.
99 H 6214 ............Net .22 ea, -10 for. 1.90
PHONO PLUGS AND JACKS

(A) Single Prong Shlalded Plug - RCA type, used extensively for mike, phono, etc, wt., 402. 32 H $6457 \quad 10$ for .35 singly, ea. . 04 (B) Phono Jack - Accepts RCA type phono plug. Mounts In rear of panel. (Shpg. wt., 402.

32 H 6458 $\qquad$ 10 for . 50 singly, ea. . 06 (C) Solderless Phono Plug - For phono, coax cables. Pin contacts conter conductor, tab wraps around shleld. Wt. 4 oz.
34 H 7001 Lots of 10 , ea. . 35 singly, ea. . 38 (D) Finger grip plug - Phono plug with handy finger arip. Wt., 402.
32 H 7817 ........ 10 for .50 singly, ea. . 06 (E) Foed Thru - Accepts male phono plug at both ends. (Shpg. wt., 4 02.)
32 H 5201
Ea. 29


FLAT PLUG

Ultra-compact type for use where space is limited. Bakeffte body. $11 / 10^{\prime \prime}$ dis., $1 / 4^{\prime \prime}$ thick. 32 H 1800 Shpg. wt., 4 o2. ............... Net . 53

## \& JACK



- $1 / 2$ The Previous Size - Same Precision Workmanship Plug is $15 / 16^{\prime \prime}$ overall. Jack mounts on panels up to $3 / 32^{\circ}$ thick. Requires $5 / 32^{\prime \prime} \mathrm{mtg}$. hole. Extends-11/32" be. hind panel. 3 circult jack can be used open or closed. Shpg. wt., 102. Imported.
99 H 6314
Net 25


## SUB-MINIATURE <br> PLUG ADAPTER

- Provides Extra Earphone Jack for Transistor Radios

A sub-miniature combination plug and jack designed for most transistor radios with earphone facks. 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: $21 / 4 \times 11 / 16 \times 3 / 4$ "D. Shoz. wt.. 6 oz. Imported.
99 H 6310
Net .69
SUBMINIATURE PHONE PLUG AND JACK


Sub-miniature "phone plug" and jack. Only 1 " long $x 1 / 4$ " diameter, overall. Excellent for transistor and subminiature applications. Plug has removable sleeve, Jack can be mounted on panel up to $1 / 16^{\prime \prime}$ thick. Jack can be used for both open and closed circuits. 4 oz. Imported. 99 H 6210 Plug

Net .17 99 H 6211 Jack

Net .13
Net.$~$
25
PHONE PLUG TO PHONO

## JACK ADAPTER



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. Shpg. wt.. 4 oz. Imported.
99 H 6230 .............................................. 52
HEAVY SHIELDED PHONE (A) PLUGS AND JACKS
(8)
(A) Sturdy, heavy brass, nickel-plated phone plugs with serew terminal connections. Threaded insulated cable outlet may be removed for larger cables to pass through. Body dia. $3 / 4{ }^{\prime \prime}$. overall length $31 / 4^{*}$. Shpg. wl., 4 oz. Imported. 99 H 6229 Plug .....Net ea. 5910 for 5.30 (B) Matching in-line phone jack, same construction as plug. Overall length 2". Imported. 99 H 8228 Jack ....... Net oas. . 5510 for 4.95

(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. $1 \% a^{\prime \prime}$ long. Shpg. wt., 4 oz . Imported.
99 H 6239
Net .19
(B) Extension Cable Jack for use with above or any other type of phono plug. Shpg. wt., 4 oz. Imported.
99 H 6240
Net .19

## 3 CONDUCTOR PHONE PLUG \& JACK <br> (A)


(A) 3 Conductor Phone Plug-Black Bakelite Handle. Solder lugs. Open circult $1 / 4$ shaft. Imported. 99 H 6119 Net 39 (B) 3 Conductor Phone Jack. Open Cireuit. Imported.
99 H 6118 Net 29

## MINIATURE 3-CONDUCTOR PLUG AND JACK SET



A finely buitt 3 -conductor plug and jack set that could be useful for stereo headphones. Normally closed, built-in switch circult opens when plug is inserted. Heavy gauge construc. tion and solder contact allow rugged use. Shpg wt. 302.
99 H 6328
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. Shpg. wt., 202. 99 H 6327
 ment. Sturdy solder contacts are used through. out construction. Shpg. wt., 3 oz.
99 H 6330

Set consists of two phono male plugs and a dual femaic socket. Excellent for such dual signal applications as stereo equip-
. . Not .19

\title{

Plugs - Jacks - Connectors - Clips

\section*{SWITCHCRAFT 3 CONDUCTOR FLAT

## SWITCHCRAFT 3 CONDUCTOR FLAT PHONE PLUGS

## SWITCHCRAFT PLUGS AND JACKS

$1 / 4$ " flat phone plugs with removable plastic cap for easy connection of wire leads. Ideal for use where space is lim. ited. Tip rods are $1 k_{0}$ " long. All metaliic parts are of nickel plated brass. All plugs have screw type terminals except \# 238 which is solder type. Shpg. wt., 307.

| Stock Mo. | Mfr. No. | Fig. | Color | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1-24 | 25.49 |
| 34 H 6039 | 230 | A | Black | . 93 | 85 |
| 34 H 6040 | S-230 | A | Black | 1.20 | 1.10 |
| 34 H 6041 | 235 | A | Red | . 93 | . 85 |
| 34 H 6042 | 238 | 8 | Metal | . 99 | . 91 |

## SWITCHCRAFT "IITTLE PLUGS" AND JACKS


"LITTEL PLUGS" PHONE PLUGS-Compact quality plugs. Fits stand. ard $1 / 4^{\prime \prime \prime}$ phone jacks except - with .206 dlam. sleeve and $\dagger$ 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 $111 / \mathrm{m}^{\prime \prime}$ long, $1 / 2^{\prime \prime}$ dlam. Av. shpg. wt., 4 oz.

| Stock No. | Type | Fig. | Cond. | Handle | Terminals | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 6012 | 240 | A | 2 | Black | Screw | . 51 |
| 34 H 6013 | 245 | A | 2 | Red | Screw | . 51 |
| 34 H 6014 | 250 | A | 2 | Black | Solder | . 48 |
| 34 H 6015 | \$-250* | A | 2 | Black | Solder | . 51 |
| 34 H 6016 | 255 | A | 2 | Red | Solder | . 48 |
| 34 H 6017 | 260 | A | 3 | Black | Screw | . 81 |
| 34 H 6018 | 267 | A | 3 | Black | Solder | . 72 |
| 34 H 6019 | 280 | 8 | 2 | Metal | Solder | . 72 |
| 34 H 6020 | S-280* | 8 | 2 | Metal | Solder | . 69 |
| 34 H 6021 | R-280 $\dagger$ | 8 | 2 | Metal | Solder | . 90 |
| 34 H 6022 | 297 | B | 3 | Metal | Solder | . 90 |

"LITTEL.JAX" PHONE JACKS (Fig. C) Accept standard $1 / 4$ " phono plugs, except "with $.210^{\prime \prime}$ J.D. sleeve and $t$ mates with 480 MH type "Little-Plug." Abbrs.: SCC-single closed ckt; OC-open ckt. $3 / /^{\prime \prime}$ dia.. $1 / /_{3}^{\prime \prime \prime}$ overall; \%o" dia. threaded shank, $/ 2_{2 \prime \prime}$ long. Av. shpg.
wt., 3 oz .

| Stock No. | Type | Schematic Cond. | CKT. | fan Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 6023 | 11 | 2 | OC |  | 27 |
| 34 H 6024 | C. 11 | 2 | 0 C | 15.034 | . 39 |
| 34 H 6025 | S-11* | 12 | OC | J.34 | . 30 |
| 34 H 6026 | 12A | 112 | Scc | - | . 30 |
| 34 H 6027 | C-12A | 112 | SCC | JJ-089 | . 48 |
| 34 H 6028 | 128 | 111.3 | OC | J.069 | . 48 |
| 34 H 6029 | C-128 $\dagger$ | III 3 | 0 C | J1-033 | . 48 |
| 34 H 6030 | 138 | IV 3 | SCC | 3-033 | 48 |

"TINI-PLUGS" SUBMINIATURE PHONE PLUGS. 2-conductor phone plugs for use with "Tinl-Jax." Only $158{ }^{\text {so }}$ in length. In plastic or metal shielded handies. Shpg. wt., 2 oz.

| Stock No. | Type | Fig. | Handle | Terminals | Net |
| :--- | ---: | :--- | :--- | :--- | ---: |
| 34 H 6031 | 740 | A | Black | Screw | .51 |
| 34 H 6032 | 745 | A | Red | Screw | .51 |
| 34 H 6033 | 750 | A | Black | Solder | .48 |
| 34 H 6034 | 755 | A | Red | Solder | .48 |
| 34 H 6035 | 770 | B | Metal | Screw | .69 |
| 34 H 6036 | 780 | B | Metal | Solder | .66 |

"TINI-JAX"' SUBMINIATURE PHONE JACKS (Fig. D) 2-conductor acks for "Tini-Plugs." Only ${ }^{2 / 2 z *}$ " Jong. Abbrs.: OC-open Ckt.; CC-closed Ckt. Av. shpg. wt., 202

| Stock No. | Type | Schemalic | CKT. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 34 H 6037 | 41 | 1 | OC | .27 |
| 34 H 6038 | 42 A | 11 | CC | .30 |

"TINI-EXTENSION JAX" (Fig. E) An extension or cable jack to mate with "Tini-Plugs". Two conductor with metal housing for ruggedness and electrical shielding. Solder lug terminals. Shpg. wt, 3 oz .

| Stock No. | Type | Fig. | Cond. | Terminals | Net |
| :--- | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{3 4} \mathbf{H} \mathbf{6 0 4 5}$ | 125 | E | 2 | Solder | .81 |

All meet industrial and military requirements. Plugs are made to specs. Best quality material and Jack type 820 meets MIL-J-641A specs. Best quality material and workmanship assure positive internal interlock. Parts will not shift in position. Black plastic handle. Extension lack fits type 430 Littel plug. All have screw terminals. Avg. shpg. wt., 5 oz .

| Stock No. |  | Old |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 6008 |  |  |  | Jan | $1-24$ | 25.49 |
| 34 H 6008 | 430 | 2 | PL. 55 | PJ.0548 | . 90 | 83 |
| 34 H 6009 | 440 | 2 | PL-55 | PJ-0558 | . 30 | . 83 |
| 34 H 6010 | 480 | 3 | PL. 68 | PJ.068 | 2.16 | 1.98 |
| 34 H6011 | 820 | 2 | \$K. 26 | J-026 | 1.20 | 1.10 |



## a SWITCHCRAFT "MICRO PLUGS AND JaX"

(A) A miniaturized 2 conductor plug for use with cables of up to $7 / 64^{\circ} 0$. D. Nyion insulation is used between tip and sleeve. Shpg. wt., 202.
(B) Ultra-miniaturized jack is designed for above plugs. Features solder lugs and positive tip spring grip
 Black handle (No. 850)

Net 45
34 H 6043 (A) Black handle (No. 850
34 H 6044 (A) Red handle (No. 855)
34 H 6049 (A) Natural Al. handle (No. 880)
Net .45
34 H 6050 (B) Jax (No. TR-2A) Shpg. wt., 2 02. .................. Net . 30


## SWITCHCRAFT "YHICK PANEL JAX"

A long bushing allows mounting in panels of up to $11 / 4^{\prime \prime}$ in thickness with a $15 / 32^{\prime \prime}$ 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. | Description | Net |
| :--- | :--- | :--- |
| $\mathbf{3 4} \mathbf{H} 6047$ | Switcheraft No. 151 | .90 |
| $\mathbf{3 4} \mathbf{H} 6048$ | Switcheraft |  |

## SWITCHCRAFT STEREO "IITTLE-JAX"



A three conductor lack 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 H 6046

Switcheraft No. 148

- Net 63


## GENERAL CEMENT TEST PROD CONNECTORS

| Stock No. | Mfr. No. | Moulded plastic with solderless "trig ger Quich" clamps. Angle design for use with voltmeters, signal generators and other types of test equipment. Shpg. wt., 2 oz. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Color | 1.9 | $\begin{array}{r} \mathrm{N} \\ 10.49 \end{array}$ | $\begin{aligned} & \text { Each } \\ & 50-99 \end{aligned}$ | 100-499 |
| $13 \mathrm{H6048}$ | 33-132 | Red | . 45 | . 41 | . 37 |  |
| 13 H 6049. | 33-134 | Black | . 45 | . 41 | . 37 | 33 |

## FAHNESTOCK CLIPS



Brass clips that assure good electrical contact without injury to wire. 3" wide except * which are Kot". Packages of 10 . Shpg. wt.. 402.

| Stock No. | Fig. | Lgth. | Max. Wire | Mtg. Hole | $\begin{gathered} \text { Net } \\ \text { Der Pkg. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 7101 | B | $1^{\prime \prime}$ | No. 10 | No. 8 | 25 |
| 32 H 7601 | C | 116" | No. 10 | No. 8 | . 36 |
| 32 H 6459 | A | 17\%" | No. 10 | No. 8 | 1.20 |
| 33 H 7102* | B | 3/4" | No. 14 | No. 8 | 1.20 .18 |

# Plugs - Jacks - Binding Posts 



## INSULATED PLUGS

Fig. A. Insulated Tip Plug. Heavy duty. Solder type, $1^{\prime \prime}$ handle. $21 / 8^{\prime \prime}$ overall. Specify Red or Black.
32 H 6419 C
Net ea. 100 for 13.50 10 for $1.43 \ldots 100$ for 13.50 Fig. B. Insulated Solderless Tip Plug. 1" handle, $2^{*}$ length overall. Specify Red or Black.
32 H 6420C
Net ea, . 15
10 for $1.43 \quad 100$ for 13.50 Fig. C. Insulated Short Tip Plug. Solder type. $1^{\text {" }}$ handle. 1 1/s" overatl length. Specify Red or Black.
32 H 6421 C
Net ea.
.12
10 for 1.14
100 for 10.80
Flg. D. Insulated Banana Plug. Spring type. Internal set screw for soldering. $1^{\circ}$ handle. ''ssi" length overall. Phosphorbronze. Specify Red or Black.
32 H 6422 C
Net ea. $\quad .23$
10 for $2.19 \quad 100$ for 20.70
Fig. E. Solderless insulated Banana Plug. Spring type. $1^{\prime \prime}$ handle. $111 / 6^{* \prime}$ overall. Specify Red or Black
32 H 6423C Net ea. . 19 10 for 1.81 100 for 17.10
Fig. F. Solderless Insulated Banana Plug. Spilt type. $1^{\prime \prime}$ handle. ${ }^{\text {" }} \mathrm{is}^{\prime \prime}$ overall. Specify Red or Black.
32 H 6424C
Net ea. 18 10 for 1.71

100 for 16.20 Fif. G. Insulated Banana Plug. Spring tyde. $1^{\prime \prime}$ handle. $13 / 4^{\prime \prime}$ overall. Solder type. Specify Red or Black
32 H 6425C
Net ea. $\quad .19$
10 for $1.81 \ldots . . . . . . . . . . . . . . . . .$.
Fla. H, Molded Meter Banana Plug. Specify Red or Black.
32 H 6426C
Net ea. . 36
10 for 3.42
100 for 32.40
Fig. J. Molded Meter Tip Plug. Specify Ked or Black.
32 H 6427C
Net ea. 27
10 for 2.57
100 for 24.30
LAFAYETTE JUMBO 5-WAY BINDING POST


Accepts phone tio 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 lis" to $1 / a^{\prime \prime}$ thick. Imported.
99 H 6120 Black … Net 25

## Red

## KIT OF 10 5-WAY

## BINDING POSTS

- For Banana Pluz
- For Phone tio Plug
- For Spade Luz
- For Alligator Clip
- For Strand of Wire

For panels $\mathrm{K}_{6}^{\prime \prime}$ to $1 / 4^{\prime \prime}$ thick. Assortment of 10 pieces. 5 Red and 5 Black. Shpg. wt.. 8 oz. Imported.
99 H 6233 Binding Post Kit
Net .99

## METAL BINDING POST

10 for $2.28 \quad 50$ for 10.80 Made of brass, heavily nickel plated overall. With screw and lock washer. Shpg. wt. 8 oz.
32 H 6447
Net ea. . 24

Fig. K. Insulated Spade Lug. $3 / 4^{\prime \prime}$ handle. 15\%" length overall. Specify Red or Black. 32 N 6428C

Net ea. .12 10 for 1.14

100 for 10.80

## INSULATED JACKS

Fir. L. Phone Tip or Banana Plug. Mounts in Ko" hole. Specify Red or Black.
32 H 6429C
Net ea. . 17 10 for 1.62 .......................... 100 for 15.30
Fig. M. 5-way Binding Post. Takes phone tips, banana plugs, spade fugs, alligator clip. wire. All insulated type. Specify Red or Black.
32 H 6430 C
Net ea. . 40
10 for 3.80
100 for 36.00
Fig. N. Nyion All Insulated Tip Jack. $1^{\prime \prime}$ over. alf. Mounts in $3 / \mathbf{h}^{\prime \prime}$ hole. Specify Red or Black.
32 H 6431C
Net ea. . 18
10 for 1.71
100 for 16.20
Fig. P. Insulated Tip lack. $11 /{ }^{\prime \prime}$ overall length. Mounts in \%o" hole. Specify Red or Black
32 H 6432 C
Net ea, 14
10 for 1.33
100 for 12.60
Fig. a. Nylon Insulated Tip Jack. With nylon washer. $1^{\text {" }}$ overall length. Mounts in K" hote. Specify Red or Black.
32 H 6433C
Net ea. . 25
10 for 2.38
100 for 22.50
Flg. A. Insulated Banana Jack. Esis" overall length. Mounts in Ko" hole. Specify Red or Black.
32 H $6434 C$
Net ea. . 14
10 for 1.33 ... .................... 100 for 12.60
Fis. S. Instrument Banana Jack, $7 / \not / \mathrm{P}^{\prime \prime}$ over. all length. Mounts in $\mathcal{K}_{0}$ " hole. Specify Red or Black.
32 N 6435C ........................Net ea. . 16 10 for 1.52 for 14.40


Made 10 MIL specs. Threaded metal bodles mount in $1 / 4^{\prime \prime}$ holes. Hand. les 1000 V peak. Color. Shpg. wt., $11 / 402$.
(Fig. A) (Fig. B)
TURRET TERMINAL TYPE (Fig. A). Has silverplated beryllium copper contact. "\%" longSpecify Red or Black.

|  |  | 1. | 50 | 250. |
| :--- | :--- | :--- | :--- | :--- |
| Stock No. | Type No. | 49 | 249 | 499 |
| 32 H 2098 C | 350.29175 .35 | 29 | .244 |  |

SILVER TERMINAL TYPE (FIg. B). Has silverplated phosphor bronze contact. $11 / 22^{2}$ long. Specify Red or Black.

|  |  | 1. | $50-$ | $250-$ |
| :--- | :--- | :--- | :--- | :--- |
| Stock No. | Type No. | 49 | 249 | 499 |
| $\mathbf{3 2}$ H 2099 C | $350-29200$ | -41 | .34 | .285 |



## NYLON BINDING POSTS

Molded nylon head, nickel plated brass body, insulated binding posts, with hex nuts and washer. Stud takes solder connection. For Yo"-1/4" panels. Specify Red or Black. Shpg. wt., 2 oz.
32 H 6463C .......Net ea. 35 10 for $3.33 \quad 100$ for 31.50

Fig. T. Nylon Insułated Banana Jack. With nylon washer. Overall length sku". Mounts in sto" hoie. Specify red or black.
32 H6436C ............................Net ea. . 24 10 for 2.28

100 for 21.60

## METAL JACKS

Fig. U. Metal Tip Jack. Mounts in $1 / 4^{\prime \prime}$ hole, 32 H 6437

Net ea. 10 for 1.14

100 for 10.80 Fig. V. Metal Banana Jack. Mounts in $1 / 4^{*}$. hole.
32 H 6438 ............................. 12
10 for 1.14
Fig. W. Metal Banana Jack Mounts in $1 / 4$ hole.
32 H 6439
Net ea. . 12
10 for 1.14 ....................... 100 for 10.80
Fig. X. Solderless Phone Tip. Sr. 15/a" long. 32 H 6440

Net ea. . 12 10 for 1.14 ........................... 100 for 10.80

## NDN-INSULATED PLUGS

Fig. Y. Solderless Phone Tip. Jr. 1K:" long. 32 H 6441 Net ea. 12 10 for 1.14 ................... 100 for 10.80
Fig. 2. Banana Plug. Spring type. $13 / 8$ " overall. $6.32 \times 1 / 2^{\prime \prime}$ stud.
32 H 6442
Net ea. $\quad .20$
10 for 1.90 for 18.00
Fig. AA. Banana Plug. Spring type. Screw in head. $11 / y^{\prime \prime}$ overall.
32 H 6443
Net ea. .20
10 for 1.90 ........................ 100 for 18.00
Fig. BB. Banana Plug. Spring type, $11 / 4^{\prime \prime}$ overall. 6-31/8" stud.
32 H 6444 ................................. 20
10 for 1.90 ............................ 100 for 18.00
Fig. CC. Banana Plug. Split type. $11 / 4^{\prime \prime}$ overall. $6-32 x^{1 / 2 "}$ stud.
32 H 6445
Net ea. . 14
10 for 1.33 ............................. 100 for 12.60
GENERAL RADIO TYPE
274MB INSULATED DOUBLE PLUG
Attractively designed, Molded Styrene double plug assembly for rapid and convenient connections in the laboratory. Jack top permits stacking 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 $0.2^{\prime \prime}$ Dia. Shpe. wt. 502.
32 H 8401
Net .70
TELEX MINIATURE

## PHONE PLUG AND JACK

1/2 the size of previous small plugs and lacks. yet with all the quality of precision workmanship. Plug is $1 y_{z} z^{\prime \prime}$ long by $1 / 4^{\prime \prime}$ diameter. Jack can be mounted on any panef up to $1 / \mathrm{B}^{\mathrm{m}}$.
32 H 8301
TELEX NO. JMPO1-JACK (Closed Circuit). 4 oz.
32 H 8302
42
TELEX NO, JMPO2.JACK (Open Circuit). 402. 32 H 8303

# Mueller Clips and Insulators 

(A)
(B)
(C)
(D)
(E)
(d)
(F)

MINI GATOR CLIP ( )
"Cad. plated steel. solid copper. Length 11/a", alligator jaws open
AVg. shops. Wt., 407. Ko". 20 or smaller wire. Avg. shpg. wt., 4 or . Der 100.


MICRO-GATOR CLIP (I)
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. shag. wt., 4 oz. per 100.


## TEST CLIP WITH MESH TEETH (B)

Pee. Wee clip for general test purposes. Cad. plated steel except ${ }^{\circ} \mathrm{C}$ is solid copper. Avg. shag. wt., 3 oz.

battery clips steel and copper (b)
-Are solid copper, all others are lead plated. Avg. shag. wt., 8 oz.


FLEXIBLE INSULATORS (H)
Avg. shag. wt., 4 Oz. SPECIFY RED OR BLACK.


INSULATED ALLIGATOR TEST CLIPS WITH 6 FT. LEAD


- 32

- Copper, others cad. plated.
+ Has standard phone tip to one Jaw.

> ALLIGATOR CLIPS (E)

Avg. shpg. wt., 40 oz


- Copper, others steel. All fit banana plugs.

INSULATED ALLIGATOR CLIPS (F)
specify red or black. © Copper, others cad. plated steel.
Avg. shag. Wt., 402.


> TWIN CLIPS (G)
laws of both ends operate independently. Cad. plated steel $\mathbf{2 "}^{\prime \prime}$ long, laws open tr s". Avg. shop. wt., 4 or


3 SIDED MESH TEETH CLIPS (C)
All steel cadmium plated except "Is solid copper, $\uparrow$ is bronze, and $\ddagger$ has Insulation piercing needle in jaw. Avg. ships. wt.. 4 oz.

fully insulated alligator clip (x)
$2 \frac{1 / 2 "}{}$ long "Copper, +Cad. Plated Steel-specify Red or Black. Wt., 4 oz.

T

## Argonne The Quality Line of Transistor Transformers <br> - 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 Iaminations. Applications under "TYPE" shows typical use. UBC is unbaianced current. Many units may be used for other applications as well. Average net weight $11 / 401 .:$ average shpg. wt., 4 02. MADE IN U.S.A.

|  |  |  | IMPEDANCE |  | U8C* |  | DC Ohms . |  | Overall Size |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Type | Pri. Ohms |  | Pri. C MA | Pow M.W. |  |  |  |
| 33 H8524 | AR-141 | Input | 500,000 | 1,500 CT | . 3 | 350 | 3600 | 60 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 H 8525 | AR-142 | Input | 500,000 | 200 CT | 3 | 350 | 3500 | 20 |  |
| 33 H 8526 | AR-143 | Input | 250,000 | 200 CT | . 5 | 350 | 3600 | 20 | $1{ }^{\prime \prime} x^{3 / 4} x^{\prime \prime} x^{3 / 4}$ ", |
| 33 H 8527 | AR-144 | Input | 200,000 | $1,500 \mathrm{CT}$ | . 5 | 350 | 3000 | 65 | $1 " x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 H 8528 | AR-100 | Input | 200,000 | 1.000 | . 5 | 100 | 3850 | 90 | 1 " $x^{3 / 4} \mathbf{4}^{\prime \prime} x^{3 / 4}$ ", |
| 33 H 8529 | AR-126 | Input | 150,000 | 1.500 CT | 2. | 100 | 3700 | 55 | $1 " x 3 / 4{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 H 8530 | AR-t01 | Input | 100,000 | 3.000 CT | . 5 | 100 | 3600 | 60 | $1{ }^{\prime \prime} \times 3 / 44^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 H 8531 | AR-145 | Input | 100,000 | 2,000 CT | . 5 | 350 | 3000 | 50 |  |
| 33 H 8532 | AR-102 | Input | 100.000 | 1.500 CT | . 5 | 100 | 0 | 40 |  |
| 33 H 8533 | AR-146 | Input | 100,000 | 50 | . 5 | 350 | 30 | . 6 |  |
| 33 H 8534 | AR-127 | Input | 50,000 | 3,000 CT | 1. | 100 | 2000 | 50 | 4" |
| 33 H 8535 | AR-128 | Input | 50,000 | 1.500 CT | 2. | 100 | 3000 | 50 | 3/4" |
| 33 H 8536 | AR. 129 | Input | 50,000 | 1.000 | 2. | 100 | 2500 | 20 | 3/4" |
| 33 H 8537 | AR-148 | Input | 50.000 | 500 CT | 1. | 175 | 1300 | 20 |  |
| 33 H 8538 | AR-149 | Input | 50.000 | 200 CT | 1. | 175 | 1300 | 10 |  |
| 33 H 8539 | AR. 147 | Input | 50,000 | 30 CT | 1. | 175 | 1300 | 1.5 |  |
| 33 H 8540 | AR-150 | Input | 40,000 | 100 | 1. | 175 | 850 |  |  |
| 33 H 8541 | AR-103 | Driver | 20.000 | 2,000 CT | 1. | 100 | 400 | 50 |  |
| 33 H 8542 | AR-104 | Driver | 20.000 | 1,000 | 1.5 | 100 | 400 | 50 |  |
| 33 H 8543 | AR-151 | Driver | 20,000 | 800 CT | 1.5 | 175 | 600 | 60 |  |
| 33 H 8544 | AR-105 | Driver | 20,000 | 400 | 1. | 100 | 600 | 30 |  |
| 33 H 8545 | AR-130 | Output | 20,000 | 8 | . 5 | 100 | 400 | 0.6 |  |
| 33 H 8546 | AR-131 | Output | 20,000 | 3.2 | . 5 | 100 | 400 | 0.3 |  |
| 33 H 8501 | AR-106 | Driver | 16,000 | 4.000 | 1. | 100 | 620 | 350 |  |
| 33 H 8502 | AR-152 | Driver | 15,000 | 200 CT | 1.5 | 175 | 550 | 10 | $3 / 4$ "x ${ }^{5 / 8 " \times 5 / 9 \text { " }}$ |
| 33 H 8503 | AR-107 | Driver | 15.000 | 200 | 1.5 | 250 | 1000 | 20 |  |
| 33 H 8504 | AR-108 | Driver | 10,000 | 3.000 CT | 1.5 | 100 | 200 | 100 |  |
| 33 H 8505 | AR-109 | Driver | 10,000 | 2,000 CT | 1.5 | 100 | 500 | 50 |  |
| 33 H 8506 | AR-153 | Driver | 10.000 | 200 CT | 2. | 175 | 400 | 10 | $3 / 4 " \mathrm{x} /{ }^{\prime \prime} \times 5 / 8{ }^{\prime \prime}$ |
| 33 H 8507 | AR-110 | Output | 10.000 | 16 | 2. | 150 | 600 | 2.5 |  |
| 33 H 8508 | AR-132 | Output | 10.000 | 8 | 1. | 100 | 600 | 6 |  |
| 33 H 8509 | AR-133 | Output | 10,000 | 3.2 | 1. | 100 | 600 | 3 | $3 / 4 \times 1 /{ }^{\prime \prime}{ }^{5} 5$ |
| 3 H 8510 | AR-158 | Input | 5,000 CT | 80,000 | 2. | 175 | 350 | 1800 |  |
| 33 H 8511 | AR-157 | input | 5,000 | 45,000 | 2. | 175 | 250 | 1600 |  |
| 33 H 8512 | AR-156 | Input | 5,000 | 30,000 | 2. | 175 | 150 | 1300 |  |
| 33 H 8513 | AR-155 | Input | 5,000 | 10.000 | 2. | 175 | 150 | 450 |  |
| 33 H 8514 | AR-154 | Input | 5,000 CT | 7.500 CT | 2. | 175 | 150 | 400 | 3/4" $x^{5 / 818^{5 / 7} 8^{\prime \prime}}$ |
| 33 H 8515 | AR-173 | Driver | 5.000 | $3,000 \mathrm{CT}$ | 2. | 350 | 200 | 90 | 1" $x^{3 / 4}{ }^{\prime \prime} x^{3 / 4} /^{\prime \prime}$ |
| 33 H 8516 | AR-111 | Output | 5.000 | 100 | 1. | 100 | 600 | 10 |  |
| 33 H 8517 | AR-134 | Output | 4,000 CT | 8 | 4. | 250 | 150 | 8 |  |
| 33 H 8518 | AR-135 | Output | $4,000 \mathrm{CT}$ | 3.2 | 4. | 250 | 150 | . 3 |  |
| 33 H 8519 | AR-112 | Output | 3,500 | 200 | 1. | 150 | 120 | 25 | $1^{\prime \prime} x^{3 / 4} \times^{\prime 3} 4^{\prime \prime}$ |
| 33 H 8520 | AR-113 | Driver | 3.000 CT | 1.000 | 9. | 150 | 100 | 60 | $34^{\prime \prime} \times 5 / 8{ }^{\prime \prime} \times 5 / 9^{\prime \prime}$ |
| 33 H 8521 | AR-114 | Output | 2.500 | 11 | 10. | 150 | 50 | 1.1 | $34^{\prime \prime} x^{5 / 969} x^{5 / 4}{ }^{\prime \prime}$ |
| 33 H 8522 | AR-115 | Input | $2,000 \mathrm{CT}$ | 8.000 CT | 2. | 150 | 150 | 660 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 H 8523 | AR-116 | Output | 2.000 | 200 | 4. | 250 | 120 | 20 | $1^{\prime \prime} x^{\left.3 / 4 / x^{3}\right)^{\prime \prime \prime}}$ |
| 33 H8547 | AR-175 | Driver | 2,000 | 1.500 CT | 2. | 350 | 150 | 60 | $1 " \times 3 / 4$ " $x^{3 / 4}$ " |
| 33 H 8548 | AR-159 | Driver | 1,500 | 500 CT | 4. | 175 | 100 | 20 | $3 / 4 \times 5$ |
| 33 H 8549 | AR-136 | Output | 1.000 CT | 100 | 4. | 250 | 120 | 10 | 1 " $x^{3 / 4}$ " $x^{3 / 4}$ " |
| 33 H 8550 | AR-137 | Output | $1,000 \mathrm{CT}$ | 8 | 4. | 250 | 120 | 9 | 1 " $x^{3 / 4}{ }^{\prime \prime} x^{3 / 4} 4^{\prime \prime}$ |
| 33 H 8551 | AR-138 | Output | $1,000 \mathrm{CT}$ | 3.2 | 4. | 250 | 120 | 3 | 1 "x ${ }^{3 / 4} \mathrm{Cl}^{3 / 4}$ " |
| 33 H 8552 | AR-160 | Output | 800 CT | 3.2 | 5. | 175 | 40 | 3 | $3 / 4$ "x ${ }^{5}$ /8" $x^{5}$ 年" |
| 33 H 8553 | AR-162 | Output | 500 CT | 500 CT | 5. | 350 | 18 | 18 | $1^{\prime \prime} x^{3 / 42^{\prime \prime}} x^{3 / 44^{\prime \prime}}$ |
| 33 H 8554 | AR-163 | Output | 500 CT | 150 CT | 5. | 175 | 18 | 8 |  |
| 33 H 8555 | AR-165 | Output | 500 CT | 50 | 5. | 175 | 18 | 4 |  |
| 33 H 8556 | AR-118 | Output | 500 CT | 16 | 5. | 100 | 20 | 1.5 | 3/4"X $5 / 8$ "x 5 /9" |
| 33 H 8557 | AR-164 | Output | 500 CT | 8 | 5. | 175 | 18 | 8 |  |
| 33 H 8558 | AR-119 | Output | 500 CT | 3.2 | 5. | 100 | 20 | 3 |  |
| 33 H 8559 | AR-166 | Output | 400 CT | 16 | 5. | 175 | 16 | 1.3 | $3 / 4$ " $5^{5 / 8} 8 \times 5 / 8{ }^{\prime \prime}$ |
| 33 H 8560 | AR-120 | Output | 400 CT | 11 | 1. | 150 | 20 | 9 |  |
| 33 H 8561 | AR-167 | Output | 400 CT | 8 or 3.2 | 5. | 175 | 16 | .6/.3 | $3 / 4{ }^{\prime \prime} x^{5} 8^{\prime \prime} x^{5 / 8} 8^{\prime \prime}$ |
| 33 H 8562 | AR-168 | Output | 300 CT | 16 | 6. | 175 | 12 | 1.4 |  |
| 33 H 8563 | AR-121 | Output | 300 CT | 3.2 | 6. | 150 | 20 | . 25 |  |
| 33 H 8564 | 4 AR-139 | Output | 250 CT | 8 | 2. | 250 | 15 | . 7 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 H 8565 | AR-122 | Output | 250 CT | 3.2 | 2. | 150 | 11 | . 3 | $1^{\prime \prime} \times^{3 / 4}{ }^{\prime \prime} \times 3 / 4{ }^{\prime \prime}$ |
| 33 H8566 | AR-123 | Input | 200 | 2,000 CT | 2. | 150 | 11 | 50 | $1^{\prime \prime} \times 3 / 4^{\prime \prime} x^{3 / 4} 4^{\prime \prime}$ |
| 33 H 8567 | AR-124 | Output | 200 CT | 16 | 2. | 250 | 20 | 1.3 | $3 / 4 " x^{5 / 8}{ }^{\prime \prime} x^{5 / 8}$ |
| 33 H 8568 | AR-169 | Output | 200 CT | 8 or 3.2 | 7. | 175 | 0 | .6/.3 |  |
| 33 H 8569 | AR-140 | Output | 200 CT | 3.2 | 2. | 100 | 10 | . 3 | $3 / 4{ }^{\prime \prime} x^{5 / 8} 8^{\prime \prime} \times{ }^{\text {\% }}$ |
| 33 H 8570 | AR-170 | Output | 160 CT | 8 or 3.2 | 8. | 350 | 10 | .6/.3. | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 H 8571 | AR-176 | Output | 125 CT | 8 | 8. | 350 | 4 | . 7 | 1 " $x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime}$ |
| 33 H 8572 | AR-174 | Output | 125 CT | 3.2 | 8. | 350 | 6 | . 3 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4} 4^{\prime \prime}$ |
| 33 H 8573 | AR-171 | Output | 100 CT | 10 CT | 10. | 175 | 4 | . 8 |  |
| 33 H 8574 | AR-172 | Output | 48 CT | 8 or 3.2 | 15. | 350 | 2.3 | 3 .6/.3 | $1^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x^{3 / 4}$ |
| 33 H 8575 | AR-125 | Input | 3 | 4,000 | 15. | 250 | 14 | 50 | $3 / 4$ " ${ }^{5} 66^{\prime \prime} \times 5$ \% |

## Singly EACH

## PRICE SCHEDULE

QUANTITY BUYERS
Lots of 10 Assorted 2.30 Lots of 25 Assorted 2.10 Lots of 50 Assorted 1.95 Lots of 100 Assorted 1.80 WRITE FOR PRICES ON LARGER QUANTITIES
Applles to all units on this pare except 33 H 8576, 33 H 8577 and 33 H 7501.

## PRINTED CIRCUIT TYPES

All transformers on this page are strap. mount as Illustrated. Printed circuit mounts available on special order. Minlmum 50 of a type. Delivery approx. 3 weeks; prices same. Order Argonne number, adding suf. fix PNB, thus: AR-141-PNB.

## SPECIAL TYPES

We welcome the requests of quantity users to quote on any varlation of these Argonne transformers or similar miniature units. When writing please give full particulars and enclose prints. If avallable, with the specifications. Minimum orders for 100 of a type.

## ARGONNE HI-FI TRANSISTOR <br> 

- Designed For Wide Range Transistor Audio Amplifiers
- 20-20,000 CPS $\pm 0.25 \mathrm{DB}$

Completely encased transformers specfically designed for use in transistored, wide range high fidelity audio amplifiers. Both driver and output have a frequency response of 20 . $20.000 \mathrm{cDS} \pm 0.25 \mathrm{db}$ when used in properly designed circuits. At full power rating of 1.5 watts the same response may be achfeved at
 mounting studs. Color coded leads. Shpr. wt., 9 o2s.

## DRIVER TRANSFORMER

Primary impedance 50 QO ohms, 3000 ohm center tapped secondary, DC resistance of primary 50 ohms. of secondary 75 ohms. Unbalanced primary current 20 ma DC. 33 H 8576 (Argonne AR-500)

## OUTPUT 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 H 8577 (Argonne AR-501) ..........Net 4.95


Lafayette's latest transistor clrcuit com. ponent. Enkineered for construction projects using the increasingly popular power transistors. Will also serve as a general replacement 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: $3 \mathrm{~K}_{6} \times 21 / 4 \times 2 \mathrm{~K}_{6}^{\prime \prime}$. Shpg. wt., 3 lbs .
33 H 7501

## Transistor - Special Iransformers

## UNIVERSAL POWER TRANSISTOR OUTPUT TRANSFORMER

- Designed For High Output Transistors - Used In Auto Radios PA Systems - In. tercoms - Etc.


## 6 WATT OUTPUT TRANSFORMER

 Rated 6 watts. Frequency response 70 to 20,000 cycles $\pm 2 \mathrm{db}$. 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 H 8578


## 2 WATT INPUT TRANSFORMER

Rated 2 watts. Frequency response 70 to $20,000 \cos \pm 2 \mathrm{db}$. Primary impedance 100 ohms. Secondary impedance 200 ohms CT. Primary DC reslstance 1.8 ohms, secondary 2.7 ohms. Unbalanced primary current. 200 me DC. Size: 1 Kıal7/ox1\%s". Wt., 1 lb .
33 H 8579

## esponse 70 to impedance 100 200 ohms CT . ms, secondary current. 200

 Net 1.50
## miniature TRANSISTOR TRANSFORMERS

- Truly Miniature-Only $3 / 4 \times 5 / 3 \times 5 / 8^{11}$ - Matches Any 3.2 Ohm Speaker
- Excellent For Receiver Replacement Transistor Output
- Transistor Output Transformer Popular transistor output transformer for 3.2 ohm speakers. May be used either single. ended or push-pull. Wound on nylon bobbins with mylar outer wrap with laminations on nickel-steel and silicon-steel. Rated power Is 100 milliwatts. Primary impedance is 500 ohms. Center-tapned and secondary 3.2 ohms. DC resistance of primary is 20 onms and secondary is .3 ohms. Color coded leads. Net wt., $11 / 4$ oz. Shog. wt., 4 oz. Imported. 99 H 6123 Net 89


## TRANSISTOR DRIVER TRANSFORMER

 Single-ended transformer for driving transistor power-stage. Impedance 10,000 ohms pri. 2000 ohm C.T. sec.: oc res, 500 ohms pri., 50 ohms sec. 1.5 ma . de unbalanced pri. current. Rated $100 \mathrm{mw} .3 / 4 \times 3 . \mathrm{m} \times 5 \mathrm{~m}^{4}$. Shog. wt. 4 orz. Imported.99 H 6124
Net 89

## 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 padio recelvers, amplifiers, hearing aids, etc. using standard transistors. Incorporate special heat-treated high permeabillty magnetic cores treated to resist corrosion. Designed for improved frequency response with low distortion. $3^{\prime \prime}$ color-coded leads. Average shpg. wt. 402 . Imported.

| Stock No. | Circuit | Impedance Pri.Ohms | Sec. Ohms | D.C. Resistance Pri. Ohms | Sec. Ohms | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 H 6125 | INPUT | 100.000 | 1000 |  | -1000 | 79 |
| 99 H 6126 | ORIVER | 10.000 | 2000 C.T. | 240 | $\begin{aligned} & 1000 \\ & 60 \mathrm{C} . \mathrm{T} . \end{aligned}$ | .79 .79 |
| 99 H 6127 | OUTPUT | $500 \mathrm{C} . \mathrm{T}$. | 3.2 | 42 C.T. | 60.7 0.7 | . 79 |
| 99 H 6034 | INPUT | 200.000 | 1000 | 1400 | 50.5 | .79 .89 |
| 99 H 6129 | OUTPUT | 500 C.T. | 8 | 50 C.T. | 1.7 | . 79 |

TRANSISTOR
OUTPUT TRANSFORMERS RATED 150 MW

Economically priced popular transistor output transformer for 10 to 11 ohm speakers. Rated power is 150 milliwalts. Primary impedance is 400 ohms, center-tapped and secondary 11 ohms. DC resistance of primary is 20 ohms and secondary 9 ohms. Size:

99 H 6209
Net . 89

## 100 MW TRANSISTOR DRIVER TRANSFORMER

Primary Impedance 20,000 ohms. Secondary impedance 1000 ohms. OC resistance of primary 400 ohms, of secondary 50 ohms. Unbalanced primary current $1 \mathrm{ma} D C$. rated 100 mw . Size: $1 / 4 \times 5 / 4 \times 5 / \mathbf{m}^{\prime \prime}$. Shpg. wt., 4 or. mported.
99 H 6002
Net 89

## TRANSISTOR OUTPUT TRANSFORMER

Onty $3 / 6 \times 7 / 6 \times 11 \mathrm{~s}_{6}^{\prime \prime} .2000$ ohm
 primary to 10 ohm volce coll. Matches most transistor outputs. Shpg. wh. 8 02. Imported.
99 H 6101 Net . . . 69


Primary 117 -Volt, secondary 24 Volts at 1 amp. Mounting centers $21 / a^{\prime \prime}$. Size $21 / a x$ $17 / 0 x y^{\prime \prime} 0^{\prime \prime}$. Imported. Shipping wt., $11 / 2$ lbs. 99 H $6266^{\circ}$

LAFAYETTE TRANSFORMERS


Fig. 1


F1g. 8


STEP DOWN

## $50 L 6$ OUTPUT

Fig. 8 Matches 50L6, 35L6, 25L6, etc. to $3-4$ ohm voice coll. Shpr. wt. $1 / 2 \mathrm{lb}$.
33 H 3701 Singiy, each
69
Lots of 5. Ea.
6.3 VOLT FILAMENT TRANSFORMER

Primary 115 V . Secondary 6.3 V at 1 amp . Shpg. wt., $3 / 4 \mathrm{lbs}$. 33 H 3702 Singly, each 1.39 Lots of 5. Ea.

UNIVERSAL OUTPUTS
Fig. A. Match any single of push-pull output tubes to any voice coll. Shpg. wt. 3/4 Ibs.
33 H 75034 Watt-Singly, each ... 1.49 In lots of 5, each 1.34 33 H 75048 Watt-Singly, each 1.79 In lots of 5, each 1.62

## STEP OOWN AUTO TRANSFORMERS

230 to 115 V . All supplied with $6^{\circ}$ Heavy duty line Cord and built in receptacle.

| Stock No. | Wattage | Primay | Secondary | Shpg. Wt. Ibs. | Singly each | ts of 5 each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 8801 | 100 | 230 | 115 V | 5 | 5.58 |  |
| 33 H 8802 | 150 | 230 | 115 V | $51 / 2$ | 7.50 | 5.07 6.82 |
| 33 H 8803 | 250 | 230 | 115 V | 8 | 9.00 | 8.18 |
| 33 H 8804 | 350 | 230 | 115 V | 91/2 | 9.83 | 8.94 |
| 33 H 8805 | 500 | 230 | 115 V | $14^{2}$ | 12.10 | 11.00 |
| 33 H8805 | 750 | 230 | 115 V | 19 | 12.10 15.50 | 17.00 14.08 |
| $33 \mathrm{H} \mathrm{8807wx}$ | 1000 | 230 | 115 V | 25 | 20.75 | 18.86 |
| 33 H 8808 WX | 1500 | 230 | 115 V | 31 | 24.25 | 22.02 |

POWER/ISOLATION TRANSFORMER

- Ideal For Amplifiers, Intercoms and Receivers 1 95

Here is a versatife power transformer that is ldeal for experimen. ters, hobbyists and constructors. Primary 117 volts and secondary 105 volts no-load- 82 volts with 150 ma filament load. Literally hun. dreds of uses for this versatile unit. A 10 page booklet gives oictorial and schematic diagrams for using this transformer in circuits for broadcast receiver phono oscillator, audio amplifier broadcast sta. tion, code practice osclliator, capacity operated relay. signal tracer, electronic timer, electronic switch and photocell relay. Minimizes the danger of shock by isolating circults from the power line. Size: $21 / 4 \times 2 \times 1 \frac{1}{2} 2^{\prime \prime}$. Shigg. wt., 3 lbs.
33 H 7502 Transformer
Net 1.95

## POWER TRANSFORMER for SELENIUM

 RECTIFIER CIRCUITSMost popular replacement power transformer for circults using selenlum rectifiers or rectifier tubes such as 6 AXS, $6 \times 4$. $6 \times 5$. Primary is 117 V 60 Cycles A.C. Plate supoly is 125 VAC $1 / 2$ wave at 15 ma with 6.3 S 0.6 amp filament winding. Size: $2 \times 236 \times$ $17^{\circ / 4}$ "; mounting centers $2^{\circ}$. Shog. wt.. 1 lb .
33 H 3405
Net 1.89


## Power, Filament and Driver Transformers

## POWER TRANSFORMERS

All primaries 117 V 60 cycle. All 6.3 V secondaries are C.T. except - and PC. 8414 which has extra 6.3 V amp winding. Types with * are for selenium rectifier circuits or tubes such as $6 A \times 5,6 \times 4,6 \times 5$, etc. All type M mig. except PC and $P$ are $C \mathrm{mtg}$. Ps is $S \mathrm{mtg}$. PA is $A \mathrm{mtg}$. $\dagger$ Plate $V$. not center tapped.

| Stock No. | Stam 10. | Plate |  | $\begin{aligned} & \text { 5V } \\ & \text { Amp } \end{aligned}$ | $\begin{aligned} & 6.3 \mathrm{~V} \\ & \mathrm{Amp} \end{aligned}$ | Sire | Wt. Lbs, | 1.9 | Net Each |  | 50-99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | VCT | MA |  |  |  |  |  | 10.24 | 25-49 |  |
| 33 H $8094 *$ | PS-8415 | 125 $\dagger$ | 15 | - | 0.6 | 2×23/8×17/8 | 3/4 | 2.97 | 2.68 | 2.53 | 2.38 |
| 33 H 8095* | PA-8421 | $125 \dagger$ | 50 | - | 2.0 | $21 / 4 \times 3 \frac{1}{4} \times 21 / 3$ | 11/2 | 4.65 | 4.18 | 3.95 | 3.72 |
| 33 H 8096* | PS.8416 | 250 | 25 | - | 1.0 | $2 \% \times 2 \%$ ¢ $13 / 4$ | 1 | 3.55 | 3.19 | 3.02 | 2.84 |
| 33 H 8097* | PC-8418 | 460 | 50 | - | 2.5 | 3\%/625/6x25/6 | $21 / 4$ | 5.88 | 5.30 | 5.00 | 4.70 |
| 33 H 8098* | PM. 8418 | 460 | 50 | - | 2.5 | $25 / 8 \times 21 / 2 \times 3$ | $21 / 4$ | 5.99 | 5.40 | 5.10 | 4.80 |
| 33 H 8101 | PC. 8401 | 470 | 40 | 2.0 | 2.0 | $37 / 1 \times 25 / 8 \times 25 / 8$ | 21/4 | 6.15 | 6.10 | 5.76 | 5.42 |
| 33 H 8102 | PM. 8402 | 480 | 55 | 2.0 | 2.0 | $231 / 4 \times 21 / 2 \times 3$ | 21/2 | 7.29 | 6.56 | 6.20 | 5.83 |
| 33 H 8103 | PC. 8402 | 480 | 55 | 2.0 | 2.0 | $3 \mathrm{~K} \times 2 \mathrm{~F} / 8 \times 23 / 4$ | $21 / 2$ | 6.46 | 5.81 | 5.49 | 5.17 |
| 33 H 8105* | PC. 8419 | 480 | 70 | - | 3.0 | 27/8x21/2x3 | 23/4 | 6.74 | 6.07 | 5.72 | 5.39 |
| 33 H 8106* | PM. 8420 | 520 | 90 | - | 4.0 | $31 / 2 \times 27 / 8 \times 378$ | 31/2 | 8.24 | 7.42 | 7.01 | 6.59 |
| 33 H $810{ }^{\circ}$ | PC. 8420 | 520 | 90 |  | 4.0 | $31 / 2 \times 31 / 4 \times 213 / 6$ | $31 / 2$ | 7.86 | 7.08 | 6.68 | 6.29 |
| 33 H 8108 | PM. 8403 | 500 | 70 | 2.0 | 2.5 | $31 / 8 \times 21 / 2 \times 3$ | $31 / 4$ | 8.02 | 7.22 | 6.82 | 6.42 |
| 33 H 8111 | PC. 8404 | 520 | 90 | 2.0 | 3.0 | $31 / 2 \times 31 / 2 \times 21 \% 6$ | 4 | 8.69 | 7.83 | 7.40 | 6.96 |
| 33 H 8112 | PM. 8405 | 540 | 120 | 3.0 | 3.5 | $31 / 2 \times 31 / 8 \times 33 / 4$ | 5 | 11.80 | 10.62 | 10.03 | 9.44 |
| 33 H 8113 | PC. 8405 | 540 | 120 | 3.0 | 3.5 | $4 \times 31 / 4 \times 31 / 2$ | 5 | 11.33 | 10.20 | 9.64 | 9.07 |
| 33 H 8114 | PM-8423 | 600 | 90 | 2.0 | 3.5 | $3 \times 33 / 8 \times{ }^{1} 1^{1}$ | 4 | 10.20 | 9.18 | 8.67 | 8.17 |
| $33 \mathrm{H} 8115^{\circ}$ | P6358 | 600 | 65 |  | 2.7 | $31 / 8 \times 25 / 8 \times 21 / 2$ | 3 | 7.18 | 6.46 | 6.10 | 5.75 |
| 33 H 8072 | PC. 8407 | 650 | 55 | 2.0 | 2.0 | $31 / 4 \times 25 / 8 \times 31 / 8$ | 31/4 | 7.59 | 6.84 | 6.46 | 6.08 |
| 33 H 8073 | PM. 8408 | 680 | 70 | 2.0 | 2.5 | $31 / 2 \times 27 / 8 \times 33 / 88$ | 4 | 9.34 | 8.41 | 7.95 | 7.48 |
| 33 H 8074 | PC. 8408 | 680 | 70 | 2.0 | 2.5 | $35.8 \times 3 \times 37 /$ |  | 9.34 | 8.41 | 7.95 | 7.48 |
| 33 H 8075 | PM-8409 | 700 | 90 | 2.0 | 3.0 | $31 / 2 \times 33 / 8 \times 21 / 4$ | 41/2 | 9.98 | 8.98 | 8.48 | 7.98 |
| 33 H 8076 | PC. 8409 | 700 | 90 | 2.0 | 3.0 | 35/6×3×35/8 | $41 / 2$ | 11.53 | 10.38 | 9.81 | 9.22 |
| 33 H 8077 | PM. 8410 | 720 | 120 | 3.0 | 3.5 | $31 / 4 \times 31 / 8 \times 31 / 2$ | $51 / 2$ | 11.80 | 10.62 | 10.03 | 9.44 |
| 33 M 8078 | PC. 8410 | 720 | 120 | 3.0 | 3.5 | 4 $31 / 4 \times 33 / 4$ | 51/2 | 11.05 | 9.95 | 9.39 | 8.84 |
| 33 H 8080 | PC. 8411 | 750 | 150 | 3.0 | 4.5 | 45/6x $\times 3 / 6 \times 4$ |  | 15.18 | 13.67 | 12.91 | 12.15 |
| 33 H 8081 | PM. 8412 | 800 | 200 | 3.0 | 5.0 | 37/8x $31 / 4 \times 41 / 2$ | $81 / 4$ | 16.06 | 14.46 | 13.66 | 12.85 |
| 33 H 8082 | PC. 8412 | 800 | 200 | 3.0 | 5.0 | $47 / 4 \times 4 \times 4$ | 81/4 | 15.81 | 14.23 | 13.44 | 12.65 |
| 33 H 8083 | PC. 8414 | 1200 | 200 | 3.0 | 3.0 | $411 / 6 \times 31 / 4 \times 4$ | $81 / 2$ | 18.87 | 16.99 | 16.04 | 15.10 |

## FILAMENT TRANSFORMERS

All primaries afe 117 volt $50-60$ cy $A C$ except * which is 6.3 volt and $\uparrow$ which has a $117 / 107 \mathrm{~V}$. $\ddagger$ has four 6.3 V secondaries with 1 center tap. has two 6.3 V secondaries with 1 center tap.

| Stock No. | Stan No. | VoltsSecendary I <br> Amperes |  | Insul. | Mt. Shpe. We. Type in Lbs. |  | 1.9 | $\begin{aligned} & \text { Net Each } \\ & 10.24 \quad 25-49 \end{aligned}$ |  | 50.99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H8084 | P. 6133 | 2.5 CT | 5.0 | 7,500 | S | 1.5 | 5.04 | 4.54 | 4.29 | 4.04 |
| 33 H 8085 | P.6454 $\dagger$ | 2.5 CT | 10.0 | 7,500 | S | 2.5 | 5.14 | 4.62 | 4.37 | 4.12 |
| 33 H 8088 | P. 6467 | 5.0 CT | 3.0 | 2.500 | A | 1.4 | 4.02 | 3.62 | 3.41 | 3.22 |
| 33 H 8093 | P. 6492 | 5.0 CT | 30.0 | 2.500 | C | 7.5 | 14.74 | 13.27 | 12.53 | 11.80 |
| 33 H 8049 | P. 6465 | 6.3 CT | . 6 | 1,500 | A | 0.4 | 2.47 | 2.23 | 2.09 | 1.97 |
| 33 H 8050 | P. 6134 | 6.3 CT | 1.2 | 3,000 | A | 0.8 | 2.63 | 2.37 | 2.24 | 2.11 |
| 33 H 8051 | P. 8190 | 6.3 | 1.2 | 5,000 | A | 1.0 | 3.41 | 3.07 | 2.91 | 2.73 |
| 33 H 8052 | P.8191* | 6.3 | 1.2 | 5,000 | A | 1.0 | 4.01 | 3.61 | 3.40 | 3.21 |
| 33 H 8054 | P-5014 | 6.3 CT | 3.0 | 2,500 | 8V | 2.0 | 5.50 | 4.95 | 4.68 | 4.40 |
| 33 H 8055 | P. 6466 | 6.3 CT | 3.0 | 2,500 | A | 1.4 | 3.99 | 3.59 | 3.39 | 3.19 |
| 33 H 8056 | P-6462 $\dagger$ | 6.3 | 3.0 | 7,000 | S | 2.0 | 7.26 | 6.54 | 6.18 | 5.81 |
| 33 H 8059 | P.6431 \# | 6.3 CT | 6.0 | 2,500 | C | 4.8 | 10.67 | 9.61 | 9.08 | 8.54 |
| 33 H 8060 | P.4019 1 | 6.3 CT | 4.0 | 2,500 | C | 2.7 | 6.44 | 5.80 | 5.47 | 5.15 |
| 33 н 8061 | P. 3064 | 6.3 CT | 6.0 | 2,500 | 8 V | 2.4 | 6.38 | 5.75 | 5.43 | 5.11 |
| 33 H 8063 | P.6456 $\dagger$ | 6.3 CT | 6.0 | 2,000 | A | 2.0 | 4.72 | 4.25 | 4.02 | 3.78 |
| 33 H 8064 | P. 6464 | 6.3 CT | 10.0 | 2,000 | C | 3.5 | 8.41 | 7.57 | 7.14 | 6.73 |
| 33 H 8065 | P.6308 $\dagger$ | 6.3 CT | 10.0 | 2,500 | gV | 3.4 | 8.08 | 7.28 | 6.87 | 6.46 |
| 33 H 8066 | P.6309 $\dagger$ | 6.3 CT | 20.0 | 2,500 | BV | 6.7 | 12.31 | 11.08 | 10.47 | 9.85 |
| 33 H 8067 | P. 5015 | 7.5 CT | 4.0 | 2,500 | 8 V | 2.7 | 6.27 | 5.65 | 5.33 | 5.02 |
| 33 H 8068 | P. 64571 | 7.5 CT | 21.0 | 2,000 | C | 8.0 | 16.55 | 14.90 | 14.06 | 13.24 |
| 33 H 8069 | P-6458 | 10.0 CT | 5.0 | 2,000 | BV | 3.0 | 5.88 | 5.30 | 5.00 | 4.70 |
| 33 H 8118 | P. 40971 | 10.0 CT | 8.0 | 2,500 | C | 5.2 | 9.45 | 8.51 | 8.04 | 7.56 |
| 33 H 8119 | P. 8130 | 12.6 CT | 2.0 | 1.500 | A | 1.4 | 4.35 | 3.92 | 3.70 | 3.48 |
| 33 H 8120 | P. 6469 | 25.2 | 1.0 | 1,500 | A | 1.4 | 4.06 | 3.66 | 3.46 | 3.25 |

INTERCOM AND TRANSCEIVER TRANSFORMERS
A3833 and A3817 are for citizens band transceivers; A4749 for telephone patch circuits; A4744 for fatercoms voice coll to grid input. Max, watts $13 ;{ }^{-5 ;} 58 ; \$ 10$.

| Stock No. | Stan Mo. | Application | $\mathrm{Fig}_{\mathrm{g}}$. | Pri. Ohms | Sec. Ohms | Size | Wt. Les. | $\begin{aligned} & \text { Net Each } \\ & 1.9 \quad 10-24 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H B248 | A3833* | cit. Band | A | 200/5000 | 60,000 | 136x23011/2" | 7 | 4.64 | 4.18 |
| 33 H 8249 | A4744 | Intercom | VE | 4 | 25,000 | $13 / 8 \times 2^{3 / 8} \times 11^{1 / 2}$ | 3/4 | 2.56 | 2.30 |
| 33 H 8251 | A8090 $\dagger$ | General | 0 | 45-50 | 3-4/6-8 | $13 / 8 \times 23 / 8 \times 11 / 2 "$ | $3 / 4$ | 2.44 | 2.20 |
| 33 H 8252 | A8091§ | General | Q | 45.50 | 3-4/6-8 | 15/8x27/8x15/8" | 1 | 2.63 | 2.37 |
| 33 H8253 | A3817 | Cit. Band | A | 5000 | 6750/4 | $11 \%$ ¢ $11 / 2 \times 23 / 8{ }^{\prime \prime}$ | $3 / 4$ | 4.17 | 3.76 |

# Outputs, Chokes, Audio, Special Transformers 

UNIVERSAL OUTPUT TRANSFORMERS
Match single or push pulf 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. | $\begin{aligned} & \text { Het Each } \\ & 1-9 \quad 10-24 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 8124 | A $3250{ }^{\circ}$ | 5K,10K.20K CT | (15 ma) | 2x31/4×13/4 | 1 | 5.09 | 4.58 |
| 33 H 8125 | A 3822 | 7 710K | $1{ }^{4}$ | 13/8×23/8×13/6 | 3/4 | 2.52 | 2.27 |
| 33 H8126 | A3823 | 4-14K CT | 8 | $15 / 8 \times 27 / 8 \times 11 / 2$ | $3 / 4$ | 4.17 | 3.76 |
| 33 H 8127 | A3825 | 1.5-4.5K | 8 | 2×34/4×15/8 | $11 / 4$ | 3.35 | 3.02 |
| 33 H 8128 | A3830 | 3-10K CT | 20 | 21/68 $\times 3 \mathrm{~K}_{6} \times 21 / 4$ | 2 | 5.38 | 4.84 |
| 33 H8130 | A3849 | 1.5-10K | 10 | $15 / 6 \times 27 / 8 \times 11 / 2$ | 1 | 4.02 | 3.62 |
| 33 H 8131 | A3850 | 4.14K CT | 8 | 2 $\times 231 / 8 \times 11 / 2$ | 1 | 4.21 | 3.79 |
| 33 H 8132 | A3852 | $4-14 \mathrm{~K}$ CT | 18. | 2\% $\times 2 \% \times 2$ | 1 | 5.03 | 4.53 |
| 33 H 8133 | A 3856 | 4-14K CT | , | 17/6x ${ }^{3 / 8 \times 13 / 6}$ | $17 / 4$ | 3.52 | 3.17 |
| 33 H8134 | A3870 | 4-14K CT | 18 | 2x31/4x2 | 17/4 | 5.19 | 4.67 |
| 33 H 8135 | A3880 | 4-14K CT | 15 | $21 / 4 \times 33 / \times 21 / 2$ | $13 / 4$ | 5.52 | 4.97 |
| 33 H8136 | A3824 | 6-10K |  | 2x34/42 | $11 / 4$ | 4.04 | 3.63 |

## FIXEO OUTPUT TRANSFORMERS

All are type A mtg. except * is C. A3337 similar to A but leads come out side

| Stock No. | Stam. Me. | Primery | Secondary | Watts | In. Mes. Centers | shpg. Wt. | $\begin{aligned} & \text { Net Each } \\ & 1-9 \quad 10-24 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 8137 | A2312 | 14,000CT | 4 | 10 | 23\% | 11/4 | 3.67 | 3.30 |
| 33 H 8138 | A2313 | 7.000 | 8 | 10 | 21\% | 1 | 3.36 | 3.03 |
| 33 H 8140 | A3311* | 10 KCT | 500/16/8/4 | 25 | 21/4×2 | $31 / 2$ | 8.13 | 7.32 |
| 33 H 8141 | A3327 | 25k | 4 | 5 | 2 | 1/2 | 2.36 | 2.13 |
| 33 H 8142 | A3328 | 4.000 | 3.5 | 3 | 13/4 | 1/2 | 1.79 | 1.61 |
| 33 H 8143 | A3329 | 8,000 | 3.5 | 3 | 13/4 | 1/2 | 1.86 | 1.67 |
| 33 H 8144 | A3332 | 2.000 | 3.2 | 3 | 13/4 | $1 / 2$ | 1.73 | 1.56 |
| 33 H 8145 | A3337 | 5 K | 6.8 | 10 | 2\% | 1 | 2.89 | 2.61 |
| 33 H 8146 | A3800* | 5.000 CT | 500/250/15/8/4 | 30 | 21/42 | 4 | 8.55 | 7.69 |
| 33 H 8147 | A3801* | 6.600CT | 500/250/15/8/4 | 35 | 21/2×234 | $41 / 2$ | 10.88 | 9.79 |
| 33 H 8148 | A3831 | 10 KCT | 8/4/2 | 5 | 2\% | 1 | 3.47 | 3.13 |
| 33 H 8149 | A3857 | 25K CT | 4 | 5 | 2 | 3/4 | 3.05 | 2.74 |
| 33 H 8150 | A3876 | 2.000 | 4 | 5 | 2 | 3/4 | 1.84 | 1.66 |
| 33 H 8151 | A3877 | 5.000 | 4 | 5 | 2 | 3/4 | 1.84 | 1.66 |
| 33 H 8152 | A3878 | 7.000 | 4 | 5 | 2 | 3/4 | 1.92 | 1.73 |
| 33 H 8153 | A3879 | 10.000 | 4 | 5 |  | 3/4 | 1.87 | 1.69 |
| 33 H8154 | A8093 | 10,000CT | 3.4 | 10 | 2\% | 1/2 | 2.86 | 2.58 |
| 33 H 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 . an
$\ddagger$ are C and $\uparrow$ are NV . \# are $\mathrm{TD}, \mathrm{A}$ are BH .

| Steck No. | Stam. Mo. | Wys. | Ma | Ohms | Size | Shpt. WL. Los. | $\begin{aligned} & \text { Net Each } \\ & 1.9 \\ & 10.24 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 8157 | C-1001* | 10.5 | 110 | 225 | 25/6x $\times 2 \times 24$ | 2.3 | 4.52 | 4.07 |
| 33 H 8158 | C. 1002 | 15.0 | 75 | 400 | $21 / 4 \times 33 / 4 \times 21 / 4$ | 1.7 | 3.47 | 3.13 |
| 33 H 8159 | C. 1003 | 16.0 | 50 | 580 | $2 \times 31 / 4 \times 13 / 4$ | 1.1 | 2.62 | 2.36 |
| 33 H 8160 | C-1080 | 3.5 | 50 | 200 | 156x11/2×23\% | 0.7 | 2.01 | 1.81 |
| 33 H8161 | C. 1215 | 9.0 | 50 | 500 | $15 / 8 \times 27 / 6 \times 1 / 2$ | 0.7 | 2.08 | 1.87 |
| 33 H 8162 | C. 1279 | 8.5 | 50 | 400 | $15 / 6 \times 27 / 8 \times 1 / 2$ | 0.7 | 2.04 | 1.84 |
| 33 H 8163 | C. 1325 | 5.0 | 50 | 250 | $13 / 6 \times 27 / 6 \times 1 / 2$ | 0.7 | 2.17 | 1.95 |
| 33 H 8164 | C-1410. ${ }^{\text {d }}$ | 4.0 | 175 | 100 | 3\% $\times 2 \% \times 2 \%$ | 2.4 | 5.93 | 5.34 |
| 33 H 8165 | C-1411* | 4.5 | 200 | 80 | 33\% $\times 3 \times 31 / 4$ | 3.5 | 7.12 | 6.41 |
| 33 H 8169 | C-1515 | 20 | 15 | 900 | 13/8x27/6x11/2 | 0.7 | 2.86 | 2.58 |
| 33 H 8170 | C-1706 | 4.5 | 50 | 300 | 136823613\% | 0.4 | 1.64 | 1.48 |
| 33 H 8171 | C-1707 | 7.0 | 50 | 550 | 1360230x13/4 | 0.4 | 1.92 | 1.73 |
| 33 H 8173 | C. 1709 | 8.0 | 85 | 250 | 2x31/4x2 | 1.4 | 2.97 | 2.68 |
| 33 H 8174 | C-1710 | 7.0 | 150 | 200 | 25\%9x4x21/4 | 2.2 | 4.65 | 4.19 |
| 33 H 8176 | C-1722** | 8.0 | 300 | 80 | 45/4x33/4 $\times 31 / 2$ | 7.3 | 13.19 | 11.87 |
| 33 H 8177 | C-2303 $\dagger$ | 2.5 | 130 | 100 | $2 \times 31 / 4 \times 13 / 4$ | 1.0 | 2.79 | 2.52 |
| 33 H 8178 | C. 2304 | 2.3 | 150 | 60 | 2×31/4x13/4 | 1.0 | 2.83 | 2.55 |
| 33 H 8179 | C-2305 | 5 | 100 | 300 | 211/6x $\times 2 / 4 \times 2 \%_{0}$ | 1.5 | 4.55 | 4.10 |
| 33 H 8181 | C.2309 $\dagger$ | 3.0 | 150 | 90 | 21/4×33/a $\times 24 / 4$ | 1.7 | 3.33 | 3.01 |
| 33 H 8182 | C-2325 | 2.0 | 200 | 60 | $21 / 4 \times 33 / 4 \times 21 / 4$ | 1.8 | 3.60 | 3.24 |
| 33 H 8183 | C-2326 | 1.0 | 300 | 43 | $21 / 4 \times 33 / 4 \times 21 / 4$ | 1.7 | 3.60 | 3.24 |
| 33 H 8184 | C-2327 | 1.5 | 200 | 85 | 15/6x27/6x1/2 | 0.8 | 2.41 | 2.17 |
| 33 H 8187 | C-2343 | 75 | 300 | 32 | 15/627/9×1/2 | 0.6 | 2.14 | 1.93 |
| 33 H 8188 | C-2344 | . 5 | 10 | 85 | 11/4×21/8x $1^{1 / 8}$ | 0.5 | 1.55 | 1.40 |
| 33 H 8189 | C-2345 | 350 | 5 | 5600 | 2×31/4×13/4 | 1.5 | 4.34 | 3.91 |
| 33 н 8190 | C-2346 | 35 | 15 | 1800 | $13 / 8 \times 21 / 2 \times 11 / 4$ | 0.5 | 2.15 | 1.94 |
| 33 н 8191 | C-2685A | . 035 | 2A | . 75 | 23/8x23/8x23/4 | 1.9 | 4.35 | 3.92 |
| 33 H 8192 | C.2686 | 0.025 | 4 A | . 425 | 3x336x27/6 | 3.4 | 7.59 | 6.84 |
| 33 H 8194 | C.2688 $\triangle$ | 01 | 12.5A | 11 | 31/2×44/8×3\%. | 5.9 | 11.55 | 10.40 |

[^11]
## 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 cycle AC input. Type C mig. Size: $33 / 4 \times 37 / 4 \times 31 / e^{\prime \prime}$. Shpg. wt., $61 / 2 \mathrm{lbs}$.
33 H 8229
Net 14.01

## POLYPEDANCE MODULATION

## TRANSFORMERS

Fig. A. for transmitters to match class B modulators to class C load impedance. Primaries and secondarys multi-tapped to match loads from 2.000 to 20.000 ohms Type A.3893. Rated 60 watts, primary and secondary 180 ma . Size: $4 \times 34 / 4 \times 41 / \mathrm{s}^{\prime \prime}$. Shpg. wt. 7 lbs
33 H 8207
Net 17.30
Type A-3894, Rated 126 watts, with 125 ma. windings. Size: $47 / 4 \times 4 \times 45 / 8^{\prime \prime}$. Shpg. wt., 10 lbs 33 H 8208

Net 22.70

## MICROPHONE TRANSFORMERS

A.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. $500 / 333 / 200 / 125 / 50$. Mig. Centers $\mathbf{2}^{\prime}$ '1ı" $_{1}$ Size: $2 \times 31 / 4 \times 13 / 4$
33 H 8199 Shpg. wt., $1 \mathrm{lb}, 1-9$ Net ea. 5.28
10-24 ea. 4.76
25-49 ea. 4.49
$50-99$ ea. 4.23
A-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 $1: 13.3$. Mfr. Cirs.
 $11 / 2 \mathrm{lbs}$.
$\begin{array}{ll}10-24 & \text { ea. } \\ 5.41 \\ 50.99 & \text { ea. } \\ 4.81\end{array}$
$1-9$ ea. 6.01

A-4705. Fig. A. For single button mike to single grid. Pri. Imp. 200/70. Sec. Imp. 80,000. Turns ratio $1: 20$ Mit. center. 2" Size: $13 / 0 \times 27 / 4 \times 13 /^{\prime \prime}$. Shpg. wt., $1 / 2 \mathrm{lb}$. 33 H 8203
1.9 ea. 4.15
10.24 ea. $3.73 \quad 25.49$ ea. 3.52
$50-99$ ea. 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: $25 \times 4 \times 21 / 2^{\prime \prime}$. Mig. ctrs, $3 \mathrm{~K}_{0}{ }^{\prime \prime}$. Shpg. wt., $21 / 2$ tbs. Supplied with complete data sheet. 33 H 8204 .. $1-9$ ea. $14.40 \quad 10-24$ ea. 12.96

AIR CONDITIONER AUTOTRANSFORMERS

PSU-2000. Especially designed for use with
 home air conditioners
having $1 / 2$ to 1 hp mo. tors ( $1 / 2$ to 1 ton units). Converts 208 volt units to 230 volt llne 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: $31 / 2 \times 33 / 4 \times 61 / 2.2$
33 H 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 conditloners. Converts 208 volt unit to 230 volt or 230 volts unit to 208 V . $4 \times 6 \times 41 / 2^{\prime \prime \prime}$. Shpg. wt. 10 lbs.
33 H 8206

## Chicago-Stancor Transformers

Desianed to operate in full-wave center-tapped or bridze type clrcults. Each transformer has a tapped primery and a tapped didional winding permittine a wide range of output voltages. Al are BY mts type. Primaries are for $117 \mathrm{~F} 50 / 60 \mathrm{CPS}$ AC gevration. Supplied with wiring chart.

| Steck No. Stan. Mo. |  | Range of AC Volts | Max. D.C. Nonistive | Ortiput Lex Exacoltive | Fiz | We Lles. | Met lat |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1.8 |  |  |  |  | 18.24 | 25-40 | - |
| 33 H | 107209 |  | $\begin{aligned} & 11.7 \text { to } 29.4 \\ & 11.1 \text { to } 28.5 \end{aligned}$ | $\begin{aligned} & 11.24 \text { at } 24 \\ & 23 x y \text { at } 1.25 A \end{aligned}$ | $\begin{aligned} & 13.8 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \\ & 30.0 \mathrm{~V} \text { at } 1.25 \mathrm{~A} \end{aligned}$ | $34 \times 2$ 1\% $\times 24 / 2$ | 21/4 | 6.79 | 6.07 | 5.73 | 5.9 |
| 33 H 8231 | RT-202 | $\begin{aligned} & 12.0 \text { to } 29.8 \\ & 12.0 \text { to } 29.8 \\ & \hline \end{aligned}$ | $\begin{aligned} & 11.1 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \\ & 24.3 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & \text { 14.7V at } 4.0 \mathrm{~A} \\ & 33.0 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \end{aligned}$ | $3 K_{0} \times 3 \mathrm{~K}_{0} \times 2{ }^{1} \mathrm{~K}_{6}$ | 4 | 8.19 | 8.28 | 7.82 | 7.36 |
| 33 H 8232 | RT-204 | $\begin{aligned} & 11.7 \text { to } 29.2 \\ & 11.6 \text { to } 29.2 \end{aligned}$ | $\begin{aligned} & 12.0 \mathrm{~V} \text { at } 8.0 \mathrm{~A} \\ & 24.0 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 14.5 \mathrm{~V} \text { at } 8.0 \mathrm{~A} \\ & 32.4 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ |  | $61 / 4$ | 11.8 | 10.75 | 10.15 | 9.55 |
| 33 H 0233 | IT-206 | $\begin{aligned} & 12.0 \text { to } 29.7 \\ & 12.0 \text { to } 29.7 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 11.5V at } 12.0 \mathrm{~A} \\ & 24.0 \mathrm{~V} \text { at } 6.0 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 14.4 \mathrm{~V} \text { at } 12.0 \mathrm{~A} \\ & 32.0 \mathrm{~V} \text { at } 6.0 \mathrm{~A} \end{aligned}$ | $43_{6} \times 31{ }^{1 / 6} \times 3 \%$ | 91/4 | 15.67 | 14.11 | 11.31 | 12.53 |
| 33 H 8235 | RT-2012 | $\begin{aligned} & 12.2 \text { to } 29.0 \\ & 12.2 \text { to } 20.0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 11.4V at } 22.5 \mathrm{~A} \\ & 23.5 \mathrm{~V} \text { at } 12.0 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & \text { 14.3V at } 22.5 \mathrm{~A} \\ & 33.0 \mathrm{~W} \text { at } 12.0 \mathrm{~A} \end{aligned}$ | $5 \%_{6} \times 41 / 86 \times 43 / 8$ | 21 | 36.12 | 32.51 | 30.71 | 20.80 |

## ISOLATION TRANSFORMERS

Electrogatic shields are rreund intemally to arere. All have 1500Y insul. tPri. tapped for 125.115 and 105 V with 115 V . Scc. 127 . Pri., toled sec. with sockets for 105,115 and 125 V . +11 V PT. to 117 V sec.

| Stock Mo. | Stex Mo. | Fig. | 5128 | Watts | We. Lhs. | Mot Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | 1-8 | 18-24 | 25-49 | 50.99 |
| 33 M 123 | P-6160t | KA | $43 / 4 \times 4 \times 37 / 8^{\prime \prime}$ | 100 | 7 | 19.07 | 17.17 |  |  |
| 33 M 8240 | P-6371 1 | TE | 5\% $\times 4 \% \times 4 \%{ }^{\text {m }}$ | 175 | 9 | 24.33 | 21.18 | 16.21 | $15.26$ |
| 33 H 8241 | P-6410才 | K | $3 \% 6 \times 21 / 6 \times 25 /{ }^{\prime \prime}$ | 50 | 4 | 0.34 | 21.41 | 20.68 | 1.47 |
| 33 H $\mathbf{2 4 2}$ | P-6415* | HC | $53 / 8 \times 41 / 2 \times 53 / 4^{\prime \prime}$ | 350 | 17 | 30.42 | 27.3 | 285 | 24.34 |

CONTROL TRANSFORMERS
Automation-type transformer designod to previde trouble-free performance in hish speed automatic oquip. Adepted to relays and pilot lamps. Two secondary windings permit series or parallel operation. Primary 115 or $2301550-60 \mathrm{cps}$. \# Secondaries rated .5 mp .

| Stock Me. | Mir. Mo. | Fis. | Secondary |  | Siz | Mtg. Cts. | Wt. Les. | Wet Esel |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Parallel | Series |  |  |  | 1.9 | 10-24 | 25-43 | 50-88 |
|  | $\text { P- } 6375$ | J | 6 V at 2 A | 12V at 1A | 2\% $27 / 4 \times 1 \%$ " | " $27{ }^{\circ}$ | 1 | 4.84 | 3.63 | 3.44 | 3.24 |
| 33 H 8244 | $\begin{aligned} & \text { P- } 6376 \\ & \text { P. } 6377 \end{aligned}$ | J | $6{ }^{60}$ at 4 A | 12 V at 2A | $3{ }^{1 / 4} \times 34 \times 2^{\text {a }}$ | 21\%" | $11 / 2$ | 4.73 | 4.23 | 4.03 | 3.79 |
| 3 H 8245 33 H 8246 | P-6377 P-6378 | EV | $12 \%$ at 44 | 24V at 2A | $31 / 837 / 8 \times 274{ }^{\prime \prime}$ | -310* | $21 / 2$ | 5.89 | 5.31 | 5.01 | 4.71 |
| 33 H 8247 | P-6379 | 8 V | 12vat 1R | 2 VV at 8A | $31 / 2 \times 27 / 8 \times 3$ $41 / 3 \times 33 / 4 \times 31 / 2$ | 21/4"x214" | $81 / 2$ | 9.57 | 8.62 | 8.14 | 7.66 |
| 33 H 8405 | P. 8364 | J | volt and cur | nt comb. | 2\%/521/8×27/6" | - $274{ }^{\text {a }}$ | 11/2 | 13.58 | 14.12 | 13.38 | $12.54$ |

DRIVER TRANSFORMERS
Ali type A mit. 10,000 ohm primary, single plate to push-pull rrids. Use between first audio and push-pull output. Ratio is pri, to $1 / 2$ Sec.

| Stect Mo. | Stem. No. | $\begin{aligned} & \text { Man MA } \\ & \text { PI. DC } \end{aligned}$ |  | Patie |  | Stins. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 8121 | A-4713 | 30 | 10,000 | 2.1 | Sizt |  | 1-9 | 10-24 |
| 33 \#18122 | A-4723 | 30 | 10,000 | $2: 1$ $3: 1$ | 158627/8×11/2 | 1/2 | $\begin{aligned} & 2.75 \\ & 2.81 \end{aligned}$ | 2.81 |
| 33 H 8123 | A-4752 | 40 | 10,000 | 2/1.5/1:1 | $\frac{1}{} 2 \times 31 / 4 \times 13 / 4.2$ | 1/2 | 2.81 3.90 | 2.55 3.51 |

## EXACT DUPLICATE FLYBACKS

They are exact electrical and physical duplicates, (Av. shps. wt., $11 / 3 \mathrm{lbs}$.)

Stint Mo.

| 33 H 255 | AOMARAL |  |
| :--- | :--- | :--- | :--- |
| 33 H 8253 | A-8133 79C30-1/3 | 11.10 |


|  | - | $79 \mathrm{C} 38-1,79 \mathrm{D} 38-1$ | 12.14 |
| :---: | :---: | :---: | :---: |
| 35 H 2957 | A-8255 | 79C60-2/-3 | 9.84 |
| 33 M 252 | A-8135 | 79041-1/-2 | 11.42 |
| 33 H 8250 | A-8292 | 79D65-1 | 8.94 |
| 33 N 0231 | HO-301 | 79D65-2/-4 | 0.04 |
| 33 Mres | H0-304 | 79077-2 | 0.04 |
| 23 N 03\% | H0-350 | 79083-4.5 7.8.1 ${ }^{\text {b }}$ | 808 |
| 33 H 1270 | ${ }_{\text {A-B131 }}^{C A}$ | $\begin{aligned} & \text { PerART } \\ & 750-163 A-1 \end{aligned}$ | 7.80 |
| 33 H 8274 | A-8263 | $\begin{aligned} & \text { OSLEY } \\ & \text { 158481-1/-2/-5 } \end{aligned}$ | 8.94 |
| 33 H 1276 | A-252 | MONT <br> 20008061/8402 | 5.4 |
| 23 H 8270 |  | ERSON $738047 / 48 / 5$ |  |

н 2170 A-8131 738047/48/53/60 7.00
33 H 824 A-8130 7711, except where

316


## STANCOR MODEL H0601C COLOR FLYBACK

Exact replacement for RCA No, 113382 and twenty-one different manufacturers of color TV sets. Shpg. wt. 2 pos. 33 M 8103

# Yokes -Adjustable Transformers 

2
T0

TS

## STANCOR VERTICAL OUTPUT TRANSFORMERS

All type A. except $\uparrow$ is autoformer type. Average shpg. wt., 2 lbs.

| Stock No. | Stan No. | DC Pri | Res Sec | Size | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H8019 | A. 8112 | 1300 | 10 | $2 \times 17 / 4 \times 31 / 4$ | 3.82 |
| 33 H 8021 | A-8115 | 600 | 7 | $3 \mathrm{Kox} 21 / 2 \times 21 / 2$ | 7.44 |
| 33 H 8022 | A. 8123 | 1200 | 11 | $2 \times 17 / 4 \times 31 / 4$ | 3.72 |
| 33 H 8024 | A.8141 $\dagger$ | 1650 | 4.5 | $21 / 4 \times 33 / 4 \times 21 / 8$ | 5.28 |
| 33 H 8040 | V0-108 $\dagger$ | 350 | 10.3 | 2x34/4×2 | 3.64 |

## VERTICAL BLOCKING OSCILLATORS

$\dagger$ Vertical blocking oscillators turns ratio 1:4.2
Average shlpping weight $1 / 2 \mathrm{lb}$. each.

| Stock NO. | Stan No. | Size | Diag. | Net |
| :---: | :---: | :---: | :---: | :---: |
| $33 \mathrm{HB042}$ | A.8111 | 11/2x21/2 | A | 2.53 |
| 33 H 8044 t | A.8122 | 1\%61\% | TS | 5.11 |
| 33 H 80464 | A-8125 | 2\% $\times$ x $11 / 4$ | A | 2.44 |
| ACME T8394M VARIABLE |  |  |  |  |
| VOLTAGE ADJUSTER |  |  |  |  |
| 300 W. continuous duty variable transform- |  |  |  |  |
| er. Adjusted by rotary tap sw. Used as step |  |  |  |  |
| up or step down. Voltmeter shows sec. |  |  |  |  |
| voltage. Pri. 95/100/105/110/115/120/125 |  |  |  |  |
| volts at $50 / 60 \mathrm{cps}$. Sec, out $115 \mathrm{~V} .8^{\prime}$ cord |  |  |  |  |
|  |  |  |  |  |
| 33 H 4001 |  | Net |  |  | 33 H 400 O

## STANCOR LINE TO VOICE COIL TRANSFORMER

All are $J$ type Mtg. except - which is $Q$ type Mtg. $\$ 25 \mathrm{~V}$ Type $\ddagger 70.7 \mathrm{~V}$ type. $\S$ power steps in watts.

| Stock No. | Stan. No. | Impedance |  | Watt | MIg. ctrs. | Wt. Lbs. | $\begin{aligned} & \text { Net } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 10.24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 8001 | A3818 | 1500/1000/500 | 15/8/4 | 25 | 31/8 | 21/2 | 6.13 | 5.52 |
| 33 H 8004* | A7947 | 2000/1500/ | 6.8/3.2 | 8 | 23/6 | 1/4 | 3.62 | 3.26 |
|  |  | 1000/500 |  |  |  |  |  |  |
| 33 H 8006 | A8101 | 500 | $\begin{aligned} & 6-8 / 3.2 \\ & 4 / 8 / 16 \end{aligned}$ |  |  | $\begin{aligned} & 1 / 2 \\ & 11 / 2 \end{aligned}$ |  | $\begin{aligned} & 2.00 \\ & 5.39 \end{aligned}$ |
| 33 H 8008 | A8103 $\ddagger$ | 16/8/4/2/1/0.5§ | $4 / 8 / 16$ | $\begin{aligned} & 16 \\ & 16 \end{aligned}$ | ${ }_{2}{ }^{1 \%}$ | $1 / 2$ $1 / 2$ | 5.99 3.19 | $\begin{aligned} & 5.39 \\ & 2.88 \end{aligned}$ |
| 33 H 8016* | A8095 $\dagger$ | $\begin{gathered} 5 / 2.5 / 1.25 / \\ .62 / .315 \end{gathered}$ | 4/8 | 16 | 2 | 1/2 | 3.19 | 2.88 |
| 33 <br> 33 <br> 33 |  | $8 / 4 / 2 / 1 / 0.55$ $16 / 8 / 4 / 2 / 1 / 0$ | $\begin{aligned} & 4 / 8 / 16 \\ & 4 / 8 / 16 \end{aligned}$ | 5 | 23 | 11/2 | $\begin{aligned} & 4.67 \\ & 5.75 \end{aligned}$ | $\begin{aligned} & 4.21 \\ & 5.17 \end{aligned}$ |

LAFAYETTE 70.7 VOLT LINE-TO VOICE COIL TRANSFORMER

- 10 watts max.
- 5-8.16 ohms


70 volt line-to-voice coll matching transformer. Primary tapped $10,5,2.5,1.25$ and .625 watts. Secondary tapped 5, 8 and 16 ohms. Size: $2 \times 11 / 2^{\prime \prime}$. Mtg. Centers $23^{\prime \prime}$. Shog. wt. 1 lb .
99 H 6284
1.49

STANCOR OEFLECTION YOKES
All are ferrite cores, cosine wound, type DY. All for $70^{\circ}$ tubes except $\uparrow$ are $90^{\circ}, \ddagger$ are $110^{\circ}$, " are $114^{\circ}$. Shpg. wt., $11 / 2$ lbs.



"STACO" INC. "ADJUST-A-VOLT" VARIABLE TRANSFORMERS

Consists of a single layer winding and high grade toroidalcoil. Sliding brush taps transformer to permit selection of output voltage. 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 cycle, 25 cycle operation reduces output power rating by $50 \%$.

|  |  |  |  |  |  | Outpu |  |  |  |  | $\text { Lots } 7$ | $13$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Steck No. | Mfg. No. | Fig. | Description | KVA | Volt. | Volts | Amps |  |  | Each |  |  |
|  |  |  | Portable fused w/switch | . 165 | 120 | 0.132 | 1.25 | $37 / 8 \times 31 / 8 \times 31 / 2$ | 3 | 17.00 |  | 14.45 |
| $\begin{aligned} & 33 \text { H } 7001 \\ & 33 \text { H } 7002 \end{aligned}$ | $\begin{aligned} & \text { PA-1 } \\ & 1008 U \end{aligned}$ | A | Panel type for panels to $1 / 4^{\prime \prime}$ thick | . 165 | 120 | 0-132/0-120 | 1.25 | $23_{2} \times 2{ }^{1} 3_{2}$ | 3 | 9.00 |  | 7.65 |
| 33 H 7003 | PA-375 * | A | Portable fused w/swifch; pllot light | . 53 | 120 | 0-140 | 3.0 | 61/2x61/6x61/2 | 7 | 20.75 |  | 17.65 |
| 33 H 7004 | 3008U | C | Panel type for panels to $1 / 2^{\prime \prime}$ thick | 42 | 120 | 0-140/0-120 | 3.0 | 311/8x31\%6 | 11 | 14.50 |  |  |
| 33 H 7005 | 5008 * | D | Enclosed; fused w/switch \& pilot lig | 1.05 | 120 | - | 7.5 |  | 10 | 18.75 |  |  |
| 33 H 7006 | 5008 U | E | Panel type for panels to $1 / 2^{\prime \prime}$ " thicix | 1.05 | 120 | - | 7.5 |  | 3 | 9.25 |  |  |
| 33 H 7013 | 1758 U | 8 | Panel type for paneis to $1 / 4^{\prime \prime}$ thick | 23 | 120 | - | 3.75 | 1/4x31/4 | 5 | 14.75 | 12.55 |  |
| 33 H 7014 | 3758 U | E | Panel type for panels to $1 / 2^{\prime \prime}$ thick | . 53 | 20 | 0-140/0-120 | 15.0 | 61/8x65/8x43/8 | 18 | 36.50 | 31.05 |  |
| 33 H 7010 | T1500U |  | Panel type for panels to $1 / 2^{\prime \prime}$ thick | 2.1 | 20 | 0-140/0-120 | 15.0 3.0 | $5110 \times 5$ | 10 | 30.56 |  |  |
| 33 H 7007 | 5208* | D | Enclosed, fused with switch, pilot light | 7 | 24 | 0.280 0.280 | 9.5 | 61\% $\times 6 \% \times 43 / 6$ | 23 | 36.50 | 31.65 |  |
| 33 H 7008 | T1520U | G | Panel type for panels to $1 / 2^{\prime \prime}$ thick | 2.78 | 120 | 0-140 | 9.5 | 63/6x8\% $\times 8$ | 14 | 74.25 | 63.10 |  |
| 33 H 7011 | IVI-2M | F | Isolated. w/switch, volmeter, use | . 56 | 120 | 0.140 | 4 | $71 / 2 \times 91 / 2 \times 81 / 4$ | 20 | 85.00 | 72.25 |  |
| 33 H 7012 | IVI-4M | F | Isolated. w/switch. voltmeter \& breaker | . 70 | 120 | $0.140 / 0.120$ | 5.0 | $31 / 4 \times 33 / 4 \times 3 \%$ 。 | 5 | 15.00 | 12.75 |  |
| 33 H 7015 33 H 7016 | 451 1000 |  | Panel type for panels to $1 / 2^{\prime \prime}$ thick Panel type for panels to $1 / 2^{\prime \prime}$ thick | 1.4 | 120 | 0-140/0-120 | 10.0 | $5 k_{4} \times 5 \times 4 \%_{1}$ | 11 | 19.25 | 16.35 |  |
| 33 H 7016 | 1000 | E |  | 1.26 | 120 | $0-140$ $0-120$ | 9.0 | $94 / 4 \times 101 / 4 \times 11$ | 32 | 104.25 | 88.60 |  |



TYPE W2. 2 models-up to 3.1 amps. output at 120 V. Rated 120 Volt input; Overvalt Output $0-140$ Volis.


TYPE W8. 2 models - up to 13 amps, $t=3$ wire, 4 for 120 v. 60 cycle only no over voltage connections supplied. Output at 120 v. $\ddagger$ has over voltage connection and corresponding dial scale. Input Volts: 120 Volts; Overvolt Output: $0-120$ Volts except $4=0.140$ volts.

| Stock No. | Type | Fig. | Rated Amp. | max. Amp. | Shpg. Wt. Lbs. | 1.9 | $\begin{aligned} & \text { Net Each } \\ & 10-19 \end{aligned}$ | 20-99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 2326 | W8t† | 1 | 8.5 | 11. | 15 | 21.00 | 19.95 | 18.90 |
| 30 H 2327 | W8L ${ }^{\text {W }}$ |  | 10.0 | 13. | 15 | 21.00 | 19.95 | 18.90 |
| 30 H 2328 | VB. 3 Rep | men | $t$ brus | for | above |  | et Each | 1.00 |

TYPE W20. 6 models - up to 26 amps. output at 120 v . or 10.4 amps. at $240 \mathrm{~V} . \ddagger$ has over voltage connections and corresponding dial scale. $=3$ wire input Volts $=120$ Volts except $4=120$ \& 240 volts; $=240$ Volts only. Overvolt Output $=0.280$ Volts except $t=0.140$ volts.

| Stock No. | Type | Fig. | Rated Amp. | shpg Max. Wt. Amp. Lbs. |  | Net Each |  | 20.99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 2329 X | W20¢ | 1 | 20 | 26 | 27 |  |  |  |
| 30 N 2330 X | W20M $\dagger$ | 2 | 20 | 26 | 27 | 65.00 | 61.75 | 58.50 |
| 30 N 2331WX | W20MT3 ${ }^{\text {¢ }}+$ | 3 | 20 | 20 | 38 | 98.00 | 93.10 | 88.20 |
| 30 N 2332X | W2OHA | 1 | 8 | 10.4 | 27 | 52.00 | 49.40 | 46.80 |
| 30 H 2333 WX | W20HMA | 2 | 8 | 10.4 | 31 | 67.00 | 63.65 | 60.30 |
| 30 H 2334 WX | W20HMT3* + | S | a | 8 | 35 | 100.00 | 95.00 | 90.00 |
| 30 H 2335 VBT | T-8 Repl. brus | es f | or abo | ve exc |  | "H" ty | pe Net | 3.00 |
| 30 H 2336 VBT | T-12 Repl. br | hes | for "h | " typ | e on |  | . Net | 3.25 |

SPECIFICATIONS GENERAL RADIO VARIACQ AOJUSTABLE banked winding for space economy, unit brush for ease of replacement, wiring diagram and voltage data on terminal plates, precision machine winding on toroidal winding machines and long life essen. tlally the same as fixed-ratio power transformers. Other features are good regula. tion, smooth control, high efficlency, linear output volfage (up to $117 \%$ of line voltage) direct-reading, reversible dials calibrated for $320^{\circ}$ clockwise rota. tion, rugged construction-no dellcate parts. Basic types listed below provide a logical series of ratings up to 50 amperes at $50-60$ cycles. Uncased models for be-hind-panel mounting, cased models for front-panel, wall or bench mounting; port. able models have line cord, plug, on-off switch, resettable overload protector, outlet socket and handle.
(U.S. Patent No. 2,949,592) Frequency: Specs for 'W' models are 50.60 cycle. Units can be operated at rated current and valtage from $50-400$ cycles. On 25 cycles, 230 volt units can be used at half their 60 cycle voltage and kva ratings. Rated Current: Can be drawn from the VARIAC at any dial setting. Max. imum Current: Can be drawn at maximum voltage when line. voltage connection is used. Line Voltage Conneclion: Output voltage variable from 0 to line voltage. Overvoltage Connection: Output voltage variable from $17 \%$ above line voltare.

TYPE W5. 10 models-up to 11 amps. output at 120 v. or 2.6 amps. at 240 V . Types with for 120 v . 60 cycle only $0-120 \mathrm{v}$. output. no over voltage. $\#=2$ wire; $t=3$ wire; $\ddagger$ has overvoltage connections and corresponding dial scale; Input Volts: All 120 Volts except $4=240$ Volts in addition; $\S=240$ volls only. Overvolt Output: All are 0.140 Volts except $=0.120$ Volts; $=0.280$ Volts.

| Stock No. | Type | Fig. | Rated Amp. | Max. Amp. | Shpg. Wt. Lbs. | 1.9 | $\begin{gathered} \text { Net Each } \\ 10-19 \end{gathered}$ | 20.99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 2304 | W5 | 1 | 6.0 | 7.8 | 12 | 18.00 | 17.10 | 16.20 |
| 30 H 2305 | W5M | 2 | 5.0 | 6.5 | 13 | 18.00 | 24.70 | 23.40 |
| 30 N 2306 | W5MT* | , | 5.0 | 5.0 | 15 | 31.50 | 29.93 | 28.35 |
| 30 N 2307 | W5MT3¢t | , | 5.0 | 5.0 | 15 | 33.00 | 31.35 | 29.70 |
| 30 N 2308 | W5L | 1 | 8.5 | 11.0 | 12 | 18.00 | 17.10 | 16.20 |
| 30 H 2309 | W5LM | 2 | 7.1 | 9.2 | 13 | 26.00 | 24.70 | 23.40 |
| 30 N 2310 | WSLMT3T | 3 | 7.1 | 9.2 | 15 | 33.00 | 31.35 | 29.70 |
| 30 H 2311 | W5HA | 1 | 2.0 | 2.6 | 10 | 21.50 | 20.43 | 19.35 |
| 30 H 2312 | W5HMA | 2 | 1.0 2.0 | 2.6 | 13 | 29.50 | 8.0 |  |
| 30 H 2313 | WSHMT*tE |  | 1.0 2.0 |  | except 15 | $\begin{aligned} & 35.00 \\ & " H^{\circ 0} \end{aligned}$ | 33.25 | 31.50 |
| 30 H 2314 | V8-2 Repl. brushes for above |  |  |  |  |  |  |  |
| 30 H 2303 |  |  |  |  | type on | 号y .... | Net | 1.00 |

TYPE W10. 8 models - up 1013 amps. output at 120 v. or 5.2 amps. at 230 v . $\ddagger$ has over voltage connection and corresponding dial scale, $=2$ Wire; $t=3$ Wire; Input Volts: all are 120 Vorts except $A=240$ Volts in addition; $=240$ Volts only. Overvolt Output: all are 0.280 Volts except $\S=0.140$ Volts.

| Stock No. | Type | Fle. | Rated Amp. | Ma Amp | Shpg. Wt. LDs. | 1.9 | $\begin{aligned} & \text { Net Each } \\ & 10-19 \end{aligned}$ | 20.99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 2316 | W10§ | 1 | 10 | 13 | 18 | 33.00 | 31.35 | 29.70 |
| 30 H 2317 | W10M\# $\ddagger ¢$ | 2 | 10 | 13 | 21 | 46.00 | 44.70 | 48.40 |
| 30 H 2318 | W10MTt¢§ | 3 | 10 | 10 | 24 | 56.00 | 53.20 | 50.40 |
| 30 H 2319 | W10MT3t+§ | 3 | 10 | 10 | 24 | 57.50 | 54.63 | 51.75 |
| 30 H 2320 | W10H4 |  | 4 | 5.2 | 18 | 35.00 | 33.25 | 31.50 |
| 30 H 2321 | W1OHM* +4 | 3 | , | 5.2 | 21 | 48.00 | 45.40 | 43.20 |
| 30 M 2322 | W1OHMTY \# | 3 | 4 | 4 | 24 | 58.00 |  |  |
| 30 N 2323 | W10HMT3 ¢ | 3 |  | 4 | 24 | 60.00 | 57.00 | 54.00 |
| 30 N 2324 | VBT-10 Repl. brushes for |  |  | above exce |  | pt "H" | type Ne | 1.75 |
| 30 H 2325 | VBT-11 Repl. | brush | es for | " H " | type | only | Net | 1.75 |



## ATTENTION INDUSTRIAL ACCOUNTS:

## WE STOCK THE COMPLETE LINE OF GENERAL RADIO VARIACS

The above listing is only a partial representation of our inventory which includes metered types, single phase and 3 -phase ganged assemblies, 240 volt ganged assemblies and 400 cycle 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.

# (19⿵) UTC Industrial and Hi Fidelity Transformers 

## UTC "DIT" AND "DOT" <br> TRANSISTOR TRANSFORMERS

Metal cased, hermetically sealed to MIL-T-27A grade 4 specs All have 100 MW level except " $=500 \mathrm{MW}$; $\ddagger=$ inductor. "DIT" SIZE: Ko" Dlam. x $1 / 4$ L. Wt. . 05 Oz. "DOT" SIZE: Kı" Diam. $x$ 1/82" L. Wt. $1 / 1002$. Shpg. wt., 102 .


## DI-T200 TRANSISTOR TRANSFORMER

Same as the DIT and DOT series except lead material used is 1' long . 017 Dumet wire, gold plated and leads spaced on $1^{\prime \prime}$ radius and conform to the "TO-S" cased semiconductors and micrologic elements. All rated at 500 mw level except $\dagger$ is 100 mw level. Meets MIL.T-27A Specs. Slize, Ko" Dia. $x \quad 3 /{ }^{\prime \prime \prime}$. Shpg. wt., 102 .

| Stock No. | No. | Pri. Imp. | May Be Assorted sec. Imp. | $\begin{gathered} \text { Net Each } \\ 1.2425 .99100 \text {. } \end{gathered}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30187079 | T235 | 400CT/500CT | 40 split/50 split | 8.40 | 7.14 | 6.72 |
| 30 H 7080 | T240 | $400 \mathrm{CT} / 500 \mathrm{CT}$ | 400 split / 500 split | 8.40 | 7.14 | 6.72 |
| 30 H 7081 | T245 | $500 \mathrm{CT} / 600 \mathrm{CT}$ | $50 \mathrm{CT} / 60 \mathrm{CT}$ | 6.90 | 5.87 | 5.52 |
| 30 H 7083 | T255 | $1 \mathrm{KCT} / 1.2 \mathrm{KCT}$ | $50 \mathrm{CT} / 60 \mathrm{CT}$ |  | 5.87 | 5.52 |
| 30 H 7084 | T260 | 1.5 KCT | 600 CT | 7.20 | 6.12 | 5.76 |
| 30 H 7088 | T276 ${ }^{\text {t }}$ | 10KCT/12KCT | $2 \mathrm{KCT} / 2.4 \mathrm{KCT}$ | 7.80 | 6.63 | 6.24 |
| 30 H 7090 | T283 $\dagger$ | 10KCT/12KCT | $10 \mathrm{KCT} / 12 \mathrm{KCT}$ | 8.40 | 7.14 | 6.72 |
| 30 H 7092 | T204* | Split inductor | 1 Hy @ 4 maDC | 6.00 | 5.10 | 4.80 |

## WIDE APPLICATION PULSE TRANSFORMERS

 Highly reliable wound core pulse transformer. Hermetically seaied by vacuum molding, usable from $-70^{\circ} \mathrm{C}$ to $+130^{\circ} \mathrm{C}$. Width microsec indi cates both blocking oscillator and coupling characteristics. Meets MIL-T-21038B. All have ratio 1:1:1. Size: $\mathrm{H}-49$ thru $\mathrm{M}-51=$ Koxtri" H. 54 and $H .57=54 \times 5 / 9^{\prime \prime}$. Av. Shpg. Wt., 202| Stock No. | Mfr. No. | Pri. Sec. Ohms |  | Imp. In, |  |  | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Terty Ohms | Out, ohms | width asec. | 1.24 | 25-99 | $\begin{aligned} & 100- \\ & \text { Up } \end{aligned}$ |
| 30 H 7101 | H-49 | 8 | 8.5 | 9 | 500 | 1 | 6.60 | 5.61 | 5.28 |
| 30 H 7102 | H. 50 | 20 | 21 | 22 | 500 | 2 | 6.60 | 5.61 | 5.28 |
| 30 H 7103 | H-51 | 28 | 31 | 33 | 500 | 3 | 6.60 | 5.61 | 5.28 |
| 30 H 7106 | H. 54 | 50 | 58 | 67 | 1000 | 10 | 6.90 | 5.87 | 5.52 |
| 30 H 7109 | H.57 | 104 | 135 | 165 | 1000 | 25 | 6.90 | 5.87 | 5.52 |



FILAMENT/TRANSISTOR TRANSFORMER
All have primary $115 \mathrm{~V} 50 / 60$ cycles - Test volts RMS 1500, and center tapped secondary. Taps on Pri of FT.13. to modify Sec. Nominal $v$ to $\pm 6 \%$ and $+12 \%$.

| Stock No. | $\begin{aligned} & \text { FT.Se } \\ & \text { No. } \end{aligned}$ | endary | Amp. | Wt. Lhs. | $\begin{gathered} 1-24 \\ E 2 . \end{gathered}$ | $\begin{gathered} 25-99 \\ \text { Ea. } \end{gathered}$ | $\begin{aligned} & 1004 \\ & \text { Es. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 7118 | 1 | 2.5 | 3 | 3/4 | 4.50 | 3.83 | 3.60 |
| 30 H 7119 | 2 | 6.3 | 1.2 | $3 / 4$ | 4.50 | 3.83 | 3.60 |
| 30 H 7126 | 10 | $24 *$ | 2 | 21/2 | 6.90 | 5.87 | 5.52 |
| 30 H 7127 |  | 24) | (1) | $11 / 2$ | 6.00 | 5.10 | 4.80 |
| 30 H 7128 | 12 | $\binom{36}{18}$ | $\left.\begin{array}{l} (1.3 \\ 2.6 \end{array}\right)$ | 21/2 | 6.90 | 5.87 | 5.52 |
| 30 H 7129 | 13 | 26 | ( .04 | $11 / 4$ | 5.70 | 4.85 | 4.56 |
| 30 H 7130 | 14 | 26 | . 25 | $7 / 4$ | 5.70 | 4.85 | 4.56 |

UTC OUNCER AUDIO UNITS
Weight only 102 . Fully impregnated and sealed. \% DIAM. $\times 13_{6}{ }^{\prime \prime} \mathrm{H} . \mathrm{S}=$ split winding. Shpg. wt., $40 z$. OUTPUT, INPUT AND MIXING OUNCERS
Freq. response $30-20,0 C 0$ CPS $\pm 1 \mathrm{DB}$ except is $50-$ 5000 Max. level dbm +8 except $\Delta$ is +15 and $\dagger$ is 6.3 MW.

Net Each

| STOCK NO. | $\begin{aligned} & \text { UTC } \\ & \text { TYPE } \end{aligned}$ | PRIMARY IMP | $\begin{aligned} & \text { SEC } \\ & \text { IMP } \end{aligned}$ | 1-24 | $25.99 \mathrm{UP}^{100}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 1154 | $0.8 \dagger$ | 15,000 | $\begin{gathered} 50 / 200 / 250 / \\ 500 / 600 \end{gathered}$ | 7.60 | 6.636 .24 |
| 30 H 7131 | $0 \cdot 1$ | 50/200/2:0/ | 50.000 | 7.80 | 6.636 .24 |
| 30 H 7132 | 0.2 | 50n/600 | 50,000 ${ }^{\text {c/ }}$ | 7.80 | 6.636 .24 |
| 30 H 7133 | 0.3 | 7.5/30 | 50,000 | 7.50 | 6.386 .00 |
| 30 H 7134 | $0 \cdot 11$ | 50.000 | 50/200/250/ | 7.80 | 6.636 .24 |
| 30 H 7135 | 0.12 | 50/200/250 | 500/600 | 7.80 | $6.63 \quad 6.24$ |
| 30 H 7136 | 0.14* | 200 | 1/2 Menohm | 7.50 | 6.386 .00 |
| 30 H 7138 | 0.25 A | $600 / 150 \mathrm{~S}$ | 2000/500 \$ | 8.10 | 6.896 .48 |

## UTC SUB-OUNCERS

Size Kox $5 / 4 \times 7 / \mathrm{m}^{\prime \prime}$. Weigh 1/3 02 . Max. level $S 0.1+10$ dbm, SO. 2100 MW , SO-3 thru SO-8 200 MW , others
250 MW. S=split winding. Shpg, wt., 2 oz.
Net Each


UTC SUB-SUB OUNCERS
All double sealed (water.proof), weigh is oz. Size K. $\times 3 / 4 \times 5 / 8$ ". Max. level 100 MW except * is 5 mw and $\triangle$ is 30 MW . Primary MADC is UNBALANCED. Shpg. wt., 20 oz.

Net Each

| STOCK SSO <br> NO. NO. | PRIMARY IMP | SEC IMP | 1.24 | 25-99 | $\begin{gathered} 100 \\ \text { UP } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $30 \mathrm{H} 7201{ }^{\text {c }}$ | $200 / 30$ | 2010/60.5K | 4.50 | 3.83 | 3.60 |
| 30 H 7202 24 | 10 K | м0k | 4.80 | 4.08 | 3.84 |
| 30 H 72033 | 10K/25K | -me/:00 | 4.20 | 3.57 | 3.36 |
| 30 H 72078 | 10 K | $2000{ }^{1}$ | 3.90 | 3.32 | 3.12 |
| 30 H 720910 | 10k | 3.2 | 3.00 | 2.55 | 2.40 |
| 30 H 721415 | 20K1T/30KIT | *00 $T / 1: 200 C T$ | 4.20 | 3.57 | 3.36 |
| 30 H 7218.19 | 5006 ${ }^{\text {T }}$ | 600CT | 3.30 | 2.81 | 2.64 |
| 30 H 721920 | 1.月К('T | fivot ${ }^{\text {ct }}$ | 3.30 | 2.81 | 2.64 |
| 30 H 7227 CH | sfounting channe | for ahore | . 30 | 26 | . 24 |

UTC ULTRA COMPACT AUDIO UNITS
The UTC Uitra compact audio units are high fidelity units. small and light in weight, ideally sulted to remote amplifier and similar compact equipment. Case size $11 / 2 L \times 14 / 2 W \times z^{\prime} H . \quad S=$ split winding. Shpg. wt., $7 / 4 \mathrm{lbs}$.

## NPUT TRANSFORMERS

All are $\pm 208$ from $20-20.000$ eps except A .20 is $10-50.000$ eps and A- 21 is $30 \cdot 30,000 \mathrm{cps}$. Max. level +15 dbm on all except A-11 is +5 dbm . "Indicates muttiple alloy shield. 1 indicates high electro. static shielding. Secondary Imoedance: $A=50,000 \mathrm{Ohm} \mathrm{S}_{\mathrm{i}} \ddagger=80,000$ Ohm $\mathrm{S}_{;}$\# $=50,125 / 150,200 / 250,333,500 / 600 ; \$=50,000 \mathrm{cT} ; \quad=$ 5),250/500.500/600.

| stock No. | Type No. | Primary Imp. | $\begin{gathered} 1-24 \\ \text { Ea. } \end{gathered}$ | $\begin{gathered} 25.99 \\ \text { Ea. } \end{gathered}$ | $\begin{gathered} \text { 100-UP } \\ \mathrm{Ea} \text {. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 7179 | A. 104 | (50, 125/150. | 15.00 | 12.75 | 12.00 |
| 30 H 1180 | A.12 $\ddagger$ | 200/250.333 | 13.50 | 11.48 | 10.80 |
| 30 H 7181 | A-20†\% | 500/600 | 14.40 | 12.24 | 11.52 |
| 30 H 7182 |  | 50. 200, 800 | 12.00 | 10.20 | 9.60 |
| 30 H 7183 | A-21* 6 | 50, 200/2.50, 500/600 | 12.00 | 10.20 | 9.60 |
| INTERSTAGE/OUTPUT TRANSFORMERS All $+2 \mathrm{db} 40 \cdot 20,000 \mathrm{cps}$ except * is $20 \cdot 40,000 \mathrm{cps}$ Max Level is 1 Watt except + which is 30 MW . |  |  |  |  |  |
|  |  |  |  |  |  |
| Stock No. | Type No. | Primary secondary Imp. Imp. | $\begin{aligned} & \text { 1-24 } \\ & \text { Ea. } \end{aligned}$ | $\begin{gathered} 25 \cdot 99 \\ \text { Ea. } \end{gathered}$ | $\begin{gathered} 100-\text { Up } \\ \text { Ea. } \end{gathered}$ |
| 30 H 7189 | A. 22 | 500 CT 500/125 8 | 9.90 | 8.42 | 7.92 |
| 30 H 7191 | A-24* | 13.000) F ( 50, 125/150 | 14.70 | 12.50 | 11.76 |
| 30 H 7192 | A.25 ${ }^{\text {¢ }}$ | 15,000 200 250,333 | 12.00 | 10.20 | 9.60 |
| 30 H 7199 | A. 33 | Iliperimalioy shield | 3.00 | 2.55 | 2.40 |

# Mallory Controls 

## EXPLANATION OF MALLORY 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＂S／0＂dia，with $23 / 6$＂long $x ~ 1 / 4$＂dia．round shafts． Shaft can be easily cut to any required length．Supplied with two shafts and knob adaptors for knurled and push－on－knobs，one Palnut and instruction sheet．Shpg．wt．， 3 oz.

| Stock No． | Mig． No． | Ohms | Tpr． | Stock No． | Mis． No． | Ohmes | Tpr |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1110 | U－1 | 100 | 4 | 33 H 1137 | U－36 | 75K |  |
| 33 H 1111 | U． 2 | 500 | 4 | 33 H 1138 | U－39 | 100k |  |
| 33 H 1151 | U－52R | 500 | 2 | 33 H 1139 | U． 40 | 100K |  |
| 33 H 1112 | U．751R | 750 | 2 | 33 H 1140 | U－41 | 100K |  |
| 33 H 1113 | U．3 | 1 k | 2 | 33 H 1141 | U． 415 | 125K | 4 |
| 33 H 1114 | U－4 | 1K | 4 |  |  |  |  |
| 33 H 1115 | U．5 | 1500 | 2 | 33 H 1142 | U－42 | 150K |  |
| 33 H 1116 | U－5L | 1500 | 4 | 33 H 1143 | U－43 | 200K |  |
| 33 H 1117 | U－6 | 2K | 4 | 33 H 1144 | U－44 | 250K |  |
| 33 H 1118 | U－7 | 2500 | 2 | 33 H 1145 | U－45 | 250k | 2 |
| 33 H 1119 | U－8 | 3K | 4 | 33 H 1146 | U－46 | 250K | 4 |
| 33 H 1120 | U．9 | 3K | 2 | 33 H 1147 | U－48 | 500K |  |
| 33 H 1121 | U－12 | 5K | 1 | 33 H 1148 | U－50 | 500 K | 4 |
| 33 H 1122 | U－14 | 5K | 4 | 33 H 1149 | U－51 | 750K | 1 |
| 33 H 1123 | U－18 | 10K | 1 | 33 H 1150 | U－52 | 1 Meg ． | 2 |
| 33 H 1124 | U． 19 | 10k | 2 |  |  |  |  |
| 33 H 1125 | U． 20 | 10K | 4 | 33 H 1152 | U－53 | 1 Meg． | 1 |
| 33 H 1126 | U－21 | 15K | 1 | 33 H 1153 | U． 54 | 1 Meg． | 4 |
| 33 H 1127 | U－22 | 15K | 2 | 33 H 1154 | U－155 | 1.5 Meg － | 4 |
| 33 H 1128 | U－24 | 20K | 1 | 33 H 1155 | U－55 | 2 Meg ． | 1 |
| 33 H 1129 | U－26 | 20K | ， | 33 H 1156 | U－56 | 2 Meg ． | 4 |
| 33 H 1130 | U－28 | 25K | 2 | 33 H 1157 | U． 255 | 2．5 Meg． |  |
| 33 H 1131 | U－28A | 25k | 1 | 33 H 1158 | U． 57 | 3 Meg ． | 1 |
| 33 H 1132 | U－29 | 25K | 4 | 33 H 1159 | U－59 | 3 Meg ． | 4 |
| 33 H 1133 | U－30 | 30K | 4 | 33 H 1160 | U－63 | 5 Meg ． | 2 |
| 33 H 1134 | U－33 | 50k | 1 | 33 H 1161 | U－65 | 5 Meg． | 1 |
| 33 H 1135 | U－34 | 50K | 2 | 33 H 1162 | U－67 |  | 4 |
| 33 H 1136 | U－35 | 50K | 4 | 33 H 1163 | U－82 | 10 Meg ． | 4 |

Any of above
QUANTITY PRICES－NO ASSORTMENT
Lots 25，ea． 92

## ATTACHABLE MDGETROL SWITCHES

Midgetrol types U，UT and UDT－with dummy ter． minal + with builtin switch／circuit breaker，breaks at 2.5 amps，resets by tuming 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． | Mf：No． | Description | $1-24$ | $25-49$ | 50.99 | 100.174 |
| :--- | :--- | :--- | :--- | :---: | :---: | :---: |
| 33 H 1189 | US－26 | S．P．S．T． | .42 | .38 | .35 | .32 |
| 33 H 1480 | USB－29 | S．P．S．T．t | .98 | - | - | - |
| 33 H 1190 | US．26T | S．P．S．T． | .51 | .46 | .43 | .38 |
| 33 H 1191 | US．27 | D．P．S．T． | .51 | .46 | .43 | .38 |
| 33 H 1192 | US－28 | S．P．D．T． | .51 | .46 | .43 | .38 |

## TYPE PP PUSH－PULL CONTROLS

Carbon element controls with a Push－Pull type SPST switch permanently attached． Switch rated $6 \mathrm{amps} / 125 \mathrm{~V}$ ．UL listed．Rated

| Stock No． | Mfg．Ne． | Ohms | Taper |
| :---: | :---: | :---: | :---: |
| 33 H 1280 ， | PP． 13 R | 1K | 1 |
| 33 H 1281 | PP－15A | 100 K | 1 |
| 33 H 1282 | PP－25L | 200 K | 4 |
| 33 H 1283 | PP－254A | 250 K | 1 |
| 33 H 1284 | PP－55A | 500k | 1 |
| 33 H 1285 | PP．55L | 50 KK | 4 |
| 33 H 1286 | PP－16A | 1 Meg ． | 1 |
| 33 H 1287 | PP－16L | 1 Meg ． | 4 |
| 33 H 1288 | PP－155L | 1．5 Meg． | 4 |
| 33 H 1289 | PP．26A | 2 Meg ． | 1 |
| 33 H 1290 | PP－56L | 5 Meg ． | 4 | Any of above

QUANTITY PR
Lots 25，ea． 1.22
Lots 100，ea． 1.01

1 watt linear or $1 / 2$ watt audio．Size $13 / 10^{\circ}$ dia．with $2^{\prime \prime}$ long $\times 1 / 44^{\prime \prime}$ dia．round．Shpg． wt．． 402.

## TAPPE 0 TYPES

| Stock No． | Ohme | Tapped＠ | Taper |
| :---: | :---: | :---: | :---: |
| 33 H 1291 | 250K | 100K－150K | 4 |
| 33 H 1292 | 500k | 200K | 4 |
| 33 H 1293 | 500 K | 78K－168K | 4 |
| 33 H 1294 | 500K | 250k | 1 |
| 33 H 1295 | 1 Mer． | 500K | 2 |
| 33 H 1296 | 1 Mer． | 100K | 1 |
| 33 H 1297 | 1 Mer． | 200k | 2 |
| 33 H 1298 | 1 Meg ． | 250K．500K | 4 |
| 33 H 1299 | 2 Meg． | 500K－1 Meg． | 1 |
| 33 H 1301 | 2 Meg． | 1 Meg ． | 4 |
| 33 H 1302 | 3 Meg ． | 1 Meg .2 Meg ． | 4 |
| 33 H 1303 | 4 Mer ． | 2 Meq ． | 4 |


| SIngly Ea． 1.59 |
| :--- |
| AUANTITY PRICES－NO ASSORTMENT |
| Lots 25．ea． 1.43 |
| Lots 100 ea．ea． 1.19 Lots 50 ，ea． 1.33 |

SINGLE TAPPED MIDGETROLS

| Stock No． | Mrg. | Ohms | Tap | Stack No． | $\mathrm{Mrg} .$ | Otme | Tap |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1164 | UT－153 | 15K | 10k | 33 H 1174 | UT－438 | 1 Meg． | 300k |
| 33 H 1165 | UT－415 | 30k | 25K | 33 H 1175 | UT－443 | 1 meg ． | 450 K |
| 33 H 1166 | UT－420 | 250k | 50k | 33 H 1176 | UT－450 | 2 Meg ． | 125k |
| 33 H 1167 | UT－421 | 250k | 150k | 33 H 1177 | UT－448 | 2 Meg． | 250k |
| 33 H 1168 | UT－425 | 350k | 70K | 33 H 1178 | UT－454 | 2 Meg ． | 400 K |
| 33 H 1169 | UT． 429 | 500k | 50 K | 33 H 1179 | UT－449 |  |  |
| 33 H 1170 | UT－427 | 590k | 100k | 33 H 1180 | UT－451 | 2 Meg． | 900 K |
| 33 H 1171 | UT－430 | 500k | 150k | 33 H 1181 | UT－457 | 3 Meg ． | 900 K |
| 33 H 1172 | UT． 431 | 500k | 225 K | 33 H 1182 | UT－461 | 3.25 M， | 300 k |
| 33 H 1173 | UT－440 | 1 Meg． | 200k |  |  |  |  |

Any of above
Singly ea．Net 1.26
QUANTITY PRICES－NO ASSORTMENT
Lots 25，ea． 1.13
Lots 50，ea， 1.05 Lots 175，ea． .90

## DOUBLE TAPPED MIDGETROLS

| Stock No． | Me． He． | Overall Resistances | Tap ResistancesTap 1 Tap 2 |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 1183 | UDT－283 | 500 K | 100K | 200K |
| 33 H 1184 | UDT－289 | 1 Meg ． | 250K | 500K |
| 33 H 1185 | UDT－291 | 1.5 Mer． | 225K | 500k |
| 33 H 1186 | UDT－295 | 2．25 Meg． | 250 K | 500 K |
| 33 H 1187 | UDT－296 | 2.25 Meg． | 500 K | 1 Meg ． |
| 33 H 1188 | UDT－303 | 3.3 Meg． | 300 K | 1．5 Meg． |
| Any of above QUANTITY PRICES－NO ASSORTMENT Lots 25 ea 1.13 |  |  |  |  |
|  |  |  |  |  |
| Lots 100，ea |  |  |  | ea． 1.05 |

## SU INSULATED SHAFT MIDGETROLS FOR TV



1\％0＂dia．carbon controls with $1 / 4^{\prime \prime}$ dia． fixed knurled and slotted phenolic shafts． Shaft protrudes $1 / 4^{\prime \prime \prime}$ beyond bushing．Linear taper．With hex nut．Shpg．wt．， 3 oz ．

| Stock Mo． | Mff．No． | 0hmes | Stech Ne． | Mif．Ne． | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1208 | SU－6 | 1500 | 33 H 1215 | SU． 46 | 250K |
| 33 H 1209 | SU． 8 | 3 K | 33 H 1216 | SU． 50 | $\begin{aligned} & 250 \mathrm{~K} \\ & 500 \mathrm{~K} \end{aligned}$ |
| 33 H 1210 | SU． 14 | 5 K | 33 H 1217 | SU． 54 | 1 Meq ． |
| 33 H 1211 | SU－20 | 10K | 33 H 1218 | SU． 56 | 2 Meg． |
| 33 H 1212 | SU－29 | 25K | 33 H 1219 | SU－565 | 2．5 Meg． |
| 33 H 1213 | SU． 35 | 50 K | 33 H 1220 | SU－59 | 3 Meq． |
| 33 H 1214 | SU－41 | 100K | 33 H 1221 | SU－67 | 5 Mer ． |
|  |  |  | 33 H 1222 | SU－69 | 7.5 Meg ． |

Any of the above
QUANTITY PRICES－NO ASSORTMENT
Singly ea．． 93
Lots 25．ea．． 84
Lots 50．ea．． 78
Lots 175，ea．． 66
4気に安

## EXTENSION SHAFTS

DS－36
DS－37
DS－36 Extension Shaft $2^{1} \%^{\prime \prime}$ long $x 1 / 4^{\prime \prime}$ dia．For tubular shaft Mid and $2 \cdot$ watt wire－wound controls．Shpg．wt．， 2 oz ． 33 H 1193 （DS．36）

Net .33
DS． 37 Ko＂diameter shaft．For use with round－shaft Midgetrols to $^{\text {I }}$ accommodate knobs requiring $\mathcal{K}_{0}$＂shaft．Shpg．wt． 2 oz． 33 H 1194 （0S．37）

Net .33
OUTDOOR THEATRE SPEAKER CONTROLS
8 watl audio potentiome－ ters．Size： $1 K^{\prime \prime}$ dia．with $3 / 4^{\prime \prime}$ long $1 / 4^{\prime \prime}$ dia，shaft． Shpg．wit．， 4025.

| Stock No． | Mig．No． | Ohms | Net |
| :--- | :--- | :--- | :--- | :--- |
| 33 H 1223 | TSA－10 | 4 －ohm－L Pad | 1.35 |
| 33 H 1224 | TSA－35 | 35 | 1.35 |
| 33 H 1225 | TSA－6 | 6 | 1.14 |

TV FOCUS CONTROLS
4 watt wire wound control， Ilinear taper．Size： 1 ＂$^{\prime \prime}$ dia． with $2^{21} \times 1 / 4^{\prime \prime}$ dia．shaft．Wt． 4 oz ．

| Stock No． | Mfg．No． | Ohms |
| :--- | :---: | :---: |
| 33 H 1304 | TVF 140 | 1500 |
| 33 H 1305 | TVF 143 | 2500 |
| Net Each |  |  |

# Mallory Controls 

## WIRE WOUND SENSITIVITY CONTROLS



MRF


MRP
MRCP
For AGC, hum-balancing. linearity. etc. $y / /^{\prime \prime}$ diam. For conversion from cross-slot adjustment to shaft, use shafts Ilsted below. ShDR. Wt., 40 Oz .

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.

| Stock No. | Mir. No. | Ohms | Steck Ne. | Mfr. No. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1600 | MR6F | 6 | 33 H 1609 | MR600F | 600 |
| 33 H 1601 | MR15F | 15 | 33 H 1610 | MR750F | 750 |
| 33 H 1602 | MR40F | 40 | 33 H 1611 | MRIOCOF | 1000 |
| 33 H 1603 | MR75F | 75 | 33 H 1612 | MR1500F | 1500 |
| 33 H 1604 | MRT00F | 100 | 33 H 1613 | MR2000F | 2000 |
| 33 H 1605 | MR150F | 150 | 33 H 1614 | MR2500F | 2500 |
| 33 H 1606 | MR200F | 200 | 33 H 1615 | MR 3000 F | 3000 |
| 33 H 1607 | MR250F | 250 | 33 H 1616 | MR4000F | 4000 |
| 33 H 1608 | MR500F | 500 | 33 H 1617 | MR5000F | 5000 |

MR-P 3.WATT PC MOUNT
Printed circuit board mounting with cross-slot adjustment, front and rear.

| Stock Na. | Mfr. Na. | Onme | Steck Ne. | Mfr. Me. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1618 | MR1.5P | 1.5 | 33 W 1624 | Mniodop | 1000 |
| 33 H 1619 | MR15P | 15 | 33 M 1825 | MR1500P | 1500 |
| 33 H 1620 | MR100P | 100 | 33 H 1628 | Mn3000P | 3000 |
| 33 H 1621 | MR175SP | -175 | 33 H 1627 |  | 4000 |
| 33 H 1622 | MR260SP | +260 | 33 H 1620 | WH5000P | 5000 |
| 33 H 1623 | MR600P | 600 |  |  |  |

- Stop at 60 ohms. IStop at 100 ohms.

Any of above
Net ea. . 66

Convergence controls with printed circuit board mounting and permanent knob.

| Stack No. | Mir. Ne. | Ohms | Stock No. | cmfr. Me. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1629 | MRCIOP | 10 | 33 H 1632 | Mnctoop | 100 |
| 33 H 1630 | MRCJOP | 30 | 33 H 1633 | mincizop | 120 |
| 33 H 1631 | MRC60P | 60 | 33 H 1634 | MRC150P | 150 |

## SHAFTS FOR MR CONTROLS

Mallory No. MRS $1250-1 / 4^{\prime \prime}$ dia. $x 13 / 4^{\prime \prime}$ FMS knurled and slotted nylon. Plugs into elther end of MR control.
33 H 1635
Net ea. . 12
Mallory No. MRS375-1/28" dia, knurled nylon knob/shaft with slot. Prolects $3 / 6^{\prime \prime}$ FMS. For MR.F. or MR.P.
33 H 1636
Net ea. . 12


VW SERIES SUBMINIATURE
5-WATT WIRE WOUNO
Wire wound control rated at 5 watts. Break down voltage 900VAC RMS. Linear taper $\pm 10 \%$ tof. Dim. $1 / 4{ }^{\circ \prime \prime}$ dla. $x / 8{ }^{\circ \prime}$ depth. $7 / 4^{\prime \prime}$ shaft dia. Bushing dia. $3 / \mathrm{h}^{\prime \prime}$ wlth $32 \times \neq{ }^{\prime \prime}$ thread. Shpg. wt., $11 / 2$ oz. No assortment for quantity prices.

| Slock No. | $\begin{array}{\|c\|} \hline \text { Net } \\ \text { Ohms } \end{array}$ | $\begin{gathered} \text { Each } \\ 1.9 \end{gathered}$ | $\begin{array}{r} 10 \\ 49 \\ \hline \end{array}$ | $\begin{array}{r} 50- \\ 0 \\ \hline \end{array}$ | Stock No. | $\begin{gathered} \text { Net } \\ \text { Ohms } \end{gathered}$ | Each | $\begin{gathered} 10- \\ 49 \end{gathered}$ | $\begin{gathered} 50 . \\ 99 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1326 | 1 | 1.38 | 1.24 | 1.15 | 33 H 1344 | 300 | 1.38 | 1.24 | 1.15 |
| 33 H 1327 | 2 | 1.38 | 1.24 | 1.15 | 33 H 1345 | 400 | 1.38 | 1.24 | 1.15 |
| 33 H 1320 | 3 | 1.38 | 1.24 | 1.15 | 33 H 1346 | 500 | 1.38 | 1.24 | 1.15 |
| 33 H 1329 | 5 | 1.38 | 1.24 | 1.15 | 33 H 1347 | 600 | 1.38 | 1.24 | 1.15 |
| 33 H 1330 | 6 | 1.38 | 1.24 | 1.15 | 33 H 1348 | 750 | 1.38 | 1.24 | 1.15 |
| 33 H 1331 | 8 | 1.38 | 1.24 | 1.15 | 33 H 1349 | 1K | 1.38 | 1.24 | 1.15 |
| 33 H 1332 | 10 | 1.38 | 1.24 | 1.15 | 33 H 1350 | 1500 | 1.44 | 1.30 | 1.20 |
| 33 H 1333 | 15 | 1.38 | 1.24 | 1.15 | 33 H 1351 | 2K | 1.44 | 1.30 | 1.20 |
| 33 H 1334 | 20 | 1.38 | 1.24 | 1.15 | 33 H 1352 | 2500 | 1.44 | 1.30 | 1.20 |
| 33 H 1335 | 25 | 1.38 | 1.24 | 1.15 | 33 H 1353 | 3 K | 1.44 | 1.30 | 1.20 |
| 33 H 1336 | 30 | 1.38 | 1.24 | 1.15 | 33 H 1354 | 4 K | 1.44 | 1.30 | 1.20 |
| 33 H 1337 | 40 | 1.38 | 1.24 | 1.15 | 33 H 1355 | 5 K | 1.44 | 1.30 | 1.20 |
| 33 H 1338 | 50 | 1.38 | 1.24 | 1.15 | 33 H 1356 | 7500 | 1.50 | 1.35 | 1.25 |
| 33 H 1339 | 60 | 1.38 | 1.24 | 1.15 | 33 H 1357 | 10K | 1.50 | 1.35 | 1.25 |
| 33 H 1340 | 75 | 1.38 | 1.24 | 1.15 | 33 H 1358 | 15K | 1.56 | 1.40 | 1.30 |
| 33 H 1341 | 100 | 1.38 | 1.24 | 1.15 | 33 H 1359 | 20K | 1.56 | 1.40 | 1.30 |
| 33 H 1342 | 200 | 1.38 | 1.24 | 1.15 | 33 H 1360 | 25K | 1.65 | 1.49 | 1.38 |
| 33 H 1343 | 250 | 1.38 | 1.24 | 1.15 | - |  |  |  |  |

MALLORY 3-WATT WIREWOUND TV \& INDUSTRIAL POTS
Dust-proof phenolic case $1 \% 2^{\prime \prime}$ diameter. Insulated contact arm type 900 V . AC Insulation. All have finear taper. Knurled screwdriver slotted stub shaft with $7 / \mathbf{y s}^{\prime \prime}$ standard bushing. With nut.



| CENTER TAPPED CONTROLS |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | NET EACH - NO ASSORTMENT |  |  |  |  | $\begin{aligned} & 100 . \\ & 249 \end{aligned}$ | $\begin{aligned} & 250 \\ & \text { \& up } \end{aligned}$ |
| Stock No. | Type | Ohms | 1.9 | 10-49 | 50.99 |  |  |
| 33 H 1320 | R10CT | 10 | 1.32 | 1.19 | 1.10 | . 98 | . 88 |
| 33 H 1321 | R20CT | 20 | 1.32 | 1.19 | 1.10 | . 99 | . 88 |
| 33 H 1322 | R30CT | 30 | 1.32 | 1.18 | 1.10 | . 98 | . 88 |
| 33 H 1323 | RSOCT | 50 | 1.32 | 1.19 | 1.10 | . 98 | . 88 |

SWITCHES FOR ABOVE

| Stock No. | MtE. | Type | 1.9 | 10.49 | 50.99 | 249 | 250 |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1324 | US30 | SPST | .42 | .38 | .35 | .32 | .28 |
| 33 H 1325 | US32 | DPST | .54 | .49 | .45 | .41 | .36 |

## CARBON TRANSISTOR CONTROLS

Linear taper (4) rated $1 / 4$ Watt: Audio taper (1) rated $1 / 2$ Watt Diam. $1 / 2^{\prime \prime}$ Universal $1 / /^{\prime \prime}$ steel shaft $1^{\prime \prime}$ long with $4 / 4^{\prime \prime}-32$ bushing and screw. drlver slot except " has 5 /a" long nylon shaft. Shpg. wt., $40 z$

| Stock Pe. | Wis. Ne. | Onins 1 |  | Stoch No. | Mff. No, | Ohms |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1258 | MLC13L | 1 N | 4 | 33 H 1265 | MLC15L | 100K | d |
| 33 H 1259 | MLC252A | 2500 | 1 | 33 H 1266 | MLC25L | 200K |  |
| 33 H 1260 | MLC53A | 5K | 1 | 33 H 1267 | MLC254L | 250K | 4 |
| 33 H 1261 | MLC53L | 5K | 4 | 33 H 1481 | MLC55A | 500k |  |
| 33 H 1262 | MLC14L | 10K | 4 | 33 H 1268 | MLCN55L | 500K | 4 |
| 33 H 1263 | MLC54L | 50K | 4 | 33 H 1269 | MLCN16A* | 1 Meg | 1 |
| 33 H 1264 | MLC15A | 100K | 1 | 33 H 1270 | MLCN16L* | 1 Meg | 4 |
| Singly Ea. 1.14 |  |  |  |  |  |  |  |

SWITCH TYPE TRANSISTOR CONTROLS
Same as above but with an S.P.S.T. Switch rated at 3 Amp. 125 VAC.

| Stock Me. | Mfg. No . | Ohms Tpr. |  | Sto:k Ne. | Mig. No. | Dhms Tpr. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1271 | MLC222L.S | 2200 | 4 | 33 H 1276 | MLC55A.S | 500K |
| 33 H 1272 | MLC252A-S | 2500 | 1 | 33 H 1277 | MLC55L.S | 500K |
| 33 H 1273 | MLC53A-S | 5K | 1 | 33 H 1278 | MLCIGA.S | 1 Meq |
| 33 H 1274 | MLC53L-S | 5K | 4 | 33 H 1279 | MLC16L.S | 1 Meg |
| 33 H 1275 | MLCI4A.S | 10K | 1 |  |  |  |



| Stock No. Mfy, Me. F |  | Fis. | Shpr. wt. 4 oz. Description | Net |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 1197 | EB | A | Extends control body ${ }^{\text {76" }}$ (rom surface | . 13 |
| 33 H 1198 | 178 | 0 | Wrench for $1 / 2 . K_{0}{ }^{\circ}$ V.C. hex nuts | 1 |
| 33 H 1199 | RS242 | E | Ext shaft $4 \times 3 / 4 y_{4}^{\prime \prime \prime}$ flat | . 57 |
| 33 H 1201 | RS243 | E | Ext shaft $4 \times 1 / 6$, 为茳 flat | 7 |
| 33 H 1202 | RS244 | E | Ext. shaft 4x\%w \% ${ }^{\prime \prime}$ " flat | 7 |
| 33 H 1203 | RS245 | E | Ext. shaft $2 \times 1 / 4$ with $\psi_{3}^{\prime \prime \prime}$ slot | . 81 |
| 33 H 1204 | EC240 | - | Couples $1 / 4^{\prime \prime}$ shaft to $1 / 4^{\prime \prime} K_{0 \prime \prime}$ shaft | 3 |
| 33 H 1205 | UB241 | C | Bushing for panel mounting | 12 |
| 33 H 1206 | RB249 | F | Mtg. Bkt. $21 / 2{ }^{\prime \prime \prime}$ Mtr. centers | 05 |
| 33 H 1207 | R8248 | F | Mtg. Bkt. 13/4" Mtr. centers | 5 |



Linear, wire wound. $10 \%$ tolerance, highly stable. smooth operation, $1 / 4^{\prime \prime}$ dia. shaft is $11 / 2^{\prime \prime}$ long with $3 / 8 x^{3 / 8}-32$ bushing. Control dia. is $1 \mathrm{~K} / \mathrm{mb}^{\mathrm{m}}$. Shpg. wt., 4 oz.

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



Lots of $10,2.71 \mathrm{Ea}$.
Lots of $25,2.57 \mathrm{Ea}$ Lots of $100,2.14 \mathrm{Ea}$.

## DUAL L:PADS

Ganged pads for stereo use. Same specifications as single L Pads bushing $7 / /^{\prime \prime}-32 \times 1$. Shpg. wt., 1 lo.


Lots of $10,5.42 \mathrm{Ea}$.
Lots of $50,4.75 \mathrm{Ea}$.
Quantity Prices (No Assortment)
Lots of 25. 5.13 Ea.
Lots of $100,4.28 \mathrm{Ea}$.
T-PADS

| Stock No. | Mfg. No. | Ohms | Stoch No. | Mfg. No. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 1395 | T2 | 2 | 33 K 1403 | T200 | 200 |
| 33 H 1396 | T4 | 4 | 33 H 1404 | T250 | 250 |
| 33 H 1397 | 16 | 6 | 33 H 1405 | T500 | 500 |
| 33 H 1398 | 18 | 8 | 33 H 1406 | T600 | 500 |
| 33 H 1399 | T15 | 15 | 33 H 1407 | T1000 | 600 |
| 33 H 1401 | T50 | 50 | 33 H 1408 | T2000 | 2K |
| 33 H 1402 | T100 | 100 | 33 H 1409 | 13000 | 2K |
| Singly Each |  |  | 3 H 1405 | 13000 | 3.54 |

Lots of $10,3.36$ Eauantity Prices (No Assoriment)
Lots of $50,2.95 \mathrm{Ea}$.
Lots of $25,3.19 \mathrm{Ea}$.
Lots of $100,2.66 \mathrm{Ea}$.

## IRC 4 WATT WIRE WOUND TYPE WPK

Unlversal wire wound control. All Linear Taper except $t$ is left hand taper for focus control. *is right hand taper for contrast and picture control. For replacement of 2. 3 and 4 watt controls. Dimensions: $11 / 4^{\prime \prime}$ dia.. Sha" deep behind mounting face. $3^{\prime \prime}$ long knob Master Shaft. Shpg. wt. 4 oz.

| Stock No. | Type | Ohms | Stock No. | Type | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 4450 | WPK. 10 | 10 | 33 H 4468 | WPK-15C0 | 00 |
| 33 H 4451 | WPK. 20 | 20 | 33 H 4469 | WPK-1500L $\dagger$ | 1500 |
| 33 H 4452 | WPK. 30 | 30 | 33 H 4470 | WPK. 2000 | 2000 |
| 33 H 4453 | WPK-50 | 50 | 33 H 4471 | WPK-2000L $\dagger$ | 2000 |
| 33 N 4454 | WPK-100 | 100 | 33 H 4472 | WPK-2250L | 2250 |
| 33 H 4455 | WPK-200 | 200 | 33 H 4473 | WPK-2500 | 2500 |
| 33 H 4456 | WPK-250 | 250 | 33 H 4474 | WPK-2500R | 2500 2500 |
| 33 H 4457 | WPK-300 | 300 | 33 H 4475 | WPK-3000 | 3000 |
| 33 H 4458 | WPK-400 | 400 | 33 H 4476 | WPK.4000L $\dagger$ | 4000 |
| 33 H 4459 | WPK-500 | 500 | 33 H 4477 | WPK. 5000 | 5000 |
| 33 H 4460 | WPK. 600 | 600 | 33 H 4478 | WPK.5000L $\dagger$ | 5000 |
| 33 H 4461 | WPK-650 | 650 | 33 H 4479 | WPK-6000 | 6000 |
| 33 H 4462 | WPK-750 | 750 | 33 H 4480 | WPK.6000L $\dagger$ | 6000 |
| 33 H 4463 | WPK-750L | $750 \uparrow$ | 33 H 4481 | WPK-7500 | 7500 |
| 33 H 4465 | WPK-1000 | 1000 | 33 H 4482 | WPK-7500 $\dagger$ | 7500 |
| 33 H 4467 | WPK-1350R* | 1350 | 33 H 4483 | WPK-10000 | 10K |
| NET EACH |  |  |  |  | 1.59 |
| Stock No. | Type | Ohms | Stock No. | Type | Ohms |
| 33 H 4484 | WPK.12500 |  |  |  |  |
| 33 H 4485 NET EACH | WPK. 15000 | 15 H | 33 H 4487 | WPK-25000 | 25K |
| NET EACH |  |  |  |  | 1.92 |
| Stock No. | Type | Ohms | Stock No. | Type | Ohms |
| 33 H 4488 | WPK. 30000 | 30K | $\mathbf{3 3} \mathrm{H} 4490$ | WPK-50000 | 50 K |
| 33 H 4489 | WPK-40000 | 40K |  | WPK-5000 | 50 h |
| NET EACH | ................. |  |  |  | 2.19 |


| Stock No. | Type | Ohms | Net | Stock No. | Type | Ohms | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 7289 | 58-1 | 1 | 1.25 | 32 H 7306 | 58-400 | 400 | 1.25 |
| 32 H 7290 | 58-2 | 2 | 1.25 | 32 H 7307 | 59.500 | 500 | 1.25 |
| 32 H 7291 | 58-4 |  | 1.25 | 32 H 7308 | 58.750 | 750 | 1.25 |
| 32 H 7292 | 58.6 | 6 | 1.25 | 32 H 7309 | 58-1000 | 1K | 1.25 |
| 32 H 7293 | 58-10 | 10 | 1.25 | 32 H 7310 | 58-1500 | 1.5K | 1.25 |
| 32 H 7294 | 58-15 | 15 | 1.25 | 32 H 7311 | 58-2000 | 2 K | 1.25 |
| 32 H 7295 | 58-20 | 20 | 1.25 | 32 H 7312 | 58.3000 | 3 K | 1.25 |
| 32 H 7296 | 58-25 | 25 | 1.25 | 32 H 7313 | 58.5000 | 5 K | 1.25 |
| 32 H 7297 | 58-30 | 30 | 1.25 | 32 H 7314 | 58-7500 | 7.5K | 1.25 |
| 32 H 7298 | 58-40 | 40 | 1.25 | 32 H 7315 | 58-10K | 10k | 1.25 |
| 32 H 7299 | 58-50 | 50 | 1.25 | 32 H 7316 | 58-15K | 15K | 1.52 |
| 32 H 7301 | 58.60 | 60 | 1.25 | 32 H 7317 | 58.20K | 20k | 1.52 |
| 32 H 7302 | 58-75 | 75 | 1.25 | 32 H 7318 | 58-25K | 25K | 1.52 |
| 32 H 7303 | 58.100 | 100 | 1.25 | 32 H 7319 | 58-30K | 30K | 1.95 |
| 32 H 7304 | 58-200 | 200 | 1.25 | 32 H 7320 | 58-40K | 40K | 1.95 |
| 32 H 7305 | 58-300 | 300 | 1.25 | 32 H 7321 | 58-50K | 50 K | 1.95 |

58C 1 SERIES $5 \%$ CONTROL
Same as series 58 except $\pm 5 \%$ tol

| Stock No. | Ohms | Stock No. | Ohms |
| :--- | :---: | :---: | :---: |
| 32 H 7322 | 10 | 32 H 7352 | 1000 |
| 32 H 7323 | 100 |  |  |
|  | Any type above | . Each 2.25 |  |

## MALLDRY PRINTED CIRCUIT MINITROLS

Carbon transistor controls, all linear taper. rated $1 / 4$ watt. Diameter $1 / 2$. No shaft, ali open screwdriver slot adjustment. $1 / 4^{\prime \prime}-32$ bushing. Choice of horizontal or vertical mount. Shpg. wt. 4 oz.
Type MTC-



## IRC TYPE WPS 4 WATT WIRE WOUND

Universal wire wound control. For replacement of 2. 3 and 4 wat controls. Dimensions: $144^{\prime \prime}$ dia., ${ }^{23} 刀_{2}^{\prime \prime}$ deep behind mounting face $74^{\prime \prime}$ long shaft, slotted and knurled. All types have linear taper Stock No. IRC Type Onms Tap Steck No. IRC Type Ohms Tap

33 H 4491 WPS-10×5 33 H 4492 WPS. $15 \times 7.5$ 33 H 4493 WPS $20 \times 10^{\circ}$ 33 H 4494 WPS-25 33 H 4495 WPS-25X12.5 33 H 4496 WPS-30×15 33 H 4498 WPS- $40 \times 20$ 33 H 4499 WPS- $50 \times 25$ 33 H 4511 WPS. 60 33 H 4502 WPS $80 \times 40$ 33 H 4503 WPS $100 \times 50$ Plain Controls

33 H 4504 WPS $140 \times 70 \quad 14070$ $\begin{array}{lll}10 & 5 & 3 \\ 15 & 7.5 & 3\end{array}$ \begin{tabular}{lllll}
20 \& 10 \& 33 H 4506 \& WPS-200x <br>
\hline

 $25-10 \quad 33$ H 4507 WPS-200X 100200100 

25 <br>
\hline 12.5 \& 33 \& H 4508 WPS-500 \& $250-$ <br>
\hline

 

\& 15 \& 15 <br>
\hline \& 33 \& H 4510 <br>
\& WPS \& 1000

 

30 \& 15 \& 33 \& H <br>
40 \& 20 \& 3512 \& WPSS- 2000 <br>
\hline
\end{tabular} 33 H 4512 WPS-2000

33 H 4515 WPS-2500
33 H 4516 WPS -3000
33 H 4517 WPS 4000 $80-40$ 8040 10050

33 H 4519 WPS. 5000 33 H 4201 WPS. 10
Tapped Controls

| Stock No. | IRC Type | Ohms | Stock No. | IRC Type | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H A522 | WM. 50 | 50 | 33 H 4728 | WM-1500 | 1500 |
| 33 H 4523 | WM-100 | 100 | 33 H 4529 | WM-2000 | 2000 |
| 33 H 4524 | WM-200 | 200 | 33 H 4530 | WM-2500 | 2500 |
| 33 H 4525 | WM. 250 | 250 | 33 H 4531 | WM-3000 | 3000 |
| 33 H 4526 | WM-500 | 500 | 33 H 4532 | WM-5000 | 5000 |
| 33 H 4527 | WM-1000 | 1000 | 33 H 4533 | WM-10000 | 10000 |
| Any of the | above |  |  |  | 1.50 |

# IRC -CLAROSTAT LAFAYETTE Controls 



## IRC Q CONTROLS

WITH UNIVERSAL SHAFTS

Knurled, flatted and slotted, $3^{\prime \prime}$ shaft. "1\%o" dia.. $1 / /^{\prime \prime}$ long bush. Ing. Has removable shaft. "Includes 270 ohm, $1 / 2$-watt fixed bias resistor. Less switch. See taper explanation shown on this pare. Avg. shpg. wt. $40 z$

| Stack No. | IRC Type | Ohms | Taper | Sloch No. | IRC Type | Ohms | Taper |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 4301 | Q11-201 | 250 | A | 33 H 4335 | 013.128 | 100k | C |
| 33 H 4302 | Q11.103 | 500 | A | 33 H 4336 | Q11-228 | 125K | A |
| 33 H 4303 | 011.105 | 750 | A | 33 H 4337 | 011.328 | 150 K | A |
| 33 H 4305 | Q11-108 | 1000 | A | 33 H 4339 | 011.129 | 200 K | A |
| 33 H 4306 | Q17-108 | 1000 | 0 | 33 H 4340 | 011.130 | 250 K | A |
| 33 H 4397 | Q11-109 | 1500 | A | 33 H 4341 | Q13-130 | 250K | C |
| 33 H 4309 | 011.110 | 2000 | A | 33 H 4344 | Q13-132 | 350 K | C |
| 33 H 4310 | Q17.110 | 2000 | 0 | 33 H 4345 | Q11-133 | 500 K | A |
| 33 H 4311 | 013.111 | 2500 | c | 33 H 4346 | Q13-133 | 500 K | c |
| 33 H 4312 | Q17.111 | 2500 | Q | 33 H 4347 | Q14.133 | 500 K | 0 |
| 33 H 4313 | Q11-112 | 3000 | A | 33 H 4348 | Q17.133 | 500 K | 0 |
| 33 H 4314 | 017.112 | 3000 | 0 | 33 H 4349 | Q11-134 | 600k | A |
| 33 H 4315 | 011.114 | 5000 | A | 33 H 4351 | 011.137 | 1 mes. |  |
| 33 H 4316 | 013-114 | 5000 | C | 33 H 4352 | Q13-137 | 1 mes. | C |
| 33 H 4317 | 017-114 | 5000 | 0 | 33 H 4353 | 014.137 | 1 mes. | D |
| 33 H 4318 | Q11-115 | 7500 | A | 33 H 4355 | Q11-138 | 1.5 mer. | A |
| 33 H 4319 | Q11-116* | 10 K | A |  |  |  |  |
| 33 H 4320 | Q13-116 | 10K | C | 33 H 4356 | 011.139 | 2 mes. |  |
| 33 H 4321 | Q14.116* | 10K | 0 | 33 H 4357 | 013.139 | 2 mes. | C |
| 33 H 4323 | Q11-119 | 20K | A | 33 H 4358 | 017-139 | 2 mes . | a |
| 33 H 4324 | Q16-119* | 20k | S | 33 H 4359 | Q11.239 | 2.5 mes. | A |
| 33 H 4325 | 011-120 | 25K | A | 33 H 4360 | Q11-140 | 3 mer. | A |
| 33 H 4326 | Q13-120 | 25K | C | 33 H 4361 | Q13-140 | 3 mes . | C |
| 33 H 4327 | 014.120 | 25k | D | 33 H 4362 | Q17.140 | 3 meg. | a |
| 33 H 4330 | Q11-123 | 50 K | A | 33 H 4363 | 011.141 | 5 mer . | A |
| 33 H 4331 | Q13-123 | 50K | C | 33 H 4364 | Q12-141 | 5 meg . | S |
| 33 H 4332 | Q14.123* | 50K | D | 33 H 4365 | Q13-141 | 5 meg . | c |
| 33 H 4333 | Q11-125 | 75k | A | 33 H 4367 | 011.142 | 7.5 mea. | A |
| 33 H 4334 | Q11-128 | 100K | A | 33 H 4368 | 0.11 .143 | 10 mes . | A |
| Net Each |  |  |  |  |  |  | 1.23 |

TAPPED Q CONTROLS
All values are in megohms except with e which are in ohms.

| Stock No. | IRC Type | Megs | Taps? T | aper | Stock No. | IRC Type | Megs | Taps ${ }^{\text {P Taper }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 4369 | 017-105x | 750* | 250 | S | 33 H 4385 | Q18.133xx | 5 | 100K/200K |  |
| 33 H 4370 | 017-110xx | $2 \mathrm{~K}^{\circ}$ | 250/500 | S | 33 H 4386 | 017-137x | 1.0 | 35K | S |
| 33 H 4373 | Q17-118x | 15K* | 5 K | S | 33 H 4387 | Q13-137x | 1.0 | 250K | H |
| 33 H 4374 | Q17-118xX | 15k* | 5K/10K | S | 33 H 4388 | Q17-137xx | 1.0 | 50k/100K | S |
| 33 H 4375 | 017-328XX | 15 | 19K/38K | S | 33 H 4389 | Q18-137X | 1.0 | 100K | S |
| 33 H 4376 | Q18.130X | . 25 | 60 K | H | 33 H 4392 | QVC-539x | 1.0 | 5 meg. | S |
|  |  |  |  |  | 33 H 4393 | Q13-138x | 1.5 | .25 meg . | S |
| 33 H 4378 | Q18-130xX | 25 | 60K/120K | S | 33 H 4394 | Q19-139x | 2.0 | 50K | S |
| 33 H 4379 | 017-132x | . 35 | 35K | S | 33 H 4396 | Q18.139xx | 2.0 | 250K/. 5 meg. | S |
| 33 H 4380 | Q18-132X | . 35 | 75K | H | 33 H 4398 | Q13-139x | 2.0 | 5 meg . |  |
| 33 H 4381 | Q17-133x | . 5 | 25K | S | 33 H 4399 | Q18-139x | 2.0 | 1 mer. | S |
| 33 H 4382 | 018.133 ${ }^{\text {a }}$ | . 5 | 50 K | S | 33 H 4401 | 013-140x | 3.0 | 900K | S |
| 33 H 4383 | 013-133x | . 5 | 125K | H | 33 H 4402 | Q18.140X | 3.0 | 1.5 mer. | 5 |
| 33 H 4384 | Q19-133X | 5 | 250K | S |  |  |  |  |  |
| Net Each |  |  |  |  |  |  |  |  | 1.74 |

TYPE M ADD-UN MULTI-SECTIONS

| Stock No, | IRC Type | 0 hms | Taper | Stock No. | IRC Sype | Ohms | Taper |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 4403 | M11-103 | 500 | A | 33 H 4416 | M13.130 | 250K | C |
| 33 H 4404 | M11.108 | 1K | A | 33 H 4417 | M11-133 | 500K | A |
| 33 H 4405 | M11-110 | 2 K | A | 33 H 4418 | M13-133 | 500K | C |
| 33 H 4406 | M11-112 | 3K | A | 33 H 4419 | M11.137 | 1 mer. | A |
| 33 H 4407 | M11-114 | 5K | A | 33 H 4420 | M13-137 | 1 mer. | C |
| 33 H 4408 | M11-116 | 7.5K | A | 33 H 4421 | M13.138 | 1.5 meg . | C |
| 33 H 4409 | M17-116 | 10K | 0 | 33 H 4422 | M12.139 | 2 mer. | A |
| 33 H 4410 | M11-120 | 25K | A | 33 H 4423 | M13.139 | 2 mer. | C |
| 33 H 4411 | M11-121 | 30 K | A | 33 H 4424 | M13.140 | 3 mer. | C |
| 33 H 4412 | M11-123 | 50 K | A | 33 H 4425 | M17-140 | 3 mer. | 0 |
| 33 H 4413 | M11-128 | 100K | A | 33 H 4426 | M11-141 | 5 meg. | A |
| 33 H 4414 | M13-128 | 100k | C | 33 H 4427 | M11.143 | 10 mer. | A |
| 33 H 4415 | M11-13C | 250K | A |  |  |  |  |
| Net Each |  |  |  |  |  |  | 1.62 |

a CONTROL SWITCHES
33 H 4428 Type $76-1$ - SPST
33 H 4429 Type 76.2 - DPST
33 H 4430 Type 76.4 - SPDT

Net .75
Net. 75
Net .75

## EXPLANATION OF IRC TAPERS

A. LInear. C. Logarithmic, audio or an tenna shunt. D. Tapered both ends, grid blas and antenna. H. Tapped log.; automatic bass compensation. P. Semi-log, reverse taper for picture control. Q Semi-log for audio circuit, contrast and stereo tone and balance. S. Special taper -based on specific application

## 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 rold-fin. ished metal escutcheon plate. mtg. screws. and attractive black knob. Size: $1 / 1 / 0^{\prime \prime}$ dia. 3/4" deep (less shaft), $21 / 2^{\prime \prime}$ deep overall. Imported. Shpr. wt., 602.
1 pad for 8 ohm circuits 99 H 6134

Net 1.39
L pad for 16 ohm circuits 99 н 6135

Net $1.39^{1}$
LaFAYETTE T PADS
Pads
Constant impedance control to adjust speaker volume. With brass satin plate for wall mounting. With all parts and instructions. Imported. Shpg. wt. 10 oz . 8 ohm T Pad
99 H 6136
Net 4.49


CLAROSTAT CONSTANT IMPEDANCE 10-WATT OUTPUT ATTENUATORS

Series Cl8 rated at 10 -watts but will handle up to 30 -watts in audlo circuits. Linear attenuation provided in 3 db steps wo to 24 db .. then 30 db followed by infinity. Supplied with dial plate and bar knob. One hole mounting $33^{\prime \prime}$ bushing dia. $1^{\prime \prime}$ shaft. Shpg, wi., $40 z$.

| Stock No. | Ohms | Stock No. | Ohms |
| :--- | :---: | :--- | ---: |
| $\mathbf{3 2}$ H 7283 | 6 | 32 H 7371 | 200 |
| 32 H 7284 | 8 | 32 H 7372 | 250 |
| 32 H 7285 | 15 | 32 H 7373 | 500 |
| 32 H 7286 | 50 | 32 H 7374 | 600 |
| Any type above |  | Each 7.70 |  |


Each 7.70


# OHMITE-AB-CONTROLS AND RHEOSTATS <br> CA CBCU 



AB pots are rated at 2 watts. Type CMU has 7/9" slotted shaft, CU, CA, CB, CCU have $2^{\prime \prime}$ unslotted shaft. CLU has locking type slotted shaft. All $10 \%$ tolerance except are $20 \%$. Avg. shpg. wt., 502.

TYPE CLU MIL RV4L

All have llnear taper. $1 / 3_{2}{ }^{\prime \prime}$ diam. with $7 / 8^{\prime \prime}$ slotted shaft $1 / 4^{\prime \prime}$ in dia

| Stock No, | Ohms | Mfr. No. | Stock No. | Ohms | Mfr. Ne. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8001 | 50 | CMU. 5001 | 30 H 8017 | 35.000 | CMU-35 |
| 30 H 8002 | 100 | CMU-1011 | 30 H 8018 | 50,000 | CMU-5031 |
| 30 H 8003 | 150 | CMU-1511 | 30 H 8019 | 75,000 | CMU-7531 |
| 30 H 8004 | 250 | CMU-2511 | 30 H 8020 | 1 Meg . | CMU-1041 |
| 30 H 8005 | 350 | CMU-3511 | 30 н 802 | . 15 Meg. | CMU-1541 |
| 30 H 8006 | 500 | CMU-5011 | 30 H 8022 |  |  |
| 30 H 8007 | 750 | CMU-7511 | 30 H 8023 | . 35 Meg | CMU-3541 |
| 30 H 8008 | 1.000 | CMU-1021 | 30 H 8024 | . 5 Meg . | CMU-5041 |
| 30 H 8009 | 1,500 | CMU-1521 | $30 \mathrm{H} 8025{ }^{\text {* }}$ | . 75 Meg . | CMU-7542 |
| 30 H 8010 | 2,500 | CMU-2521 | 30 H $8026{ }^{\text {* }}$ | 1.0 Meg . | MU-1052 |
| 30 H 8011 | 3,500 | CMU-3521 | 30 H 8027*. | 1.5 Meg . |  |
| 30 H 8012 | 5,000 | CMU-5021 | 30 H 8028* | 2.0 Meg . | MU-2052 |
| 30 H 8013 | 7.500 | CMU- 7521 | 30 H 8029. | 2.5 Meg . | CMU-2552 |
| 30 H 8014 | 10.000 | CMU-1031 | 30 H 8030 * | 3.5 Meg. | CMU-3552 |
| 30 H 8015 | 15,000 | CMU-1531 | 30 н 803i* | 5.0 Meg . | CMU-5052 |
| 30 H 8016 | 25,000 | CMU-2531 |  |  |  |
| Net Ea. Any of the Above 1.99 |  |  |  |  |  |

TYPES CU-LINEAR TAPER
$2^{\prime \prime}$ Round. $1 / 4^{* \prime}$ Stiaft, $1 \%_{2}^{\prime \prime}$ Dia. $\times 5 / /^{\circ}$

| stock No. | Ohms | mfg. No | Stock No. | tims | , |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8063 | 50 | CU. 5001 | 30 H 8079 | 35,000 | C(0)3531 |
| 30 H 8064 | 100 | CU-1011 | 30 H 8080 | 50,000 | CU-5031 |
| 30 H 8065 | 150 | CU-1511 | 30 H 8081 | 75,000 | CU-7531 |
| 30 H 8066 | 250 | CU-2511 | 30 H 8082 | ${ }^{1}$ Meg | CU-1041 |
| 30 H 8067 | 350 | CU. 3511 | 30 H 8083 | . 15 Meg | CU-1541 |
| 30 H 8068 | 500 | CU-5011 | 30 H 8084 | . 25 Meg | CU-2541 |
| 30 H 8069 | 750 | CU. 7511 | 30 H 8085 | . 35 Meg | CU. 3541 |
| 30 H 8070 | 1000 | CU-1021 | 30 H 8086 | . 5 Meg | CU-5041 |
| 30 H 8071 | 1500 | CU-1521 | 30 H BOB7** | . 75 Meg | CU-7542 |
| 30 H 8072 | 2500 | CU-2521 | 30 H 8088* | 1 Meg | CU-1052 |
| 30 H 8073 | 3500 | CU-3521 | 30 н 8089* | 1.5 Meg | CU- 1552 |
| 30 H 8074 | 5000 | CU. 5021 | 30 H 8090* | 2 Meg | CU-2052 |
| 30 H 8075 | 7500 | CU.7521 | 30 H 8091* | 2.5 Meg | CU-2552 |
| 30 H 8076 | 10,000 | CU-1031 | 30 H 8092* | 3.5 Meg | CU-3552 |
| 30 H 8077 | 15,000 | CU-1531 | 30 н 8093** | 5 Meg | CU. 5052 |
| 30 H 8078 | 25,000 | CU-2531 | 30 н 8053 |  |  |
| Net Ea. Any | of the $A$ | e 1.99 |  |  | 1.95 |

100-UP

Locking type with nut and slotted shaft. $1 \%_{g^{"}}$ dia. All have linear taper.

| Stoch No. | Ohms | Mfr. No. | Stock No. | Ohms | Mir. No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8032 | 50 | CLU-5001 | 30 H 8048 | 35,000 | CLU.3531 |
| 30 H 8033 | 100 | CLU-1011 | 30 H 8049 | 50,000 | CLU-5031 |
| 30 H 8034 | 150 | CLU-1511 | 30 H 8050 | 75,000 | CLU-7531 |
| 30 H 8035 | 250 | CLU-2511 | 30 H 8051 | 1 Meg . | CLU-1041 |
| 30 H 8036 | 350 | CLU.3511 | 30 H 8052 | . 15 Meg. | CLU-1541 |
| 30 н 8037 | 500 | CLU-5011 | 30 H 8053 | 25 Meg . | CLU-2541 |
| 30 H 8038 | 750 | CLU-7511 | 30 H 3054 | . 35 Meg . | CLU-3541 |
| 30 H 8039 | 1,000 | CLU-1021 | 30 H 8055 | . 5 Meg . | CLU-5041 |
| 30 H 8040 | 1,500 | CLU-1521 | 30 H $8056^{\circ}$ | . 75 Meg . | CLU. 7542 |
| 30 H 8041 | 2.500 | CLU-2521 | 30 H 8057* | 1.0 Meg. | CLU-1052 |
| 30 H 8042 | 3,500 | CLU-3521 | 30 H 8058** | 1.5 Meg. | CLU1552 |
| 30 H 8043 | 5,000 | CLU-5021 | 30 H 8059** | 2.0 Meg. | CLU-2052 |
| 30 H 8044 | 7,500 | CLU-7521 | 30 H $8060{ }^{\text {* }}$ | 2.5 Meg . | CLU-2552 |
| 30 H 8045 | 10,000 | CLU-1031 | 30 H 8061 * | 3.5 Meg. | CLU-3552 |
| 30 H 8046 | 15,000 | CLU-1531 | 30 H 8062** | 5.0 Meg . | CLU-5052 |
| 30 H 8047 | 25,000 | CLU-2531 |  |  |  |

Net Ea. Any of the Above 1.99
CA and CB-LOGARITHMIC TAPERS
Type CA is clockwise; CB is counterclockwise. $2^{\prime \prime}$ Round, $1 / 3^{\prime \prime}$ Shaft, $1 \mathrm{~S}_{2}^{\prime \prime}$ Ola. $x$ 5/8".

| Stock No | Ohms | Mfg No | Stock No. | Ohms | Mfs. No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8094 | 10.000 | C8-1031 | 30 H 8098 | 250,000 | CA-2541 |
| 30 H 2095 | 25,000 | C8.2531 | 30 H 8099 | 500,000 | CA-5041 |
| 30 H 8096 | 50,000 | C8-5031 | $30 \mathrm{H} 8101{ }^{*}$ | 1 Meg | CA-1052 |
| 30 H 8097 | 100,000 | CA-1041 | $30 \mathrm{H} 8102^{*}$ | 2.5 Meg | CA-2552 |
| Net Ea. Any of Above 1.99 100 -UP |  |  |  |  | $\begin{aligned} & 2.25 \\ & 1.69 \end{aligned}$ |

TYPE CCU LINEAR TAPER DUALS

| Stock No | Ohms | mfg. No. | Stock No. | Ohms | Mfy. No. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 8103 | 10,000 | CCU-1031 | 30 H 8107 | 250,000 | CCU-2541 |
| 30 H 8104 | 25,000 | CCU-2531 | 30 H 8108 | 500,000 | CCU-5041 |
| 30 н 8105 | 50,000 | CCU-5031 | 30 H 8109** | 1 Meg . | CCU. 1052 |
| 30 H 8106 | 100,000 | CCU-1041 |  |  |  |
| Net Ea. Any of Above 1.99 |  |  |  |  | 5.85 |
|  |  |  |  |  | 4.40 |

30 H 8110
Net ea.

## WIREWOUND INDUSTRIAL RHEDSTATS

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 selting. Less knob. Avg. shpg. wt. 1002.

7/0" dia. "Ko" Depth behind Panel.
$7 / 0^{" 1}$ dia. "Ko"
E-121/2-WATT

| MODEL E-121/2-WATT |  |  |
| :---: | :---: | :---: |
| Stock No. | mfg . No. | Ohms |
| 30 H $8111^{*}$ | 0101 | 1 |
| 30 H $8112^{\circ}$ | 0102 | 2 |
| 30 H 8113 | 0103 | 3 |
| 30 H 8114 | 0104 | 6 |
| 30 H 8115 | 0105 | 8 |
| 30 H 8116 | 0106 | 10 |
| 30 H 8117 | 0107 | 15 |
| 30 H 8118 | 0108 | 25 |
| 30 H 8119 | 0109 | 35 |
| 30 H 8120 | 0110 | 50 |
| 30 H 8121 | 0111 | 75 |
| 30 H 8122 | 0112 | 100 |
| 30 H 8123 | 0113 | 125 |
| 30 H 8124 | 0114 | 175 |
| 30 H 8125 | 0115 | 250 |
| 30 H 126 | 0116 | 350 |
| 30 H 8127 | 0117 | 500 |
| 30 H 8128 | 0118 | 750 |
| 30 H 8129 | 0119 | 1000 |
| 30 H 8130 | 0120 | 1500 |
| 30 H 8131 | 0121 | 2500 |
| 30 H 8132 | 0122 | 3500 |
| 30 H 8133 | 0123 | 5000 |
| 30 H 8134 | 4190 | 7500 |
| 30 H 8135 | 4191 | 10,000 |
| 30 H 8136 |  | 12,500 |
| 30 H 8137 | 4193 | 15,000 |
| - | - | 20,000 |
|  |  | 25,000 |
| 5151 Knob for | del E |  |
| 30 H 8138 |  | Nel ea. . 30 |

324 Lafayette Cat. No. 680

## TYPE "AS" MINIATURE MOLDED COMPOSITION POTENTIER



## Tantalum Capacitors For Industry, MILITARY and INDUSTRIAL

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## JAMAICA N.Y.

Phone: 212 658-5050

## MALLORY TANTALUM CAPACITORS



SOLID TANTALUM
CS13B
TAS
TAM


TANTALUM FOIL CL25

WET SLUG TANTALUM CL65


SUBMINIATURE PELLET TAP TNT

HIGH TEMPERATURE XTM XTH XTV

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SPRAGUE TANTALUM CAPACITORS SOLID TANTALUM

Military CS13B - MIL-C-26655 INDUSTRIAL TYPE-150D


## DICHESNN

CSI3B SOLID ELECTRCLIYTE TANTALUM CAPACITORS .0047 thru 680 MFD - 6 thru 100 volts


## TEXAS INSTRUMENTS



SOLID TANTALUM ELECTROLYTICS COMMERCIAL TYPE SCM

[^12]
# Aerovox \& Mallory Industrial Capacitors 



## AEROVOX CP7O CAPACITORS

Oill impregnated and fllied, large, rectangular, metal-cased capacitor for heavy-duty, continuous-service applications. Immersion proof, hermetically sealed. Available with either high-voltage screw-type porce-lain-pillar terminals with soldering lugs (Type E) or the riveted terminal (Type B). Standard tolerance $\pm 10 \%$ for all units.

TYPE B RIVET TERMINAL


TYPE E PORCELAIN TERMINAL
$\begin{array}{ccc}\text { Net Each } & \\ 10- & 25 \cdot & 50- \\ 24 & 49 & 99\end{array}$
$\begin{array}{lllllll} & \text { Merovox CAP } & & 10 \cdot & 25 & 50 \\ \text { Stack No, } \\ \text { CP70 } & \text { UFD } & 1.9 & 24 & 49 & 99\end{array}$

## 1000 WVDC

34 H 7784 EIEG104K 1 $\begin{array}{lllllll}34 & \text { H } 7785 \text { EIEG105K } & 1.0 & 5.19 & 4.33 & 3.46 & 2.60\end{array}$ 34 H 7786 EIEG205K $2.0 \quad 6.06 \quad 5.05 \quad 4.043 .03$ 34 H 7787 EIEG405K $\quad 4.0 \quad 8.10 \quad 6.75 \quad 5.404 .05$ $\begin{array}{lllllll}34 & \text { H } 7788 \text { EIEG605K } & 6.0 & 9.90 & 8.25 & 6.60 & 4.95\end{array}$ $\begin{array}{llllllllllllllllll}34 \text { H } 7789 \text { EIEG805K } & 8.0 & 11.85 & 9.88 & 7.90 & 5.93\end{array}$ 34 H 7790 EIEG156K $15.0 \quad 18.75 \quad 15.63 \quad 12.50 \quad 9.38$

## 2000 WVOC

34 H 7778 BIEG105K $\quad 1.0 \quad 4.95 \quad 4.13 \quad \mathbf{3 . 3 0} \mathbf{2 . 4 8}$ 34 H 7779 BIEG205K 2.0 5.82 $4.85 \quad 3.882 .91 \quad 34$ H 7791 EIEJ $254 \mathrm{~K} \quad .25 \quad 5.224 .353 .482 .61$

 34 H 7782 BIEG126K 12.0 15.51 12.93 10.34 $7.76 \quad 34$ H 7794 EIEJ4OSK $\quad 4.0 \quad 11.55 \quad 9.63 \quad 7.70 \quad 5.78$

MALLORY CG COMPUTER GRADE


Ultra-reliable, aluminum electrolytic capacl. tors with safely vent for positive protec. tion. With Mylar insulating sleeve. Temp. Range $-20^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$. Tolerance: 0 . 150WVOC. $-10,+75 \%$ : 151 WVDC up $-10,+50 \%$.

| ock No. | MPd. | WVDC | Size |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 5700 | 36,000 | 3 | D | 4.41 | 3.47 |
| 30 H 5701 | 8,200 | 10 | C | 2.84 | 2.23 |
| 30 H 5702 | 18,000 | 10 | 0 | 4.59 | 3.61 |
| 30 H 5703 | 2.500 | 15 | A | 1.97 | 1.55 |
| 30 H 5704 | 14,000 | 15 | D | 4.47 | 3.51 |
| 30 H 5705 | 34,000 | 15 | F | 7.11 | 5.59 |
| 30 H 5706 | 1,500 | 25 | A | 1.72 | 1.35 |
| 30 H 5707 | 6,000 | 25 | K | 3.23 | 2.54 |
| 30 H 5708 | 20,000 | 25 | F | 6.55 | 5.15 |
| 30 H 5709 | 31,500 | 25 | , | 8.78 | 6.90 |
| 30 H 5710 | 800 | 50 | A | 1.74 | 1.37 |
| 30 H 5711 | 2,000 | 50 | C | 2.29 | 1.80 |
| 30 H 5712 | 3,300 | 50 | $k$ | 3.25 | 2.56 |
| 30 H 5713 | 10,000 | 50 | F | 6.70 | 5.27 |
| 30 H 5714 | 600 | 75 | A | 2.01 | 1.58 |
| ju H 5715 | 2,500 | 75 | K | 3.70 | 2.90 |
| 30 H 5716 | 3,450 | 75 | D | 4.03 | 3.17 |
| 30 H 5717 | 8,200 | 75 | F | 7.25 | 5.70 |
| 30 H 5718 | 12,500 | 75 | G | 9.45 | 7.42 |
| 30 H 5719 | 400 | 100 | A | 2.01 | 1.58 |
| 30 H 5720 | 1,000 | 100 | C | 2.73 | 2.15 |
| 30 H 5721 | 2,250 | 100 | 0 | 4.12 | 3.23 |
| 30 H 5722 | 275 | 150 | A | 1.63 | 1.29 |
| 30 H 5723 | 1,550 | 150 | 0 | 4.01 | 3.15 |
| 30 H 5724 | 5,600 | 150 | G | 9.87 | 7.76 |
| 30 H 5725 | 1,000 | 200 | D | 4.51 | 3.54 |
| 30 H 5726 | 2.450 | 200 | F | 6.83 | 5.37 |
| 30 H 5727 | 3,800 | 200 | G | 12.26 | 9.64 |
| 30 H 5728 | 375 | 250 | C | 2.99 | 2.35 |
| 30 H 5729 | 800 | 250 | ${ }^{\text {D }}$ | 4.72 | 3.71 |
| 30 H 5730 | 1,900 | 250 | F | 7.60 | 5.97 |
| 30 H 5731 | 3,000 | 250 | G | 10.16 | 8.00 |
| 30 H 5732 | 700 | 300 | 0 | 4.74 | 3.72 |
| 30 H 5733 | 1.650 | 300 | F | 8.46 | 6.65 |
| 30 H 5734 | . 100 | 350 | A | 2.43 | 1.91 |
| 30 H 5735 | 550 | 350 | 0 | 5.10 | 4.01 |
| 30 H 5736 | 2,000 | 350 | G | 10.63 | 8.35 |
| 30 H 5737 | 325 | 400 | 0 | 3.80 | 2.99 |
| 30 H 5738 | 40 | 450 | A | 1.80 | 1.41 |
| 30 H 5739 | 240 | 450 | - | 3.42 | 2.69 |


| CASE SIZES |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Size | Dia, $\times 1$. | Mtg. Clamp | Slize | Dia. $\times$ L. | Mtg. Clamp |
| A | $13 / 4 \times 21 / 4$ | VR3 | F | $3 \times 41 / 8$ | VR12 |
| 8 | $13 \% \times 31 / 4$ | VR3 | G | $3 \times 59 / 6$ | VR12 |
| C | 13\% $\times 41 / 8$ | VR3 | H | $13 / 4 \times 31 / 8$ | VR6 |
| 0 | $2 \times 41 / 6$ | VR8 | K | $13 / 4 \times 41 / 8$ | VR6 |
| 5 | $21 / 2 \times 41 / 8$ | VR10 | K | $2 \times 31 / 8$ | VR |

## P82922N PLASTIC-CASED

METALLIZED PAPER TUBULARS


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 faclitate use of automatic insertion and assembly equipment. Tolerance $\pm 20 \%$


200 WVDC

> 34 H $7795 \quad .01$ V/4×1918" $\quad .44 \quad .26 \quad .20 .18$
> 34 H 7796
> 34 H 7797
> $\begin{aligned} & 34 H 7799 \\ & 34 \text { H } 7801\end{aligned}$

$$
\begin{aligned}
& \begin{array}{llllllll}
34 \text { H } 7802 & .5 & \mathrm{~K}_{0} \times 1 \%_{2} & .80 & .47 & .36 & .32 \\
34 \text { H } 7803 & 1.0 & \mathrm{~K}_{0} \times 1 \mathrm{~K}_{2}^{\prime \prime \prime} & 1.07 & .62 & .48 & .43
\end{array}
\end{aligned}
$$

$$
\begin{aligned}
& 34 \text { H } 7317 \quad 5.0 \text { 7/8×1\%" } 2.70 \quad 1.801 .581 .08
\end{aligned}
$$

> 34 H $7320 \quad 10.0 \quad 1 \times 23 / 4004.80 \quad 3.20 \quad 2.80 \quad 1.92$
> 400 WVDC

| 34 H 7814 |  | 3/6x $3_{32}{ }^{\prime \prime}$ | . 45 | . 26 | . 20 | 18 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 7815 |  | $36 \times 23$ | . 47 | . 28 | 21 | . 19 |
| 34 H 7816 |  | 1/6x ${ }^{2}$ | . 50 | . 29 | . 22 | . 20 |
| 34 H 7817 | . 05 | $1 / 2 x^{2} 3_{2}{ }^{\prime \prime}$ | . 53 | . 31 | . 24 | 21 |
| 34 H 7818 | . 1 | 1/10x\%2" | . 59 | . 34 | 26 | . 23 |
| 34 H 7819 | . 25 | 46x15" | 92 | . 54 | 41 | . 37 |
| 34 H 7820 | . 5 | 1\%0×11/3s | . 15 | . 67 | . 52 | 46 |
| 34 H 7821 | 1.0 | "1402" | 1.43 | . 84 | . 64 | . 57 |
| 34 H 7822 | 2.0 | 1x23\%" | 2.03 | 1.18 | . 91 | . 81 |
| 34 H 7823 | 3.0 | $1 \times 33 \mathbf{6}^{\prime \prime}$ | 2.73 | 1.82 | 1.59 | . 09 |

AEROVOX for INDUSTRY:
MILITARY and COMMERCIAL

METALLIZED PAPER CAPACITORS



P952N Micro-Miniature Dipped Metallized Capacitors P1232NG Metal Cased Capacitors

MONOLITHIC CERAMIC CAPACITORS

MIL Types
CK05.CK06

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NATICK, MASS.
617 969-6100

## ARCO-ELMENCO \& SANGAMO DIPPED

MYLAR PAPER
SILVERED MICA CAPACITORS
ELMENCO TYPE DP DIPPED MYLAR PAPER CAPACITORS




400 WVDC

| Stock No. | Mfd. | $\begin{aligned} & 4 \mathrm{DP} \\ & \text { No. } \end{aligned}$ | $\begin{aligned} & \text { NEI } \\ & 1.24 \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25.99 \end{aligned}$ | $\begin{aligned} & 100 \\ & 499 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 6761 | . 01 | 1.103 | .15 | . 135 | . 09 |
| 34 H 6762 | . 015 | 1.153 | . 15 | . 135 | . 09 |
| 34 H 6763 | . 02 | 2.203 | . 15 | . 135 | . 09 |
| 34 H 6764 | . 022 | 2-223 | . 18 | . 162 | . 108 |
| 34 H 6765 | . 025 | 2-253 | . 18 | . 162 | . 108 |
| 34 H 6766 | . 03 | $2 \cdot 303$ | . 18 | . 162 | . 108 |
| 34 H 6767 | . 033 | $2 \cdot 333$ | . 18 | .162 | . 108 |
| 34 H 6768 | . 04 | 3.403 | . 18 | .162 | . 108 |
| 34 H 6769 | . 047 | $3 \cdot 473$ | 21 | . 189 | . 126 |
| 34 H 6770 | . 05 | 3.503 | 21 | . 189 | . 126 |
| 34 H 6771 | . 056 | $3 \cdot 563$ | 21 | . 189 | .126 |
| 34 H 6772 | . 068 | 3-683 | . 24 | . 216 | . 144 |
| 34 H 6773 | . 075 | 3-753 | . 24 | 216 | . 144 |
| 34 H 6774 | . 1 | 3-104 | . 24 | . 216 | . 144 |
| 34 H 6775 | . 15 | 4-154 | . 27 | . 243 | . 162 |
| 34 H 6776 | . 2 | 5-204 | 33 | . 297 | . 198 |
| 34 H 6777 | . 22 | 5-224 | . 33 | . 297 | . 198 |
| 34 H 6778 | 25 | 5-254 | . 36 | . 324 | . 216 |
| 34 H 6779 | . 27 | 5-274 | . 36 | . 324 | . 216 |
| 34 H 6780 | . 33 | 5-334 | . 54 | . 486 | . 324 |
| 34 N 6781 | . 47 | 6-474 | . 66 | . 594 | . 396 |
| 34 H 6782 | . 5 | 6.504 | . 72 | . 648 | . 432 |


| Stock No. | Mfd. | WVOC <br> 6 DP <br> No. | $\underset{1-24}{\text { NET }}$ | $\begin{aligned} & \text { EACH } \\ & 25.99 \end{aligned}$ | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 6783 | . 001 | 1-102 | . 15 | . 135 | . 09 |
| 34 H 6784 | . 0012 | 1.122 | . 15 | . 135 | . 09 |
| 34 H 6785 | . 0015 | 1.152 | . 15 | . 135 | . 09 |
| 34 H 6786 | . 002 | 1-202 | . 15 | . 135 | . 09 |
| 34 H 6787 | . 0022 | 1-222 | . 15 | .135 | . 09 |
| 34 H 6788 | . 0025 | 1-252 | . 15 | . 135 | . 09 |
| 34 H 6789 | . 0027 | $1-272$ | . 15 | . 135 | . 09 |
| 34 H 6790 | . 003 | 1-302 | . 15 | . 135 | . 09 |
| 34 H 6791 | . 0033 | 1-332 | . 15 | . 135 | . 09 |
| 34 H 6792 | . 0039 | 1.392 | .85 | . 135 | . 09 |
| 34 H 6793 | . 004 | $1-402$ | . 15 | . 135 | . 09 |
| 34 H 6794 | . 0047 | 1-472 | . 15 | . 135 | . 09 |
| 34 H 6795 | . 005 | 1.502 | . 15 | . 135 | . 09 |
| 34 H 6796 | . 0056 | 1.562 | . 15 | . 135 | . 09 |
| 34 H 6797 | . 006 | 1-602 | .15 | . 135 | . 09 |




1600 wVOC (Cont'd)

| Stock No. | Mft. | $\begin{aligned} & 16 \mathrm{DP} \\ & \mathrm{NO} \text {. } \end{aligned}$ |  | $\begin{gathered} \text { EACH } \\ 25.99 \end{gathered}$ | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 6758 | . 04 | 5-403 | . 45 | . 405 | . 27 |
| 34 H 6759 | . 047 | 5-473 | . 48 | 432 | . 288 |
| 34 H 6760 | . 05 | 5-503 | 48 | 432 | 288 |

## TYPE DM-10 (CM04) DIPPED

 SILVERED MICA CAPACITORSMeets all the electrical requirements of milltary spec. MIL.C. 5 C and EIA specifica tion RS-153. All are $5 \%$ tolerance except * $=$ min tolerance $\pm 1.0 \mathrm{mmf}{ }^{* *}= \pm 10 \%$. All 500 WVDC except $\$ 300$ WVDC and $t$ is 100 WVDC.

| Stock No. | Cap. MMF | 0M10. <br> Type | $\begin{gathered} \text { NET } \\ 1.24 \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25-99 \\ & \hline \end{aligned}$ | $\begin{gathered} 100- \\ 499 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 3501 | 1 | $010 *$ | . 19 | .171 | .114 |
| 30 H 3502 | 2 | 020** | 19 | .171 | 114 |
| 30 H 3503 | 3 | 030* | .19 | .171 | . 114 |
| 30 H 3504 | 5 | 050** | . 19 | .171 | 114 |
| 30 H 3505 | 10 | 100 | . 31 | . 279 | 186 |
| 30 H 3596 | 12 | 120 | . 31 | . 279 | 186 |
| 30 H 3507 | 15 | 150 | 31 | . 279 | 186 |
| 30 H 3508 | 18 | 180 | . 31 | . 279 | 186 |
| 30 H 3509 | 20 | 200 | . 24 | .216 | 144 |
| 30 H 3510 | 22 | 220 | . 24 | . 216 | 144 |
| 30 H 3511 | 24 | 240 | . 24 | .216 | 144 |
| 30 H 3512 | 27 | 270 | 24 | . 216 | 144 |
| 30 H 3513 | 30 | 300 | . 24 | . 216 | . 144 |
| 30 H 3584 | 33 | 330 | . 24 | . 216 | 144 |
| 30 H 3515 | 36 | 360 | . 24 | . 216 | 144 |
| 30 H 3516 | 39 | 390 | . 24 | . 216 | 144 |
| 30 H 3517 | 43 | 430 | . 24 | . 216 | 144 |
| 30 H 3518 | 47 | 470 | . 27 | . 243 | . 162 |
| 30 H 3519 | 50 | 500 | . 27 | 243 | 162 |
| 30 H 3520 | 51 | 510 | . 27 | . 243 | . 162 |
| 30 H 3521 | 56 | 560 | .27 | . 243 | . 162 |
| 30 H 3522 | 62 | 620 | . 27 | . 243 | .162 |
| 30 H 3523 | 68 | 680 | .27 | .243 | .162 |
| 30 H 3524 | 75 | 750 | . 27 | . 243 | .162 |
| 30 H 3525 | 82 | 820 | . 27 | .243 | .162 |
| 30 H 3526 | 91 | 910 | . 27 | .243 | .162 |
| 30 H 3527 | 100 | 101 | . 27 | . 243 | . 162 |
| 30 H 3528 | 110 | 111 | . 27 | . 243 | . 162 |
| 30 H 3529 | 120 | 121 | . 31 | . 279 | . 186 |
| 30 H 3530 | 130 | 131 | .31 | . 279 | .186 |
| 30 H 3531 | 150 | 151 | .34 | .306 | . 204 |
| 30 H 3532 | 160 | 161 | . 38 | . 342 | . 228 |
| 30 H 3533 | 180 | 181 | . 42 | . 378 | . 252 |
| 30 H 3534 | 200 | 201 | . 42 | .378 | . 252 |
| 30 H 3535 | 220 | 221 | .46 | .414 | . 276 |
| 30 H 3536 | 240 | 241 | . 48 | .432 | 228 |
| 30 H 3537 | 250 | 251 | .48 | .432 | . 228 |
| 30 H 3538 | $270 \pm$ | 271 | .46 | .414 | . 276 |
| 30 H 3539 | 3007 | 301 | . 50 | . 45 | . 30 |
| 30 H 3540 | 3301 | 331 | . 50 | . 45 | . 30 |
| 30 H 3541 | 3601 | 361 | . 53 | .477 | . 318 |
| 30 H 3593 | 3901 | 391 | . 56 | . 504 | .336 |

## TYPE DM-19 (CMO6) DIPPED SILVER MICA CAPACITORS

TYPE OM. 19 (C Siyle CMO6) Operate from -55 to $150^{\circ} \mathrm{C}$. Meets all electrical requirements of mil spec MIL-C.5C and EIA spec RS-153. Capacitance values $430-4700$ mmf bear CM06 type designations. All have $\pm 5 \%$ tolerance. All 500 DCWV except 300 WV and 1100 WV.

| Stock No. | Cap. MMF | OM-19 Type | $1.24^{\text {NET }}$ | $\begin{aligned} & \text { TEACH } \\ & 25.99 \\ & \hline \end{aligned}$ | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 3542 | 100 | 101 | . 20 | . 18 | . 12 |
| 30 H 3543 | 110 | 111 | . 20 | . 18 | .12 |
| 30 H 3544 | 120 | 121 | . 20 | . 18 | .12 |
| 30 H 3545 | 130 | 131 | . 22 | .198 | . 132 |
| 30 H 3546 | 150 | 151 | 22 | . 198 | . 132 |
| 30 H 3547 | 160 | 161 | . 22 | . 198 | . 132 |
| 30 H 3548 | 180 | 181 | . 22 | . 198 | .132 |
| 30 H 3549 | 200 | 201 | . 22 | .198 | . 132 |
| 30 H 3550 | 220 | 221 | . 22 | . 198 | . 132 |
| 30 H 3551 | 240 | 241 | . 24 | . 216 | . 144 |
| 30 H 3552 | 250 | 251 | . 24 | . 216 | . 144 |
| 30 H 3553 | 270 | 271 | . 27 | . 243 | . 162 |
| 30 H 3554 | 300 | 301 | 27 | . 243 | . 162 |
| 30 H 3555 | 330 | 331 | . 27 | . 243 | . 162 |
| 30 H 3556 | 360 | 361 | .31 | . 279 | .186 |
| 30 H 3557 | 390 | 391 | . 31 | . 279 | .186 |
| 30 H 3558 | 430 | 431 | . 31 | . 279 | . 186 |
| 30 H 3559 | 470 | 471 | . 34 | . 306 | . 204 |
| 30 H 3560 | 500 | 501 | . 34 | . 306 | . 204 |
| 30 H 3561 | 510 | 511 | .34 | .306 | . 204 |
| 30 H 3562 | 560 | 561 | . 34 | .306 | . 204 |
| 30 H 3563 | 620 | 621 | . 37 | . 333 | 222 |
| 30 H 3564 | 680 | 681 | . 37 | . 333 | . 222 |
| 30 H 3565 | 750 | 751 | .41 | . 369 | 246 |
| 30 H 3566 | 820 | 821 | . 44 | . 396 | . 264 |
| 30 H 3567 | 910 | 911 | . 44 | . 396 | . 264 |


| Stock No. | MMF | $\begin{array}{r} \text { DM-19 } \\ \text { Type } \end{array}$ | $\begin{gathered} \text { NET } \\ \mathbf{1 . 2 4} \\ \hline \end{gathered}$ | $25.99$ | $\begin{aligned} & 100- \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 3568 | 1000 | 102 | 47 | . 423 | 28 |
| 30 H 3569 | 1100 | 112 | . 50 | 45 | 30 |
| 30 H 3570 | 1200 | 122 | 53 | 477 | 3 |
| 30 H 3571 | 1300 | 132 | . 56 | . 504 | 33 |
| 30 H 3572 | 1500 | 152 | . 59 | . 531 |  |
| 30 H 3573 | 1600 | 162 | . 63 | 567 |  |
| 30 H 3574 | 1800 | 182 | . 69 | . 621 | 4 |
| 30 H 3575 | 2000 | 202 | . 76 | . 684 |  |
| 30 H 3576 | 2200 | 222 | . 82 | . 738 | 4 |
| 30 H 3577 | 2400 | 242 | . 89 | . 801 |  |
| 30 H 3578 | 2500 | 252 | . 92 | . 828 |  |
| 30 H 3579 | 2700 | 272 | . 96 | . 864 |  |
| 30 H 3580 | 3000 | 302 | 1.02 | . 918 | . |
| 30 H 3581 | 3300 | 332 | 1.10 | . 99 |  |
| 30 H 3582 | 3600 | 362 | 1.17 | 1.05 |  |
| 30 H 3583 | 3900 | 392 | 1.23 | 1.11 |  |
| 30 H 3584 | 4300 | 432 | 1.33 | 1.20 |  |
| 30 H 3585 | 4700 | 472 | 1.44 | 1.30 |  |
| 30 H 3586 | 5000 | 502 | 1.54 | 1.39 |  |
| 30 H 3587 | 5100 | 512 | 1.57 | 1.41 |  |
| 30 H 3588 | 5600* | 562 | 1.54 | 1.39 |  |
| 30 H 3589 | 6200* | 622 | 1.67 | 1.50 | 1.00 |
| 30 H 3590 | 6800 $\dagger$ | 682 | 1.54 | 1.39 | . 92 |
| 30 H 3591 | 75001 | 752 | 1.66 | 1.49 | 00 |
| 30 H 3592 | $8200 \dagger$ | 822 | 1.78 | 1.60 |  |

# Miniature Capacitors For Transistor Circuitry 

LAFAYETTE TRANSISTOR ULTRA－MINIATURE ELECTROLYTIC CONDENSERS

## cumper

Subminiature electrolytic capacitors．Hermetically sealed aluminum cases，especially sultable physically and electrically for application in transistor and miniature electronic circuits．Long shell－ilife，stable capacity and low leakage current．Imported

| Slock No． | Description |  | Oia | Length | $1-4$ | $5.9$ | 10.49 | $\begin{aligned} & 50 \\ & 40 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $99{ }^{\text {H }} 60003$ | 2 mid | 6 volt | $1 / 4$. | 31／32＂ | ． 19 | ． 15 | 12 | 0 |
| 99 H 6004 | 4 mid | 6 volt | 1／4． | 31／23： | ． 19 | ． 15 | ． 12 | ． 11 |
| 99 H 6005 | 8 mid | 6 volt | $1 / 4$. | 31／3＂ | ． 21 | ． 17 | ． 14 | ． 11 |
| 99 H 6006 | 10 mtd | 6 voit | 1／2． | 11／n＂ | ． 21 | ． 17 | ． 14 | ． 1 |
| 99 H 6007 | 30 mfd | 6 volt | 1／4． | 11／82＂ | ． 29 | ． 23 | ． 18 | ． 15 |
| 99 H 6008 | 50 mfd | 6 volt | \％10＂ | $31 / 2$ | ． 31 | ． 25 | 20 | ． 16 |
| 99 H 6009 | 100 mid | 6 volt | 11／21＂ | 11／4＂ | ． 39 | ． 31 | ． 25 | 20 |
| 99 H 6010 | 8 mfd | 12 voll | 3．${ }^{\prime \prime}$ | $7 / 9$ | 23 | ． 18 | 14 | ． 12 |
| 99 H 6051 | 1 mfd | 5 volt | 36＊ | $7 / 8$ | ． 29 | ． 23 | ． 18 | ． 15 |
| 99 H6043 | 2 mfd | 5 volt | 36＂ |  | ． 29 | ． 23 | ． 18 |  |
| 99 H 6052 | 3 mfd | 5 volt | 36＂ | 7\％ | ． 29 | 23 | ． 18 | ． 15 |
| 99 H 6044 | 6 mfd | 5 volt | 3\％ | \％ | ． 29 | 23 | ． 18 | ． 15 |
| 99 H 6045 | 10 mfd 1 | 5 volt | $36^{\prime \prime}$ | \％ | ． 29 | 23 | ． 18 | ． 15 |
| 99 H 6046 | 20 mfd | 5 volt | 3 m | \％ | ． 29 | 23 | ． 18 | ． 15 |
| 99 H 6047 | 30 mfd 1 | 5 volt | \％10 | \％／9＂ | ． 29 | ． 23 | ． 18 | ． 15 |
| 99 H 6048 | 50 mfd 1 | 5 volt |  | 11／4． | ． 31 | 25 | 20 |  |
| 99 H 6049 | 100 mfd | 5 yolt | \％／80 | 11／4＂ | ． 45 | ． 36 | 29 | ． 23 |
| 99 H 6050 | 160 mfd 1 | 5 volt | \％10＂ | 136＂ | ． 49 | ． 39 | 31 | ． 25 |
| 99 H 6053 | 2 mid | 5 volt | 36 | \％${ }^{\text {c }}$ | ． 29 | 23 | ． 18 | ． 15 |
| 99 H 6054 | 6 mfd 2 | 5 volt | 3\％＂ | 7／8＊ | ． 29 | 23 | ． 18 | ． 15 |
| 99 H 6055 | 10 mid 2 | 5 volt | 3／6＂ | 7／8＂ | ． 31 | ． 25 | 20 | ． 16 |
| 99 H 6056 | 25 mfd 2 | 5 volt | 18／${ }^{\text {a }}$ | 1／8． | ． 31 | ． 25 | 20 | ． 16 |
| 99 H 5057 | 50 mfd 2 | 5 volt | 7／6＂ | 11／4＊ | ． 35 | 28 | ． 22 | ． 18 |
| 99 H 6058 | 160 mfd 2 | 5 volt | ＂ 14 ＂ | 13／4＂ | 49 | 39 | ． 31 | ． 25 |

## SPRAGUE TYPE TE＂LITTL－LYTIC＂

 to $11 / 2^{\prime \prime}$ ．Shipg．wt．， 202.

## LAFAYETTE SUBMINIATURE PRINTED CIRCUIT ELECTROLYTIC CAPACITORS

## SUBMINIATURE CAPACITORS

Rellable，hermetically sealed subminiature electrolytic ca． pacitors．Execlient replacement capacitors for transistorized equipment．Diag．yary from $1 / 60^{\prime \prime}$ to lengths from $1 / 2$

| Stock No． | $\begin{aligned} & \text { Type } \\ & \text { TE } \end{aligned}$ | Mfo． $\mu \mathrm{F}$ | 1－24 | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 25. | $\begin{aligned} & 50 . \\ & 99 \end{aligned}$ | $\begin{aligned} & 100 \\ & U_{p} \end{aligned}$ |
| 15 Volt |  |  |  |  |  |  |
| 34 H 8445 | 1148 | 1 | ． 57 | ． 42 | ． 32 | 26 |
| 34 H 8446 | 1149 | 2 | ． 57 | ． 42 | ． 32 | 26 |
| 34 H 8447 | 1152 | 5 | ． 57 | ． 42 | ． 32 | 26 |
| 34 H 8448 | 1153 |  | ． 57 | ． 42 | ． 32 | ． 26 |
| 34 H 8449 | 1155 | 10 | ． 57 | ． 42 | ． 32 | 26 |
| 34 H 8504 | 1156 | 15 | ． 57 | ． 41 | ． 32 | 26 |
| 34 H 8450 | 1157 | 20 | ． 57 | ． 42 | ． 32 | 26 |
| 34 H 8505 | 1157.1 | 125 | ． 75 | ． 55 | .43 | 34 |
| 34 H 8451 | 1158 | 30 | ． 75 | ． 55 | ． 43 | 34 |
| 34 H 8452 | 1160 | 50 | ． 81 | ． 61 | ． 47 | ． 38 |
| 34 H 8453 | 1162 | 100 | ． 81 | ． 61 | ． 47 | 38 |
| 34 H 8454 | 1163 | 150 | ． 87 | ． 65 | ． 51 | 41 |
| 34 H 8455 | 1164 | 200 | ． 96 | ． 72 | ． 56 | 45 |
| 25 volt |  |  |  |  |  |  |
| 34 H 8506 | 1200 | 1 | ． 54 | .41 | ． 32 | 25 |
| $34 \text { H } 8456$ | 1201 | 2 | ． 57 | .41 | ． 32 | ． 25 |
| 34 H 8457 | 1202 | 5 | ． 57 | ． 43 | ． 33 | ． 27 |
| 34 H 8458 | 1203 | 6 | ． 57 | ． 43 | ． 33 | ． 27 |
| 34 H 8507 | 1204 | 10 | ． 60 | ． 44 | ． 34 | ． 27 |
| 34 H 8459 | 1205 | 15 | ． 75 | ． 55 | ． 43 | ． 34 |
| 34 H 8460 | 1206 | 20 | ． 81 | ． 61 | ． 47 | ． 38 |
| 34 H 8461 | 1207 | 25 | ． 81 | ． 61 | ． 47 | ． 38 |
| 34 H 8462 | 1209 | 50 | ． 81 | ． 61 | ． 47 | ． 38 |
| 34 H 8508 | 1210 | 75 | ． 87 | ． 64 | ． 50 | ． 40 |
| 34 H 8463 | 1211 | 100 | ． 90 | ． 66 | ． 52 | 41 |
| 34 H 8464 1300  50 Volt <br> 1      |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 34 M 8509 | 1301 | 2 | ． 54 | ． 41 | ． 32 | ． 25 |
| 34 H 8465 | 1302 | 3 | ． 57 | ． 42 | ． 33 | ． 26 |
| 34 H 8466 | 1303 | 5 | ． 57 | ． 43 | ． 33 | ． 27 |
| 34 H 8467 | 1304 | 10 | ． 81 | ． 59 | ． 46 | ． 37 |
| 34 H 8468 | 1305 | 20 | ． 81 | ． 61 | ． 47 | ． 38 |
| 34 H 8469 | 1307 | 50 | ． 87 | ． 65 | ． 50 | ． 40 |
| 100 Volt |  |  |  |  |  |  |
| 34 H 8470 | 1401 | 2 | ． 81 | ． 59 | ． 46 | ． 37 |
| 34 H 8471 | 1403 | 4 | ． 81 | ． 59 | ． 46 | ． 37 |
| 34 H 8472 | 1404 | 5 | ． 81 | ． 60 | ． 46 | ． 37 |
| 34 H 8510 | 1407 | 10 | ． 81 | ． 60 | ． 47 | ． 38 |
| 34 H 8511 | 1409 | 20 | ． 84 | ． 63 | ． 49 | ． 39 |
| 150 Volt |  |  |  |  |  |  |
| 34 H 8473 | 1501 | 2 | ． 84 | ． 63 | ． 49 | ． 39 |
| 34 M 8474 | 1504 | 5 | ． 84 | ． 63 | ． 49 | ． 39 |
| 34 H 8475 | 1507 | 10 | ． 84 | ． 63 | ． 49 | ． 39 |

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 found in small printed－circuit transistor sets． Imported．

| Stock No． | Cap | Work | Size | Wet Each |  |  | 100$4 p$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mfd． | VOC | Dia． 1 L | 1.4 | 5.9 | 10.99 |  |
| 99 H 6070 | 2 | 6 | 㘯碞男2＂ | ． 22 | ． 18 | ． 14 | ． 11 |
| 99 H 6071 | 4 | 6 |  | ． 22 | ． 18 | ． 14 | ． 11 |
| 99 H 6072 | 6 | 6 | \％${ }^{\prime}$ ，$x^{3} / 10^{\prime \prime}$ | ． 24 | ． 19 | ． 15 | ． 12 |
| 99 H 6073 | 8 | 6 | y $1 / x^{3} / 10^{\prime \prime}$ | ． 25 | ． 20 | ． 16 | ． 13 |
| 99 H 6074 | 10 | 6 | 1／4x13／32＂ | ． 25 | 20 | ． 16 | ． 13 |
| 99 H 6075 | 20 | 6 |  | ． 27 | ． 22 | ． 18 | ． 14 |
| 99 H 6076 | 30 | 6 | \％，$x$ \％${ }^{\text {a }}$ | ． 27 | ． 22 | ． 18 | ． 14 |
| 99 H 6077 | 50 | 6 | F／801／2＂ | ． 27 | ． 22 | ． 18 | ． 14 |
| 99 H 6078 | 100 | 6 | $36 \times 1 / 2{ }^{\prime \prime}$ | ． 31 | ． 25 | ． 20 | .16 |
| 99 H 6079 | 200 | 6 | 1／2x1／2＂ | ． 33 | ． 26 | ． 21 | ． 17 |
| 99 H 6080 | 4 | 12 | 7hax ${ }^{\text {cha }}$ | ． 24 | ． 19 | ． 15 | ． 12 |
| 99 H6081 | 8 | 12 | 1／4 $\times^{1}$ \％${ }^{\text {a }}$ | ． 24 | ． 19 | ． 15 | ． 12 |
| 99 H 6082 | 10 | 12 | 1／ax $/ 1$. | ． 27 | ． 22 | ． 18 | ． 14 |
| 99 H 6083 | 20 | 12 | \％$\chi^{\prime}$ \％＂ | ． 28 | ． 22 | ． 18 | ． 14 |
| 99 H 6084 | 30 | 12 | ${ }_{17} / 2, \times 14$, | ． 29 | ． 23 | ． 18 | ． 15 |
| 99 H6085 | 50 | 12 | $1 / 2 \times 1 / 2^{\prime \prime}$ | ． 31 | ． 25 | ． 20 | ． 16 |
| 99 H 6086 | 100 | 12 | 9／16x1／2． | 33 | ． 26 | ． 21 | ． 17 |

LAFAYETTE SUBMINIATURE SQUARE
CERAMIC CAPACITORS
75 VOLT MICROMINIATURE CAPACITORS AS SMALL AS Is＂SQUARE $x$ Yo＂THICK．A new serles of dependable conservatively rated ceramic capacitors designed for greatest capacltance in the smaliest size．vacuum impregnated phenolic coating．Rated 75 V ，test volts three times DCWV．Power factor $2.5 \%$ ．Tempera－ ture range $-55^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ ．Shpg．wt．， 1 oz．


These Lafayette ceramic olscs are ideal for bypassing，blocking and coupling applica． tions，replacements for paper and mica capacitors．Capacity，leakage resistance and breakdown to assure dependable perform． ance．Avaliable in the following values．Shpg． wt． 201.


Make Lafayette Your One Dependable Source for Everything in Electronics

# Quality Capacitors For The Serviceman 

## PORCELAIN CASED TUBULAR CAPACITORS

 VALUE PACKED KITSRated 600 W.V.D.C.<br>Tested At 3 Times Worting Voltaze Exceptiomally Resistant To Hizh<br>Temperatures and Molisture

as low as 275

| $\begin{aligned} & \text { KIT } \\ & 800 Y \end{aligned}$ | $\begin{aligned} & 100 \\ & 0 \mathrm{CC} \end{aligned}$ | KIT OF 50 600 V Y V DC |  |
| :---: | :---: | :---: | :---: |
| 9TY. | MFD. | ATY. | MFD. |
| 10 | . 001 | 5 | .001 |
| 10 | . 002 | 5 | 102 |
| 10 | . 003 | 5 | . 003 |
| 20 | . 01 | 10 | . 01 |
| 20 | 02 | 10 | . 12 |
| 20 | . 05 | 10 | $\pm 8$ |
| 10 | 1 | 5 | 1 |

es w 8112 Ktt of 50 . shpe. wt., $3 / 4 \mathrm{mp}$.


Net 2.75

## LAFAYETTE METAL CASED OIL FILLED TUBULAR CAPACITORS

- Exceptional capacitance
stallilty
- $10 \%$ Tolerance
- High imsulation realstance

- Wide temparature rage

These oll-filied and oll imprequated paper capacitors are manufactured to high atanderds. Feature 10\% toferance. Operate efficiently from $-40^{\circ} \mathrm{C}$ to $+100^{\circ} \mathrm{C}$. Rucedly constructed in metal case with plastle Insulating outer sloev to withstand shock, voltage surge, moisture and other adverse operating conditions. Have low dielectric leakaze, fow power factor and exceptional capacitance stobility. Ushtweight, compact, made to remoer long service life. Ideal for replacement and original application in radio. TV and other olectronic equipment. Outside foll is clearly printed. Doubly tinned copperweld type leads are firmly attached to the case. Conservatively rated at 600 WVDC. Avg. shps. wt., 508. each. Imported.

| Stock No. | Cap. Mfd. | $\begin{aligned} & \text { size } \\ & \mathrm{D} \times \mathrm{L} \end{aligned}$ | Single | $\begin{gathered} \text { Met } \\ \text { Lots } \\ 10 \end{gathered}$ | $\begin{gathered} \text { Lets of } \\ 100 \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 99 H 6011 | . 001 | $9 / 32 \times 26 / 32^{\prime \prime}$ | . 09 | . 81 | 6.00 |
| 99 H 6012 | . 002 | $9 / 32 \times 26 / 32^{\prime \prime}$ | . 09 | . 61 | 6.00 |
| 99 H 6013 | . 005 | $9 / 32 \times 27 / 32^{\prime \prime}$ | . 09 | . 61 | 6.00 |
| 99 H 6014 | . 01 | 9/32 $\times 27 / 32^{\prime \prime}$ | . 10 | 1 | 6.50 |
| cs H 015 | . 02 | $10 / 32 \times 27 / 32^{\circ}$ | . 11 |  | 7 - |
| \% W 4018 | . 05 | $13 / 22 \times 1{ }^{\prime \prime}$ | . 12 | 1.03 | 9.50 |
| - H 217 | . 1 | 15/32×1食 | . 14 | 1.28 | 11.40 |

## WIDE RANGE ELECTROLYTIC CAPACITOR

## - Replaces $A$ Host of Pepalar Combinations

compact cith which provides exact electrical replacement for 8 original standard 150 VDCW capacitors used principally in printed circult home radio receivers. Can also be used for many combinations of capacitance within its ratincs to repthee both single and dual cypecitance units. $1^{-1} \mathrm{dia} . \times 2 \mathbf{2 1}^{\prime 2}$ ".


A fine selection of 48 cermule disc type capacitors. Values included renge from 001 mfd to 2 mmild , Voltage ratings range from 50 to 5000 voits DC. Ideal selection for servicemen, builders and experimenters. Shpg. wt., 4 az.
32 H 6002
. 001 MFD- 400 VOLT SPECIAL


Special offering! Twenty-five .001 mfd .400 volt molded plastic capacitors. Stock up now on this popular value. Shpg. wt., 6 oz . 32 H 0128
$60-40 \mathrm{mtd}$. $80-50 \mathrm{mtl}$ Net 1.11

## ECONOMY TUBULAR ELECTROLYTICS

Lafayette eloctrolytic capacitors are speciffeally designed for service replacement applications. All single electrolytics are hermetically sealed in aluminum cans with outer cardboard insulating sleeves and have solid tinned copper eads. Dual and triple section olectrolytics have wax impregnated cardboard tubes with moumting strap, and coior coded insulated flowithe leads. Arg. shps. wt., 4 oz .


| Stock No. | Mfd. | w.v. | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ | Met Eact in Lots of 10 |
| :---: | :---: | :---: | :---: | :---: |
| 32 H 010 | 10 | 25 | 25 | . 23 |
| 32 H 0111 | 25 | 25 | 27 | . 24 |
| 32 W 0112 | 20 | 150 | . 32 | 24 |
| 32 W 0113 | 40 | 150 | . 38 | 24 |
| 32 H 0138 | 150 | 150 | . 57 | 51 |
| 32 H 0114 | 8 | 450 | 37 | \% |
| 32 H 0115 | 20 | 450 | . 4 | 硉 |
| 32 W 0118 | 40 | 450 | . 5 | 4 |
| 32 CH 0137 | 80 | 450 | . 5 | . 76 |
| 32 M 0138 | 100 | 450 | . 33 | . 84 |
| Dual Section Tubular Electrelytic. |  |  |  |  |
| 32 H 0117 | 20-20 | 150 | . 35 | 32 |
| 32 H 0118 | 30-30 | 150 | 37 | 33 |
| 32 H 0119 | 40-40 | 150 | . 40 | . 36 |
| 32 H 0120 | $50-30$ | 150 | . 38 | 34 |
| 32 H 0121 | $50-50$ | 150 | . 45 | . 40 |
| 32 H 013 | $80-50$ | 150 | . 50 | . 45 |
| 32 H 0140 | 100-50 | 150 | . 55 | 49 |
| Triple Section Tubular Electrelvtic |  |  |  |  |
| 32 H 0141 | 40-40-20 | 150 | . 55 | 49 |
| 32 H 0142 | 50-30-20 | 150 | 55 | 49 |
| 32 H 0143 | 80-40-20 | 150 | . 0 | 54 |

LAFAYETTE MYLAR "TITANEX" 75 VOLT MICRO-MINIATURE CERAMIC CAPACITORS

- $\pm 10 \%$ Tolerance - Tested to Worting Voltage $\times 250 \%$


Pressure molded, solid block construction. Excoptional humidity resistance. OwFont MYLAR polyester thlm dielectric. Resin dip insulation. Desioned for circults requirint extremely small stable compo-nents-lded for printed or transistor circuitry. Temperature range from - $25^{\circ} \mathrm{C}$ to $85^{\circ} \mathrm{C}$ without derating. All are rated at $75 \mathrm{~W} . \mathrm{V}$. D.C. shps. wt., 2 az. Imported.

YSWVDC RECTANGULAR TYPE (Fis. A)

| Stock No. | Cap, Mfd. | $w \times T \times W$ | 1-8 | 10-1 | 100 Up |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 99 H 6059 | . 0005 | $5_{2} x^{2} / 4 x^{13 / 32}$ | . 13 | . 11 | . 09 |
| 99 H coed | . 001 | S7 $x^{2} / 4 x^{13} / 32$ | . 13 | . 11 | . 09 |
| 99 H 6061 | . 002 | $53_{2} x^{2} / 44^{13 / 2}$ | . 13 | . 11 | . 09 |
| 99 H 6062 | . 005 | $8_{2} \times{ }^{-1 / 4} \times 13_{2}$ | . 13 | . 11 | .09 |
| 99 H 6063 | . 01 | $\gamma_{0} \times 1.10 \times 16$ | . 15 | . 11 | . 10 |
| 99 H 6054 | . 02 | \% $10 x^{1 / 4} \times^{13} / 82$ | . 15 | . 18 | . 10 |
| 99 H 6065 | . 05 | ${ }^{18} 92 \times 1 / 6 \times 1 / 2$ | 24 | . 21 | . 17 |
| 99 H 5068 | . 05 | $3 / 8 \times 1 / 8 \times 158$ | . 24 | 21 | . 17 |
| 99 H 6069 | . 1 | $11_{22} \times 1 / 4 \times 3 / 8$ | . 36 | .32 | .26 |
| 99 H 6067 | . 25 | $5 / 8 \times 3 / 0 \times 5 / 8$ | . 48 | 48 | . 34 |


| $99 \mathrm{H}-037$ | . 000002 | 11/4 dia. $\times 1 /{ }^{\prime \prime}{ }^{\prime \prime}$ th. .13 | . 11 | . 09 |
| :---: | :---: | :---: | :---: | :---: |
| 99 H 6088 | . 00002 | Sp dia. x 1/6" th. .13 | . 11 | . 09 |
| 99 H 6089 | . 0001 | 327 dis. $\times$ \% $4^{\prime \prime}$ th. 13 | . 11 | . 09 |
| 99 H 6090 | . 04 |  | 21 | . 17 |

## KIT OF 50 ASSORTED <br> MICA CAPS. <br> KIT AS

A kit of popular mica
capacitors for sorvice.
men. Contains 50 pepular sizes. A handy as sertinent for any sarvice shop or experiment. Shpt. wt., 2 me
347201

## Cornell-Mallory-Sprague-Aerovox-Electrolytics

CORNELL BLUE BEAVER
Cornell Dubilier types BBR. BR and BBRD are dry electrolytics in compact aluminum cases. Highest quality for TV general re. placement with extra safety for high surge voitages in power supplies. Very low leaz. age. Dperating 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 TV.radio and Ren. erat replacement in electronic circuitry. Low leakage and built-In safety tactors against high voitage surges. Operating temperature up to $85^{\circ} \mathrm{C}$.

## SPRAGUE "ATOMS"

Sprague types TVA and TV are dry elec. troiytics in extremely compact metal cases. They are designed to withstand high surge voitages and high ripple currents making them ideal for TV replacements, power supplies, etc. Leakage is very tow. Efficient at temperatures up to $85^{\circ} \mathrm{C}$.

## AEROVOX DANDEE

Aerovox type PRS are dry electrolytic in compact aluminum cases. Dependable re. placements for TV and all electronic equlp ment when a quality unit is required. Feature low leakage high voltage surge protection and operating temperature up to $85^{\circ} \mathrm{C}$.

| StockNo. | $\begin{gathered} \text { Cap } \\ \text { PFD. } \end{gathered}$ | it ench in lots of |  |  |  | $\begin{aligned} & \text { Stock } \\ & \text { No. } \\ & \hline \end{aligned}$ | ${ }_{\text {cappo }}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | w.v. | 1.24 | ${ }_{49}^{25}$ |  |  |  | w.v. | 1.2 | ${ }_{49}$ |  |
| ${ }^{1} 1508$ | 1000 | 3 | 1.05 | 82 | . 65 | 34 H 5543 |  | 50 |  |  | 5 |
| ${ }^{\text {H } 75}$ | 2000 | 4 | 1.38 | 93 | 72 | 34 H 544 | 100 | 150 | 1.05 | 75 | 5 |
| H551 | 50 |  | 57 | 41 | 32 | 34 H | 150 | 150 | 1.14 | . 82 | 64 |
| 551 | 250 |  | . 81 | -50 | 39 <br> 50 | 34 H 34 3 | 200 | 15 | ${ }_{1}^{1.38}$ | . 23 | 7 |
| 551 | 500 |  | . 93 | 73 | 57 |  | 4 | 250 | . 66 | 48 |  |
| 55 | 1000 |  | 1.14 | . 8 | 70 | 33 | 5 | 250 | . 69 | 49 | 37 |
| 750 |  |  |  | . 98 | . 76 |  | 8 | 250 | . 69 | 54 |  |
| H 7 |  | 6 | 1.38 | 1.08 | . 84 |  | 10 | 250 | 72 | . 56 |  |
|  | 100 | 12 | . 72 | 52 | . 40 |  | 12 | 250 | . 75 | . 57 |  |
| 34 <br> 34 <br> 347505 <br> 17506 | ${ }^{250}$ | 12 | . 87 | . 68 | . 53 | 34 H 554 | 16 | 250 | 78 | 60 | 4 |
| H 75 | 1000 | 12 | ${ }^{1.02}$ |  |  | 15 |  |  |  |  | 5 |
| H 55 | 100 |  | . 75 | ${ }^{1.05}$ | 41 | 34 H 555 |  | 250 | ${ }_{93}$ | . 74 | 57 |
| 33 H 150 | 200 | 5 | . 90 | . 67 | . 55 | 15 |  | 25 | . 02 | . 81 | 6 |
| 55 | 250 | 15 | . 93 | . 74 | . 60 | 34 H 555 | 60 | 250 | 1.08 | . 84 | . 6 |
| H ${ }^{\text {H }} 5$ |  |  | 1.05 | . 83 | . 64 | 34 ${ }^{34} 5$ |  | 350 | 63 | 49 | 36 |
| ${ }_{\text {H }} 551$ | 1000 |  | 1.38 | $1 . .7$ | . 84 |  |  | 350 350 | . 72 | 55 |  |
| H 562 | 30 | 15 | 2.37 | 1.82 | 1.42 | 34 H 751 | ${ }^{8} 8$ | ${ }^{350}$ | 72 | . 59 | . 46 |
| H 562 | 4000 | 15 |  |  |  | H555 | 12 | 350 | 78 |  | 4 |
| 56 | 5000 |  | 3.15 | 2.45 | 1.91 | 34 34 |  | 350 <br> 350 | 88 |  | . 51 |
| Her ${ }^{\text {H402 }}$ |  |  |  | . 32 | . 31 | 34 H 75 |  |  |  |  | . 5 |
| H 7508 | 10 | 25 | . 60 | . 42 | ${ }^{.32}$ | 55 | 30 | 350 | 99 | . 77 | . 60 |
| H 7509 |  | 25 | . 60 | . 43 | . 35 | 34 H <br> 34 <br> 34 | 5 | 350 | 1.05 | . 80 | . 6 |
| H551 |  |  | . 60 | . 43 | . 35 | 34 H 753 | 60 | 350 <br> 350 | 1.11 | . 87 | . 71 |
| 552 |  | 25 |  |  |  | 34 H 556 | 1 | 450 | 66 | . 51 |  |
| 5522 | 100 | 25 | . 81 | . 58 | . 45 | 34 H 5562 | 2 | 450 | 66 | . 52 | . 41 |
| 52 | 250 | 25 | 1.02 | 79 |  | $34 \mathrm{H55}$ |  | 450 | 69 | 54 | . 42 |
| H 552 |  | 25 | 1.38 | 1.77 | ..$^{4}$ | 34 H 556 |  | 450 | 75 | . 60 |  |
| H 562 | 2000 |  | 2.91 | 2.75 | 1.39 | 34 | 12 | 450 | . 78 | 60 |  |
| 1510 | 1 | 50 | . 54 | . 39 | . 30 | 34 <br> 34 | 12 |  | 81 | 64 |  |
| 55 |  |  | . 54 | . 3 | . 31 | 34 | ${ }_{20}^{16}$ | 450 | ${ }_{93}$ | 73 | 57 |
| H 55 | 5 |  | . 60 | . 42 | . 32 | 34.55 | 30 | 450 | 1.02 | ${ }_{80}$ | . 63 |
| 34 H 751 |  |  | . 60 |  | . 31 | 344 55 | ${ }^{40}$ | 450 | . 08 | ${ }^{83}$ | . |
| 55 | 25 | 50 | . 63 | . 44 | . 34 |  | 50 | 450 | 1. 2 |  |  |
| H 7512 |  |  |  |  |  | 34 $34 \mathrm{H557}$ |  | 450 | 1.41 | 1.11 | ${ }_{87} 9$ |
| 34 H 5528 34 H 559 | 15 | 50 | 84 | . 65 | . 47 | ${ }^{34} 4751$ | 100 | 450 | 1.92 |  | 31 |
| H5529 | 15 |  | . 93 | . 66 | . 51 | 34 H 8403 | 10 | 475 | . 81 |  |  |
| 34 H5530 | 250 | 50 | 1.05 | . 83 | 64 | 34 H 840 | 20 | 475 | . 96 | . 75 | 58 |
| 34 3 H5937 |  | 50 | 1.44 | 1.11 | . 86 | ${ }^{34}{ }^{34} \mathrm{H} 5573$ | 4 | 500 | 72 | 53 | 43 |
| ${ }^{\mathrm{H}} 5818$ | 1500 | 50 | ${ }_{3.00}^{2.52}$ | 2.26 | 1.49 | 34 34 H 7519 | ${ }_{10}^{88}$ | 500 | . 18 |  | 50 |
| ${ }^{\mathrm{H}} \mathrm{H}_{\mathrm{H} 519}$ |  | 50 | 3.48 | 2.60 | 2.02 | 34 H 5575 | 12 | 500 | . 84 | . 64 | ${ }_{51}$ |
| ${ }^{\text {H }} 51532$ | ${ }_{5}^{4}$ | 150 | 60 | . 43 | . 33 | 34 H 5576 | 16 | 500 | . 90 | . 70 | . 5 |
|  |  |  |  | 5 | . 34 | 34 H 5 |  |  | 96 |  |  |
| ${ }_{553}^{553}$ | 8 | 150 | ${ }_{63}^{63}$ | ${ }_{46}$ |  |  | $\begin{array}{r} 30 \\ 8 \end{array}$ | 60 | 1.05 | . 79 | 65 |
| 34 H 5535 | 12 | 150 | . 66 | ${ }^{4} 48$ | . 35 | 34 H 558 O | ${ }_{10}$ | 600 | ${ }_{2.19}$ | ${ }_{1}^{1.64}$ | ${ }_{28}$ |
| 5536 |  | 150 | . 6 | . 49 | . 38 | 34 H 55 | 12 |  |  | 1.43 |  |
|  | 20 | 150 | . 72 | . 50 | . 39 | 34 | 16 | 60 | . 4 |  |  |
| 539 | 25 | 150 | 75 | . 5 | 41 | ${ }^{34} \mathrm{H} 7520$ | 20 | 60 | 2.58 | 1.93 |  |
| H 5540 | 40 | 150 | . 78 | -58 | 43 | 34 ${ }^{3} 55583$ | 8 | 700 | 1.74 | 1.33 |  |
| 55 |  | 150 | 81 | . 68 |  | 34 <br> 34 | 10 |  | . 83 | 1.40 | 9 |
| H 5542 | 60 | 150 | ${ }_{90}$ | ${ }_{6} 6$ | 49 |  | 16 | 700 | ${ }_{2.10}$ | 1.59 | 5 |

## STANDARD BRANDS

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 specifled. if available in the size desired. Avg. shpr. wt., 5 ozs.
please see next page for triple and QUAD. UNITS.

## OUAL SECTION

| Stock No. | Cap. MFD. | NETEACH IN LOTS OF |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | w.v. | 1.24 | ${ }^{259}$ | 50. 99 |
| 34 H 7521 | 10.10 | 25 | . 96 | 72 | . 56 |
| 34 H 5588 | 20-20 | 25 | . 6 | . 64 |  |
| 33 H 1516 | 25-25 | 25 | 1.00 | . 77 | , |
| 34 H 5589 | 10-10 | 50 | . 96 | . 73 | 57 |
| 34 H 7522 | $8-8$ | 150 | 99 | 75 | . 58 |
| 34 H 7523 | 8.16 | 150 | . 93 | . 69 | . 57 |
| 34 H 8405 | 16-16 | 150 | 1.08 | 78 | 61 |
| 34 H 5590 | 20.10 | 150 | . 93 | . 71 | 57 |
| 34 H 8406 | 20.12 | 150 | 1.05 | 78 | 1 |
| 34 H 5591 | 20.20 | 150 | 1.05 | 0 |  |
| 34 H 5592 | 30.20 | 150 | 1.02 | 79 | 61 |
| 34 H 5593 | 30-30 | 150 | 1.08 | 85 | . 66 |
| 34 H 5594 | 40-20 | 150 | 1.14 | . 84 |  |
| 34 H 5595 | 40-30 | 150 | 1.08 | . 66 | 7 |
| 34 H 5596 | 40.40 | 150 | 1.11 | . 88 | 9 |
| 34 H 5597 | 50.30 | 150 | 1.17 | . 88 | 9 |
| 34 H 5598 | 50.50 | 150 | 1.26 | . 93 | 72 |
| 34 H 8407 | 80-30 | 150 | 1.32 | . 94 | . 73 |
| 34 H 5599 | 80.40 | 150 | 1.32 | . 96 | 75 |
| 34 H 7524 | 80 50 | 150 | 1.41 | . 99 | 7 |
| 34 H 560 | 100-100 | 150 | 1.92 | 1.32 | 1.03 |
| 34 H 7525 | 8.8 | 200 | 90 | . 68 | . 56 |
| 34 H 7526 | 8.16 | 200 | 96 | . 75 | . 58 |
| 34 H 7527 | 16.16 | 200 | 1.02 | . 77 | . 60 |
| 34 H 7528 | 30.30 | 200 | 1.29 | . 88 | 58 |
| 34 H 5602 | 8.8 | 250 | 1.09 | .77 | . 66 |
| 34 H 7 7529 | 10.10 | 250 | . 99 | . 75 | 8 |
| 34 H 5603 | 16-8 | 250 | 1.02 | . 81 | 61 |
| 34 H5604 | 16-1 | 250 | 1.02 | . 76 | . 63 |
| 34 H 5605 | 20-20 | 250 | 1.11 | . 88 |  |
| 34 H 5606 | 30.30 | 250 | 1.35 | 95 |  |
| 34 H 8409 | 40.10 | 250 | 1.23 | . 94 | 73 |
| 34 H 5607 | 75-20 | 250 | 1.56 | 1.18 |  |
| 34 H 8410 | 80.10 | 250 | 1.53 | 1.35 | 1.23 |
| 33 H 1517 | 10.10 | 350 | 1.12 | 88 | 69 |
| 33 H 1526 | 20-20 | 350 | 1.44 | 1.10 | 88 |
| 34 H 5608 | 8 -8 | 450 | 1. 17 | . 88 |  |
| 34 H 7530 | $10 \cdot 10$ | 450 | 1.23 | . 92 | 72 |
| 33 H 1518 | 15-15 | 450 | 1.35 | 97 | 75 |
| 34 H 5609 | 16.8 | 450 | 1.32 | . 98 | . 76 |
| 34 H 5610 | 16-16 | 450 | 1.35 | 1.06 | 82 |
| 34 H 5611 | 20.20 | 450 | 1.50 | 1.19 | 92 |
| 34 H 5612 | 30.30 | 450 | 1.95 | 1.46 | 1.13 |
| 34 H 7531 | 40.20 | 450 | 1.77 | 1.33 | 1.09 |
| 34 H 5613 | 40-40 | 450 | 2.25 | 1.69 | 1.4 |
| 34 H 7532 | 50.30 | 450 | 2.04 | 1.90 | 1.4 |

OUAL UNITS
SEPARATE SECTIONS

| Stock No. | Cap. MFD. | NET EACH IN LOTS OF |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | W.V. | $1-24$ | $\begin{aligned} & 25 \\ & 49 \end{aligned}$ | $\begin{aligned} & 50 . \\ & 99 \end{aligned}$ |
| 34 H 5614 | 15-15 | 150 | 1.37 | 1.14 | 89 |
| 34 H 5615 | $20 \cdot 20$ | 150 | 1.68 | 1.10 | . 85 |
| 34 H 5616 | $30 \cdot 30$ | 150 | 1.55 | 1.29 | 1.00 |
| 34 H 5617 | 40.20 | 150 | 1.77 | 1.32 | 1.03 |
| 34 H 5618 | 40.40 | 150 | 1.63 | 1.36 | 1.06 |
| 33 H 1541 | 70-70 | 175 | 2.00 | 1.68 | 1.31 |
| 33 H 1523 | 10-10 | 250 | 1.55 | 1.31 | 1.01 |
| 34 H 7540 | 16-16 | 250 | 1.71 | 1.28 | 1.00 |
| 33 H 1519 | 20-20 | 250 | 1.78 | 1.50 | 1.17 |
| 33 H 1524 | 8 -8 | 350 | 1.55 | 1.30 | 1.01 |
| 34 H 7534 | 8-8 | 450 | 1.86 | 1.39 | 1.08 |
| 33 H 1520 | 15-15 | 450 | 1.87 | 1.52 | 1.22 |
| 34 H 7536 | 16-16 | 450 | 1.68 | 1.10 | . 85 |
| 33 H 1521 | 20-20 | 450 | 2.03 | 1.71 | 1.32 |

Listing of triple and quadruple section
electrolytics. continues on next page.

# Standard Brand Tubulars Electrolytics-Molded Tubulars 

## STANDARD BRANDS

Because no one manufacturer offers all sizes, 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. We will supply any particular manufacturers brand specified, If available in the slize desired. Avg. shpg. wt., 5 ors.
TUBULAR ELECTROLYTICS continued from facing page

| TRIPLE SECTION |  |  | Net Each in Lots of |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 25. | 50. |
| Stock No. Cap. Mfd. |  | W.v. | 1.24 | 49 | 99 |
| 33 H 1527 | 20-10-10 | 150 | 1.70 | 1.41 | 1.09 |
| 34 H 5631 | 20-20-20 | 150 | 1.77 | 1.32 | 1.03 |
| 34 H 7542 | 30-20-10 | 150 | 1.51 | 1.14 | . 88 |
| 34 H 5632 | 30-25-20 | 150 | 1.80 | 1.36 | 1.06 |
| 34 H 7543 | 30-30-20 | 150 | 1.87 | 1.37 | 1.06 |
| 34 H 5633 | 30-30-30 | 150 | 1.86 | 1.39 | 1.08 |
| 34 H 5634 | 40-20.20 | 150 | 1.80 | 1.36 | 1.06 |
| 34 H 5635 | 40-30-20 | 150 | 1.86 | 1.38 | 1.08 |
| 34 H 5636 | 40-40-20 | 150 | 1.86 | 1.40 | 1.09 |
| 34 H 5637 | 40-40-40 | 150 | 1.92 | 1.44 | 1.12 |
| 34 H 7544 | 50-30-10 | 150 | 1.58 | 1.19 | . 93 |
| 34 H 7545 | 50-30-20 | 150 | 1.89 | 1.40 | 1.09 |
| 34 H 5638 | 80-40-20 | 150 | 1.98 | 1.49 | 1.16 |
| 33 H 1528 | 80-50-50 | 150 | 2.10 | 1.79 | 1.39 |
| 34 H 5639 | 20-20-20 | 150/25 | 1.74 | 1.30 | 1.01 |
| 34 H 7546 | 30-20-20 | 150/25 | 1.50 | 1.13 | . 88 |
| 14 H 564 n | 30.20-100 | 150/25 | 1.41 | 1.30 | . 98 |
| 34 H 5641 | 30-30-20 | 150/25 | 1.32 | 1.24 | . 96 |
| 34 H 5642 | 40.20-20 | 150/25 | 1.80 | 1.33 | 1.04 |
| 34 H 5643 | 40-30-20 | 150/25 | 1.80 | 1.35 | 1.05 |
| 34 H 5644 | 40-40-20 | 150/25 | 1.86 | 1.38 | 1.08 |
| 34 H 7547 | 40-40-100 | $150 / 25$ | 1.92 | 1.44 | 1.12 |
| 34 H 5645 | 40-40-250 | 150/10 | 1.95 | 1.46 | 1.13 |
| 34 H 5646 | $50-30.20$ | 150/25 | 1.86 | 1.38 | 1.07 |
| 34 H 5647 | 50-30-100 | 150/25 | 1.92 | 1.44 | 1.12 |
| 34 H 5648 | $50 \cdot 30-200$ | 150/10 | 1.33 | 1.33 | 1.06 |
| 33 H 1529 | 50-30-200 | 150/25 | 2.72 | 1.67 | 1.30 |
| 34 H 5649 | 50-30-250 | 150/25 | 1.86 | 1.48 | 1.13 |
| 34 H 5650 | 50-50-20 | 150/25 | 1.89 | 1.42 | 1.10 |
| 34 H 5651 | $80-20 \cdot 100$ | 150/25 | 1.89 | 1.41 | 1.10 |
| 34 H 5652 | $80.40 \cdot 20$ | 150/25 | 1.95 | 1.45 | 1.13 |
| 34 H 5653 | 20-20-20 | 250/25 | 135 | 1.28 | . 98 |
| 34 H 5654 | 40-20-20 | 250/25 | 1.53 | 1.36 | 1.04 |
| 34 H 5655 | 40-40-20 | 250/25 | 1.74 | 1.44 | 1.09 |
| 34 H 5656 | 75-40-10 | 250 | 2.07 | 1.59 | 1.22 |
| $33 \mathrm{H} 1530 \quad 40-30-40$ |  | $\begin{aligned} & 350 / 250 \\ & 150 \end{aligned}$ | $01$ $2.86$ |  | $58$ |

$\begin{array}{llllllllllll}34 & \text { H } 8476 & 12-12.20 & 450 / 25 & 2.10 & 1.58 & 1.23\end{array}$ $\begin{array}{llllllll}34 & \text { H } & 5658 & 16-16.16 & 450 & 1.166 & 1.57 & 1.20\end{array}$ $\begin{array}{llllllllllllllll} & 14 & \text { H } 5659 & 20-20-20 & 450 / 25 & 2.61 & 1.94 & 1.51\end{array}$ 33 H 1531 30-50-100 450/150/

$\begin{array}{lllllll}33 \text { H } 1533 & 40-20-10 & 450 & 2.64 & 2.24 & 1.63\end{array}$

QUADRUPLE UNITS 1.24 | $25-$ | $50-100$. | 19 |
| :---: | :---: | :---: |
| 99 | 249 |  | Stock No. Cap. Mid. W.V.

34 N 5660 30-30-20-20 150/25
$1.74 \quad 1.49 \quad 1.14 \quad .91$ 14 H 5661 40-20-20-20 150/25
$1.71 \quad 1.49 \quad 1.14 \quad .91$
 34 H 5663 40-40-30-20 150/25
$\begin{array}{llll}1.80 & 1.55 & 1.18 & .94\end{array}$ 34 H 5664 50-50-50-20 150/25
$\begin{array}{llll}2.07 & 1.63 & 1.24 & .99\end{array}$
34 H $5665 \quad 20-20-20-20 \quad 450 / 25$
$\begin{array}{lllll}2.43 & 1.96 & 1.48 & 1.19\end{array}$

high voltage molded capacitors |  | Cap. |  | 1. | 25 | 50 | $100-$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Stock Mo. | Mid. | W.V. | 24 | 49 | 99 | 249 | $\begin{array}{lllllll}34 & \text { H } 7548 & .0005 & 6000 & .84 & .47 & .37 \\ .29\end{array}$ 34 H 7549.001 34 H 7550 . 005 $\begin{array}{llllllllll}34 & \text { H } & 7551 & .0005 & 10000 & .90 & .52 & .41 & .33\end{array}$




| Stock No. |  |  |  |  |  | 600 VOLTS DC WORKING |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | NET EACH IN LOTS OF |  |  |  | Stock No. | Cap. MId. | HET EACH IN LOTS OF |  |  |  |
|  | Cap. | 1. | 25. | 50. |  |  |  | 1. | 25. |  | 100. |
|  | Mfd. | 24 | 49 | 99 | 249 |  |  | 24 | 49 | 99 | 249 |
| 34 H5666 | . 02 | 18 | . 13 | 10 | . 08 | 34 H 7571 | . 0001 | . 18 | . 12 | . 10 | 08 |
| 34 H 5667 | . 047 | . 21 | . 14 | . 11 | . 09 | 34 H 7572 | . 00025 | . 18 | .12 | . 10 | . 08 |
| 34 H 5668 | . 05 | 21 | . 15 | . 11 | . 09 | 34 H 7573 | . 00004 | . 18 | . 12 | . 10 | . 08 |
| 34 H 5669 | . 1 | . 21 | . 16 | . 12 | . 10 | 34 H 7574 | . 0005 | . 18 | . 12 | . 10 | . 08 |
| 34 H 5670 | . 15 | 24 | . 18 | 14 | . 11 | 34 H 5709 | . 001 | . 18 | . 12 | . 10 | . 08 |
| 34 H 5671 | 22 | . 33 | . 24 | . 18 | . 15 | 34 H 5710 | . 0015 | . 18 | . 12 | . 10 | . 08 |
| 34 H 56772 | . 25 | . 36 | . 25 | . 20 | . 16 | 34 H 7575 | . 002 | . 18 | . 13 | . 10 | . 08 |
| 34 H 7553 | . 33 | . 33 | . 20 | . 16 | . 15 | 34 H 5711 | . 0022 | . 18 | .13 | . 10 | 08 |
| 34 H 5673 | . 47 | . 42 | . 31 | . 24 | . 19 | 34 H 8513 | . 0025 | . 18 | .13 | . 10 | . 08 |
| 34 H 5674 | 5 | . 75 | . 54 | . 42 | . 34 | 34 H 7576 | . 003 | . 18 | . 13 | . 10 | . 08 |
| 34 H 5675 | 1.0 | 1.05 | . 79 | . 61 | . 49 | 34 H 5712 | . 0033 | . 18 | . 13 | . 10 | . 08 |
|  |  |  |  |  |  | 34 H 7577 | . 004 | . 18 | . 12 | . 10 | . 08 |
| 400 VOLTS OC WORKING |  |  |  |  |  | 34 H 5713 | . 0047 | . 18 | . 14 | . 11 | . 09 |
|  |  | NET EACH IN LOTS OF |  |  |  | 34 H 5714 | . 005 | . 21 | . 14 | . 11 | . 09 |
|  | Cap. | 1. | 25. | 50. | 100. | 34 H 7578 | . 006 | .21 | 14 | . 11 | . 09 |
| Stock No. | Mid. | 24 | 49 | 99 | 249 | 34 H 5715 | . 0068 | . 21 | . 14 | . 11 | . 09 |
| 34 H7554 | . 001 | . 10 | . 12 | . 10 | . 07 | 34 H 8514 | . 008 | .18 | . 14 | . 11 | . 08 |
| 34 H 8512 | . 005 | . 18 | . 13 | . 10 | . 08 | 34 H 5716 | . 01 | . 18 | . 14 | . 11 | . 08 |
| 34 H 7555 | . 0068 | . 15 | . 14 | . 12 | . 11 | 34 H 5717 | . 015 | . 21 | . 14 | . 11 | . 09 |
| 34 H 5676 | . 01 | . 18 | . 12 | . 10 | . 08 | 34 H 7581 | . 02 | 21 | . 15 | . 12 | . 09 |
| 34 H 7558 | . 02 | . 18 | . 13 | . 10 | . 08 | 34 H 5718 | 022 | . 21 | . 15 | . 12 | . 09 |
| 34 H 5677 | . 022 | 18 | . 12 | . 09 | . 08 | 34 H 7582 | . 025 | 21 | . 16 | . 12 | . 10 |
| 34 H 7559 | 025 | . 21 | . 14 | . 11 | . 09 | 34 H 7864 | . 03 | . 21 | . 16 | . 12 | . 10 |
| 34 H 7560 | . 03 | . 21 | 14 | . 11 | . 09 | 34 H 5719 | . 033 | . 21 | . 16 | . 12 | . 10 |
| 34 H 7561 | . 033 | . 18 | . 15 | . 13 | . 12 | 34 H 8515 |  | . 24 | . 17 | . 13 | . 11 |
| 34 H 7562 | . 04 | 21 | . 15 | . 12 | . 09 | 34 H 7583 | . 04 | . 24 | . 17 | . 13 | . 11 |
| 34 H 5678 | . 047 | . 21 | . 15 | . 12 | . 09 | 34 H 5720 | . 047 | . 24 | . 17 | . 13 | . 11 |
| 34 H 5679 | . 05 | . 24 | . 17 | . 13 | . 11 | 34 H 5721 | . 05 | . 27 | . 20 | . 15 | . 12 |
| 34 H 5680 | . 068 | . 24 | .17 | . 13 | .11 | 34 H 7584 | . 06 | . 27 | . 20 | . 15 | . 12 |
| 34 H 5681 | . 1 | 24 | . 18 | . 14 | 11 | 34 H 5722 | . 068 | . 27 | . 20 | . 15 | . 12 |
| 34 H 5682 | . 15 | . 33 | . 24 | . 19 | .15 | 34 H 5723 | . 1 | . 33 | . 23 | . 18 | . 14 |
| 34 H 7563 | . 2 | . 36 | . 25 | . 20 | . 16 | 34 H 7586 | .15 | . 45 | . 33 | . 25 | . 20 |
| 34 H 5683 | 22 | . 36 | 25 | . 20 | . 16 | 34 H 7587 |  | . 60 | . 44 | . 34 | . 27 |
| 34 H 5684 | . 25 | . 54 | . 39 | . 30 | . 24 | 34 H 5724 | . 22 | . 60 | . 44 | . 34 | . 27 |
| 34 H 5685 | . 47 | . 63 | . 46 | . 36 | . 29 | 34 H 5725 | . 25 | 1.02 | . 75 | . 58 | . 46 |
| 34 H 5686 | 5 | . 75 | . 56 | . 44 | . 35 | 34 H 5 |  | . 02 | . 7 |  |  |
| 34 H 5687 | 1.0 | 1.26 | . 93 | .72 | . 58 | 34 H 5726 | . 47 | 1.05 | . 17 | . 60 | . 48 |
|  |  |  |  |  |  | 34 H 5727 | . 5 | 1.05 | . 17 | . 60 | .48 |
| 1000 VOLTS DC |  |  |  |  |  | 33 H 1534 | 1.0 | 1.38 | 1.02 | . 79 | . 63 |

1600 VOLTS DC WORKING
NET EACH IN LOTS OF

| Stock No. | Cap. Mid. | NET EACH IN LOTS OF |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1. | $\begin{aligned} & 25 \\ & 49 \end{aligned}$ | $\begin{aligned} & 50 . \\ & 99 \\ & \hline \end{aligned}$ | 100249 |
|  |  |  |  |  |  |
| 34 H 5729 | 001 | 21 | . 14 | . 11 | . 09 |
| 34 H 5730 | . 0015 | 21 | . 15 | . 12 | . 10 |
| 34 H 5731 | . 002 | . 24 | . 16 | . 13 | . 10 |
| 34 H 5732 | . 0022 | 24 | . 16 | . 13 | . 10 |
| 34 H 5733 | . 003 | . 27 | . 13 | . 14 | . 11 |
| 34 H 5734 | . 0033 | . 27 | . 18 | . 14 | . 11 |
| 34 H 5735 | . 004 | 27 | . 20 | . 16 | . 13 |
| 34 H 5716 | . 0047 | . 27 | . 20 | . 16 | 13 |
| 34 H 5737 | . 005 | 30 | 22 | . 17 | . 14 |
| 34 H 5738 | . 006 | . 30 | . 22 | . 17 | . |
| 34 H 5739 | . 0068 | . 30 | . 22 | . 17 | . 14 |
| 34 H 5740 | . 007 | . 39 | . 28 | . 22 | 1 |
| 34 H 5741 | . 0075 | . 19 | . 28 | 22 | 18 |
| 34 H 5742 | . 008 | . 39 | . 28 | . 22 | . 18 |
| 34 H 5743 | . 01 | . 39 | . 28 | . 22 | . 1 |
| 34 H 5744 | . 015 | . 42 | 30 | . 24 | . 19 |
| 34 H 5745 | . 02 | . 45 | . 33 | . 26 | 20 |
| 34 H 5746 | 022 | . 45 | . 33 | . 26 | . 20 |
| 34 H 5747 | 03 | . 63 | . 46 | . 16 | 29 |
| 34 H 5748 | . 04 | . 69 | . 51 | . 40 | . 32 |
| 14 H 5749 | . 05 | . 93 | . 68 | . 53 | . 42 |

# Twist Prong Capacitors 



| Stock No. | Mfd | DCWV | Size | $\begin{aligned} & \text { NET } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25.49 \\ & \hline \end{aligned}$ | Stock No. | Mrd. | DCWV Size | $\begin{gathered} \text { NET } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25-49 \end{aligned}$ | Stock No. | Afd. | ocwr | Size | $\begin{gathered} \text { NET } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 7593 | 200 | 15 | K | 2.0 | 1.4 | 34 H 7613* | 200 | 150 | 1.47 | 1.10 | 34 H 7630** | 150 | 350 | N | 2.37 | 50 |
| 34 H 8477 | 4000 | 15 | M | 2.25 | 2.20 | 34 H $7615^{*}$ | 300 | 150 | 1.68 | 1.25 | 34 H 7631 | 10 | 450 | c | . 93 | 65 |
| 34 H 7596 | 500 | 25 | c | 1.53 | . 87 | 34 H 5799** | 120 | 200 | 1.38 | 1.00 | 34 H 7632 | 20 | 450 | 6 | 1.08 | 72 |
| 34 H 7597 | 1000 | 25 | 1 | 2.13 | 1.30 | 34 H 7616 | 160 | 200 | 1.89 | 1.10 | $34 \mathrm{H} 7634{ }^{\text {c }}$ | 40 | 450 | - | 1.23 | 88 |
| 34 H 7599 | 100 | 50 | A | . 99 | . 58 | 34 H 7619 | 100 | 250 | 1.62 | . 89 | 34 H $7637^{*}$ | 80 | 450 | - | 1.83 | 1.31 |
| 34 H 7602 | 500 | 50 | 1 | 1.59 | 1.09 | 34 H 7620 * | 150 | 250 | 1.86 | 1.17 | 34 H 7638 | 100 | 450 |  | 2.07 | 1.47 |
| 34 H 7603 | 1000 | 50 | N | 2.25 | 1.49 | 34 H $8327^{*}$ | 160 | 250 | 1.86 | 1.20 | 34 H 7639 | 125 | 450 | a | 2.31 | 1.69 |
| $34{ }^{\text {H } 7604}$ | 1500 | 50 | 0 | 2.64 | 1.87 | 34 H 5801** | 200 | 250 | 2.19 | 1.36 | 34 H 7641 | 10 | 500 | c | 1.02 | . 68 |
| $34 \mathrm{H} 7600^{*}$ | 100 | 150 | 0 | 1.20 | . 75 | 34 H 7622 | 100 | 300 | 1.74 | . 98 | 34 H 7642 | 20 | 500 | 0 | 1.11 | . 78 |
| 34 H 7610** | 120 | 150 | 0 | 1.29 | . 92 | 33 H 1535 | 200 | 300 | 2.71 | 2.09 | $34 \mathrm{H} 7643^{*}$ | 30 | 500 | E | 1.20 | . 89 |
| 34 H 7611 | 140 | 150 | E | 1.29 | . 81 | 34 H 8478 | 250 | 300 | 3.33 | 1.74 | 34 H 7644 | 40 | 500 | G | 1.50 | . 99 |
| 34 H 7612. | 150 | 150 |  | 1.29 | 83 | 34 H 7628** | 80 | 350 | 1.71 | 1.10 | 34 H 7645 | 80 | 500 | N | 2.16 |  |
| 34 H 5798** | 150 | 150 | E | 1.29 | . 99 | 34 H 7629* | 125 | 350 | 2.37 | 1.37 | 34 H 7646 | 0 | 500 | N | 2.10 | 1.66 |
| DUAL SECTION TWIST PRONG |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Stock No. | mfd. | DCWV | Slize | $1-24$ | $\begin{aligned} & \text { EACH } \\ & 25-49 \end{aligned}$ | Stock No. | Cap. Mot. | OCWV size | $\begin{aligned} & \text { NET } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \mathrm{EACH} \\ & 25.49 \end{aligned}$ | stock No | Cap. Mfo. | DCWV | size | $1.24$ | $\begin{aligned} & \mathrm{ACH} \\ & 5-49 \end{aligned}$ |
| 34 H 5804 | $1000 \cdot 1$ | 15 |  | 2.64 | 1.54 | 34 H 7648 | 20-20 | 250 | 1.14 | . 78 | 34 H 7696 | 20-20 | 450 |  | 1.53 | 96 |
| 34 H 7668 | 50.50 |  |  | 1.02 | . 73 | 34 H 7649** | 40-40 | 250 | 1.50 | . 90 | 34 H 7697 | 30-10 | 450 |  | 1.44 | 96 |
| 34 H 7669. | 100.100 | 50 |  | 1.26 | . 81 | 34 H $7650^{\circ}$ | 200.200 | 250 | 3.63 | 2.05 | 34 H 7698 | 30-30 | 450 | $k$ | 1.83 | 1.26 |
| 34 H 7670* | 20.20 | 150 |  | 1.02 | . 73 | 34 H 5802 | 150-100 | 300.150 N | 2.70 | 1.59 | 34 н 7701 | 40-40 | 450 |  | 2.07 | 1.42 |
| 34 H 7672 | $30-30$ $40-20$ | 150 |  | 1.11 | . 76 | 34 H 7651 | $80-80$ | 300 350 | 2.43 | 1.45 | 34 H $7702^{\circ}$ |  | 450 | L | 2.31 | 1.56 |
| 34 34 34673 | $40-20$ $40-40$ | 150 |  | 1.11 | . 76 | 34 H 5803 | 80-20 | 350 | 2.10 | 1.32 | 34 H 7706 | 80.20 | 450 | N | 2.34 | 1.56 |
| 34 H 7676 | 50.30 | 150 |  | 1.20 | 80 | 34 H 7485 | 80-40 | 350 | 2.46 | 1.41 | 34 H 7707 | 80.40 | 450 |  | 3.03 | 1.72 |
| 34 н 7677* | 50-50 | 150 | 0 | 1.29 | . 83 | 34 H 8982 34 H 758 | $100-60$ $100-100$ | 350 350 | 2.88 3.69 | 1.80 | 34 H 7708 34 H 7710 | 100-40 | 450 475 |  | 2.91 | 1.88 .92 |
| 34 H 7678 | 60-60 | 150 |  | 1.41 | . 87 | 34 H 7659 | $160 \cdot 10$ | 350 | 2.58 | 1.65 | 34 H 7714 | 20.20 | 500 |  | 1.71 | 1.22 |
| 34 H 7679 | 70-30 | 150 |  | 1.32 | . 83 | 34 H 7661 | 80-80 | 400 | 2.97 | 1.90 | 34 H 7715 | 30-10 | 500 | K | 1.56 | 1.07 |
| 34 H $7681 *$ | 80.40 | 150 | 0 | 1.38 | 1.02 | 34 H 7662 | $120-40$ | 400 a | 3.15 | 1.88 | 33 H 1539 | $30 \cdot 30$ | 500 | L | 1.95 | 1.43 |
| 33 H 1537. | $80-50$ | 150 | 0 | 1.44 | 88 | 34 H 8328 | 80.2 | 450-350 K | 2.01 | 1.41 | 34 H 7716 | 40.40 | 500 | N | 2.58 | 1.63 |
| 34 H 7688* | $200-5$ | 200 | K | 1.83 | 1. | 34 H 7694 | 10-10 | $450 \quad \mathrm{C}$ | 1.14 | 81 | 34 H 7717 | 60.40 | 500 | N | 2.76 | , |

TRIPLE SECTION TWIST PRONG

| Stock No. | Cap. Mfd. | WVDC | Size | Ea, | Stock No. | Cap. Mfo. | WVDC | Size | Ea, | Stock No. | Cap. Mrd. | WVDC | Size | Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 7958* | 80-60-250 | 150-150-10 | K | 2.04 | 34 H 7987 | 125-5-100 | 350-200.75 | N | 3.18 | 34 H 7421 | 40-40-80 | 450-450-350 | Q | 3.33 |
| 34 H 7961 | 40-40-200 | 150.150-25 | E | 1.68 | 34 H 7990 | 20-10-20 | 350-350-25 | C | 1.53 | 34 H 7422 | 10.10-10 | 450 | 0 | 1.56 |
| 34 H 7963 | 50-30-20 | 150-150-25 | C | 1.50 | 34 H 7991 | 20-20-20 | 350-350-25 | 0 | 1.74 | 33 H 1540 | 20.10-10 | 450 | E | 1.74 |
| 34 H 7964 | 80-40-20 | 150-150-25 | 0 | 1.68 | 34 H 7993 | 80-40-100 | 350-350-200 | 1 | 3.27 | 34 H 7423 | 20-20-20 | 450 | K | 2.16 |
| 34 H 7966* | 40-20-20 | 150 | C | 1.44 | 34 H 7994 | 100.60-20 | 350-350-250 | 0 | 3.30 | 34 H 7424 | 30-20-20 | 450 | L | 2.31 |
| 34 H 7967 | 40-30-20 | 150 | C | 1.50 | 34 H 7998 | 20-20.20 | 400-400-25 | E | 1.71 | 34 н 7425 | 30-30-30 | 450 | $L$ | 2.61 |
| 34 H 7969 | 40-40-40 | 150 | 0 | 1.56 | 34 H 7404 | 100.10.80 | 400-400-350 | 0 | 3.66 | 34 H 7427 | 40-10-10 | 450 | L | 2.01 |
| 34 H 7971* | 50-50.50 | 150 | E | 1.80 | 34 H 7408 | 10-10-20 | 450-450-25 | c | 1.44 | 34 H 7428 | 40-30-20 | 450 | L | 2.58 |
| 34 H 7972 | 60-40-20 | 150 | 0 | 1.65 | 34 H 7409 | 20-20-20 | 450-450-25 | E | 1.83 | 34 H 7429 | 40-40-10 | 450 | L | 2.49 |
| 34 H 7973 | 80-40-20 | 150 | E | 1.74 | 34 H 7411 | 40-40-20 | 450-450-25 | L | 2.34 | 34 H 7433 | 40-40.20 | 450 | $N$ | 7 |
| 34 H 7977 | 60-5-20 | 200-200.50 | 0 | 1,50 | 34 H 7414 | 30-10-150 | 450-450-50 | K | 2.10 | 34 H | 40-40-40 | 450 | N | 4 |
| 34 H 7979 | 20-20.20 | 250 | C | 1.56 | 34 H 7416 | 40-40-100 | 450-450-50 | N | 2.58 | 34 | 60-40-20 | 450 | N | . 94 |
| 34 H 7980 | 40-20-20 | 250 | E | 1.74 | 34 H 7417 | 80-20-100 | 450-450-50 | Q | 2.88 | 34 H 7435 | 80-40-20 | 450 | 0 | 3.00 3.24 |
| 34 H 7982 | 140-100-60 | 300-300-50 | 0 | 3,63 | 34 H 7418 | 40-10-80 | 450.450.200 | L | 2.34 | 34 H 7437 | 40-20-20 | 475 | L | 2.85 |
| 34 H 7984 | 80-40.40 | 300 | L | 2.85 | 34 H 7419 | 40-40-60 | 450-450-200 | N | 2.67 | 34 H 7438 | 40-30-10 | 475 | $L$ | 2.70 |
| 34 H 7986 | 60-200-30 | $350 \cdot 150 \cdot 150$ | N | 3.00 | 34 H 7420 | 40-40-100 | 450-450-200 | P | 2.97 | 34 H 7439 | 30.20 .20 | 500 | $L$ | 2.52 |

## QUADRUPLE SECTION TWIST PRONG

| Stock No. | Cap. Mfd. | WVOC | Size $\begin{gathered}\left.1.24 \begin{array}{c}\text { NET EACH } \\ 25.49 \\ 50-99\end{array}\right)\end{gathered}$ |  |  |  | Stock No. | Cap. Mfd. | WVOC | Size |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 7441 | 50-40-160-40 | 150-150.25-25 | J | 2.13 | 1.22 | . 95 | 34 H 8330* | 30-20-160-40 | 450-450-250.150 | P | 3.54 | 1.94 | 1.51 |
| 34 H 7442 | 60-40-20-200 | 150-150-150-10 | 1 | 2.07 | 1.22 | . 95 | 34 H 8331. | 80-50-20-50 | 450-450-250-50 | P | 3.57 | 2.06 | 1.60 |
| 34 H 7445 | 80-40-40-40 | 150-150-150-25 | K | 2.16 | 1.26 | . 98 | 34 H 7481 | 40-40-30-30 | 450-450-350-350 | 0 | 3.54 | 1.90 | 1.48 |
| 34 H 7446 | 80-40-40-100 | 150-150-150-25 | K | 2.25 | 1.29 | 1.01 | 34 H 8332 | 80-50-10-20 | 450-450-450-25 | P | 3.48 | 1.98 | 1.54 |
| 34 H 5809 | 100-10-200-30 | 300-300-150-150 | R | 3.54 | 1.82 | 1.42 | 34 H 7484 | 40-30-10-20 | 450-450-450-25 | L | 2.70 | 1.60 | 1.25 |
| 34 H 7450 | 40-20-20-25 | 300-300-300-25 | J | 2.40 | 1.28 | 1.00 | 34 H 8495 | 80-40-40-40 | 450-450-450-25 | P | 3.87 | 2.21 | 1.72 |
| 34 H 5810 | 60-100-60-40 | 350-350-200-75 | a | 3.55 | 2.74 | 2.05 | 34 H 7492 | 10-10-10-10 | 450 |  | 2.01 | 1.25 | . 98 |
| 34 H 7463 | 40-40-40-40 | 350-350-350-25 | L | 3.12 | 1.59 | 1.24 | 34 H 7493 | 20-20-20-20 | 450 | L | 2.82 | 1.58 | 1.23 |
| 34 H 8491 | 70-40-10-50 | 350.350-350-50 | 1 | 3.15 | 1.63 | 1.27 | 34 H 7494 | 30-30-20-20 | 450 | N | 3.12 | 1.72 | 1.34 |
| 34 H 8490 | 100-20-10-20 | $350-350-350-50$ | M | 3.24 | 1.65 | 1.28 | 34 H 7495 | 35-35-10-5 | 450 | N | 2.76 | 1.63 | 1.27 |
| 34 H 7470 | 30-20-5-100 | 350-350-350-200 | L | 2.82 | 1.48 | 1.15 | 34 H 7496 | 40-10-10-10 | 450 | N | 2.46 | 1.50 | 1.17 |
| 34 H 7457 | 40-40-40-40 | 350 | N | 3.60 | 1.80 | 1.40 | 34 H 7497 | 40-20-10-10 | 450 | L | 2.67 | 1.57 | 1.22 |
| 34 H 8493 | 80-60-40-20 | 350 | $p$ | 3.84 | 1.99 | 1,55 | 34 H 7498 | 40.35-10-10 | 450 | L | 2.88 | 1.68 | 1.31 |
| 34 H 7466 | 40-80-100-25 | 400-350-200-50 | 0 | 3.57 | 1.91 | 1.49 | 34 H 7301 | 40-40-20-20 | 450 | 0 | 3.33 | 1.90 | 1.48 |
| 34 H 7469 | 100-10-30-20 | 400-400-50-50 | N | 3.06 | 1.75 | 1.36 | 34 H 7303 | 40-40-40-40 | 450 | R | 3.87 | 2.19 | 1.70 |
| 34 H 7471 | 80-40-10-20 | 400-400-400-25 | N | 3.18 | 1.87 | 1.46 | 34 H 7305 | 80-10-10-10 | 450 | N | 3.03 | 1.83 | 1.42 |
| 34 H 7472 | 80-40-10-100 | 400-400-400-200 | 0 | 3.81 | 2.08 | 1.62 | 34 H 7307 | 20-80-20-10 | 475-300-300-300 | M | 3.00 | 1.60 | 1.25 |
| 34 H 7473 | 80-40-30-40 | 400-400.400.25 | 0 | 3.57 | 2.01 | 1.57 | 34 H 7309 | 10-40-4-100 | 475-400.350-50 | K | 2.43 | 1.41 | 1.10 |
| 34 H 7475 | 20-80-20-50 | 450-200-200-50 | L | 2.46 | 1.40 | 1.09 | 34 H 7310 | 10-50-30-30 | 475-450-450-25 | N | 2.85 | 1.68 | 1.30 |
| 34 H 8329** | 20-160-50-50 | 450-250-75.50 | P | 3.21 | 1.73 | 1.34 | 34 H 7311 | 20-20-10-10 | 475 | K | 2.61 | 1.68 1.49 | 1.18 |

[^13] vide excellent protection against moisture, hett, and mechanical damage. The polyester film and paper dual dielectric with solid impremant produce a rock hard capacitor. Crimped radial teads for correct spacina on printted boards. Capacitance tolerance. $\pm 10 \%$. Av. shpm. wt. 2 az.

| Stech Mo. | MFI. | $\begin{aligned} & 512 \mathrm{E} \\ & \mathrm{Drt} \end{aligned}$ | $24$ | $\begin{array}{r} 25- \\ 40 \end{array}$ | $\begin{aligned} & 50 \\ & 50 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 200 WVDC |  |  |  |  |
| 34 H 3201 | 02 |  | . 15 |  |  |
| 34 H 202 | . 022 | $2 \mathrm{c} \times{ }^{2} \times 7 /{ }^{\text {m }}$ | . 15 | 11 |  |
| 34 H 2003 | . 047 | ${ }^{25} / 8 x^{7} / 8^{10}$ | . 15 | . 13 | . 10 |
| 34 H 8204 | . 05 | " $3_{2} \times 7 / 8{ }^{\text {c }}$ | . 15 | . 13 | 10 |
| 34 H 8205 | 1 | $31 / 4 \times 1 \%$ | . 21 | . 15 | . 12 |
| 34 H 820 | 15 | $8 \times 13$ | . 21 | . 17 | 13 |
| 34 H 3207 | 2 | $13.29 \times 19$ | . 24 | . 20 | 16 |
| 34 H 2203 | 22 | $34.6 \times 15$ | . 24 | . 20 | . 16 |
| 34 H 220 | 25 | $5 / 8 \times 1 \%$ | . 24 | . 20 | . 18 |
| 34 H 8210 | . 33 | $58 \times 15$ | . 30 | . 23 | 18 |
| 34 H 8211 | . 47 | ${ }^{4} / 6 \times 158$ | . 36 | . 25 | . 21 |
| 34 H 8212 | 5 | 2Kx150 | . 38 | . 27 | . 21 |
| 34 N 8213 | . 01 | ${ }^{13} 512 \times 140$ | . 15 | . 10 | , |
| 34 H 8214 | . 015 | 23940 ${ }^{2}$ | . 15 | . 11 | . |
| 34 M 8215 | . 02 | ${ }^{13} / 2 \times 7 / 8$ | . 15 | . 12 | 0 |
| 34 H 2216 | . 022 | $27 / 4 \times 7 / 8$ | . 18 | . 12 | . 0 |
| 34 H 8217 | . 025 | 3/6x7/8" | . 18 | . 12 | . 10 |
| 34 H ${ }^{\text {cti }}$ | . 03 | $29 / 4 \times 7 / \mathrm{s}^{\text {m }}$ | . 10 | . 13 | . 10 |
| 34 H 8219 | . 033 | ${ }^{15} 5_{2} \times 7 / 4{ }^{\text {a }}$ | . 18 | . 13 | . 10 |
| 34 H 8228 | . 04 | ${ }^{21} 4 \times 136$ | . 18 | . 14 | 11 |
| 34 H 1221 | . 047 | ${ }^{20} 6 \times 13$ | . 18 | . 14 | . 1 |
| 34 H 8222 | . 05 | ${ }^{29} 6 \times 1{ }^{2}$ | . 18 | . 15 | . 11 |
| 34 M 2223 | . 056 | $31 / 4 \times 13$ | .21 | . 18 | . 12 |
| 34 H $\mathbf{2 2 4}$ | . 068 | ${ }^{3} / 4 \times 13$ | .21 | . 18 | . 12 |
| 34 H 0225 | . 075 | $3 / 4 \times 13$ | . 21 | :18 | . 13 |
| 34 H 222 | . 1 | $374 \times 13$ | . 21 | . 17 | . 18 |
| 34 M 1227 | . 15 | ${ }^{2} / 4 \times 15$ | . 24 | .21 | . |
| 34 H 8228 | . 2 | ${ }^{12} / 2 \times 15 / 8$ | . 27 | . 25 |  |
| 34 H 822 \% | . 22 | ${ }^{29} \times 1515$ | . 27 | . 25 | . |
| 4 H 8230 | . 25 | a) | . 30 | . 23 | . 20 |
| 34 H 8231 |  |  |  |  |  |
| 34 H 8232 | . 0012 |  | . 15 | . 10 |  |
| 34 H 8233 | . 0015 | $12 / 4 \times$ | . 15 | . 10 |  |
| H 8234 | . 0018 | $21 / 4 \times 13$ | .15 | . 10 |  |
| H 8235 | . 002 | ${ }^{21} 46 \times 1$ | . 15 | . 10 |  |
| 8236 | . 0022 | $2 / 4 \times$ | . 15 | . 10 | . 00 |
| 1237 | . 0025 | $2160 \times$ | . 15 | . 10 | . |
| 8231 | . $\mathrm{CO27}$ | ${ }^{11} / 5_{52}{ }^{\text {P }}$ | . 15 | . 10 | . 09 |
| 8239 | . 003 | 1/22 ${ }^{1}$ | . 15 | . 10 | . 08 |
| H 8240 | . 0033 | ${ }^{2} / 2.4$ | . 15 | . 10 | . 00 |
| 2241 | . 0039 | $78 \times 1 / 18$ | . 15 | . 10 |  |
| H 8242 | . 004 |  | . 15 | . 10 |  |
| 8243 | . 0047 |  | . 15 | . 10 | . 08 |
| 224 | . 005 |  | . 15 | . 10 | . 03 |
| H 8245 | . 0056 | [4x ${ }^{1 / 4}$ | . 15 | . 10 | 08 |
| H 824K | . 006 | $\%_{2} \times 1 K_{6}{ }^{\prime \prime}$ | . | 11 |  |

## SPRAGUE HYPASS CAPACITORS

Three terminal network feec-thru capacitors, By.
pass VHF currents (up to 150 Mc ). Suppress TVI from shortwave transmitters. diathermy machines, etc. Reduce vibrator hash, har.
monic radiation generato noise. Wt., 402

- Heve femate screw terminals: + Bullhead mounting.

| Stock No. Type Ne. | ${ }_{\mu} \mathbf{F}$ | Amps | WVDC | Net |
| :---: | :---: | :---: | :---: | :---: |
| 34 H S 33 48P18* | . 5 | 40 | 50 | 2.76 |
| 34 N 334 4PP8 | . 1 | 20 | 600 | 1.00 |
| 34 N 33546 P 12 | . 002 | 15 | 000 | 1.47 |
| 34 M 335 -1p3* ! | . 1 | 20 | 0.00 | 1.88 |
| 34 H1337 47P16 | . 002 | 20 | 5000 | 2.73 |


| Stock No. | CAP. mod. | $\begin{aligned} & \text { SIZE } \\ & \text { DXL } \end{aligned}$ |  | $\begin{array}{r} 25- \\ \hline 4 \quad 49 \end{array}$ | $\begin{aligned} & 50- \\ & 99 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 8247 | 0068 | 13920 ${ }^{1 / 1 / 40}$ | 18 | . 11 | 08 |
| 34 H 8248 | . 0075 | $2 \mathrm{ma} \times 7 / 8^{4}$ | 18 | 11 | 09 |
| 34 H 8249 | . 008 | ${ }^{21} 6 \times x^{7} /{ }^{\text {c }}$ | . 11 | . 11 | . 09 |
| 34 H 8250 | . 0082 | $36 \times 7{ }^{\prime \prime}$ | .10 | .11 | . 09 |
| 34 H 8251 | . 01 | ${ }^{23} 6 \times 7 /{ }^{\text {c }}$ | . 18 | . 11 | . 09 |
| 34 H 8252 | . 012 | 254x\%" | 18 | .11 | . 09 |
| 34 H 8253 | 015 | 24ax76" | . 18 | . 11 | 09 |
| 34 H 8254 | . 02 | 21/47/30 | 18 | . 13 | 10 |
| 34 H 8255 | . 022 | ग $1 / 4 \times 7 /{ }^{\prime \prime}$ | . 16 | . 13 | . 10 |
| 34 H 8256 | . 025 | 1/20 $\times$ 7/ ${ }^{\prime \prime}$ | . 21 | . 13 | . 11 |
| 34 H 8257 | . 027 | 3, x $1 \%$ " | . 21 | . 13 | . 11 |
| 34 H 8258 | . 03 | 36x196" | . 21 | . 14 | . 11 |
| 34 H 1259 | . 033 | ",920130" | . 21 | . 14 | . 11 |
| 34 H 8280 | . 035 | $152 \times 1 \%^{\prime \prime}$ | . 21 | . 14 | . 11 |
| 34 H 8281 | . 039 | "4x136" | . 21 | . 14 | . 11 |
| 34 H 8262 | . 04 | 1/2×1\% | . 21 | . 15 | . 12 |
| 34 H 8263 | . 047 | "13201\%" | . 24 | . 15 | . 12 |
| 34 H 2254 | . 05 | "313176" | . 24 | . 15 | . 12 |
| 34 H 8255 | . 056 | "halko' | . 24 | . 15 | . 12 |
| 34 H 2266 | . 06 | \% $\times 1316$ | . 24 | . 10 | . 14 |
| 34 H 8237 | .088 | 17401\%" | . 27 | .18 | . 14 |
| 34 H 825 | . 075 | K0x1\% | . 27 | . 18 | . 14 |
| 34 H 8259 | . 082 | $370 \times 1 \%$ | . 27 | . 10 | 14 |
| 34 H 2270 | 1 | 5\%1\% | . 27 | . 13 | . 15 |
| 34 H 2271 | . 15 | \% $\mathrm{H}_{1 \%}$ | . 30 | . 23 | 18 |
| 34 H 8272 | . 2 | 34x156" | . 39 | . 27 | . 21 |
| 34 H 8273 | 22 | 250121\% ${ }^{\prime \prime}$ | . 12 | . 27 | . 21 |
| $34 \mathrm{H} \mathbf{8 2 7 4}$ | . 25 | 13015" | . 45 | . 27 | 21 |
| 34 H 2725 |  | O DCWY <br> $21 / 4 x^{19} 0^{4}$ | 30 |  |  |
| 34 H 8276 | . 0015 | $11 / 22 \times 1110{ }^{1 /}$ | . 30 | . 10 | . 01 |
| 34 Hr 1277 | . 002 | $3 / 8 x^{11}$ | . 30 | . 10 | . 08 |
| 34 H 1278 | . 0022 | 36x $11 / 0^{\prime \prime}$ | . 30 | . 10 | . 08 |
| 34 H 1279 | . 003 | 1/22 $x^{7 / 84}$ | . 30 | . 10 | . 00 |
| $34{ }^{14820}$ | . 004 | $38 \times 7 / 8^{\prime \prime}$ | . 30 | . 11 | . 00 |
| 34 H 2291 | . 0047 | "3,2x $\times 7 / 8$ | . 30 | . 11 | . 00 |
| 34 H 8282 | . 005 | $12, \times 7 / \mathrm{s}^{\prime \prime}$ | . 30 | . 11 | - |
| 34 H 8223 | 0005 | 3, 11 | . 21 | . 18 | . 12 |
| 34 HI 8294 | . 001 | 無1 | . 21 | .15 | . 12 |
| 34 H 8225 | . 0015 | 7nl1\% | . 21 | . 15 | . 12 |
| 34 H 2204 | . 002 | **1\% | . 21 | . 15 | . 12 |
| 34 H 8287 | . 0022 | 3/2x1\%" | . 21 | . 15 | . 12 |
| 34 H 224 | . 003 | \%x1 | . 24 | . 17 | . 13 |
| $34 \mathrm{H} \mathbf{3} 20$ | . 0004 | 1/2x11/4 | 24 | . 17 | .13 |
| $34 \mathrm{HCz21}$ | . 0047 | 12x11/ | . 24 | . 11 | 14 |
| 34 H 129 | . 005 | 1/2x14/2" | . 27 | . 19 | . 15 |
| 34 H 2238 | . 006 | 1/xly ${ }^{\text {a }}$ | . 27 | . 19 | . 15 |
| 4 H194 | . 0068 | 4/2x112" | . 27 | . 19 | . 15 |
| 34 | . 007 | 1/2x11/2 ${ }^{\text {a }}$ | . 27 | . 20 | . 15 |
| 34 H 8297 | . 0075 | 2/2x1 | . 27 | 20 | . 15 |
| 14 H 829\% | . 01 | \%xal\% | . 31 | . 21 | . 15 |
| 34 H 829 | . 015 | 56x1\%" | . 33 | . 23 | 18 |
| 34 H 2301 | . 02 | 56x17\% | . 42 | . 30 | . 23 |
| 34 H 8302 | . 022 | 561730 | . 42 | . 30 | . 23 |
| 3448303 | 03 | \% $\times 22^{1 / 6}$ | 45 | . 32 | . 25 |
| 34 M 3304 | . 04 | \% $\times 21 / 4$ | . 31 | . 37 | . 25 |
| 34 H 1305 | . 05 | 3/621/4" | . 51 | . 37 | . 29 |
| \% \% 1328 | $.001^{200}$ | $\begin{gathered} \infty \text { DCWN } \\ 7 / 611 / a^{4} \end{gathered}$ | . 21 | . 16 | . 13 |

## HIGH VOLTAGE CERAMICS



Popular replacement capacitors for color or black and white TVs. Also for commanications use. Shpg. wt., 502. 32 H e12s Net ea. 49; 10 for 4.39 32 H 0130500 mm f 30 ky Net ea. . 59

10 for 5.20

## CORNELL-DUBILIER HIGH VOLTAGE CERAMIC CAPACITORS

## Wicely used in Color and BAW TV, also

industrlat electronics. Tapped and supplled with screw-in terminals excent * with finnod wire leads. Shpg. wt., 602.

| Stock No. | Cap. MMF | DCWV | Net |
| :--- | :---: | :---: | :---: |
| 34 H 5820 | 500 | $10,000^{*}$ | 1.08 |
| 34 H 5821 | 500 | 20,000 | 1.50 |
| 34 H 5822 | 500 | 30,000 | $\mathbf{2 . 5 0}$ |

## CORNELL-DUBILIER "QUIETONE" FILTER



Type IF-18. Fig. A. An effective all-wave capacitive-inductive type filter for use with all types of elcetrical appliances causing severe radio and TV interference, such as air conditioning and ventilating units, maschine tools, washing machines, etc. In batrellte case, $6 \times 3 \times \times 21 / 2^{\prime \prime}$, with line cord and plug, receptacie and ground terminal. Binding post for attachment of ground wire, Rated at 115 V AC-DC, 5 amperes. 34 N 5811 Shpe. wt., 5 lbs.

Net 7.67
Type IF-18. Fiz B. An effective capactiveinductive type filtor, smaller than above, yet havine the same degree of attenuation of severe interference. For elimination of interference from food mixers, diathermy machines, electric fans, neon signs, washing machines, busimess machines, etc. Mas line cord, plus, receptacle and terminal for ground connection. Rated 115 V AC-DC, 5 ampares. In bakelite case $4 \times 24 / 4 \times 27^{\circ}$ " 34 H 5012 Shpg. wt., 3 lbs.

Net 7.30
Type $1 F-4$. Fit. C. A plastic cylladrical filter for use with small radios and portable TV sats for reduction of low or medium intenslty interference caused by small portable electrical appliances such as electric shavers, fans, adding machines, etc, Rated 110 V AC-DC, 5 amps . Commects to power line belween radio plug and outlet. 34 n sis 13 shpg. wt., 8 er.

Type IF-6. Fit. D. A plastic plug-in cyllodrical filter for elimination of moderate interference. suppresses interference of. fluorescent lighting, electric shavers, etc. comects between power lime and appliance or between power lime and radio. Has binding post terminal for grounding. Rated 110 Y AC-OC, 10 amperes, $1^{1 / 3^{\circ}}$ dia, $2^{\prime \prime}$ long. 34 H 5014 shpg. wt., 8 oz .

## WIREDIA TYE

Type IF-24. Fis. E. FLUORESCENT MOISE FILTER. Dual capacitive type filter for eliminating fluorescent noise. Easily connected by means of flextbie leads. In addition has bracket for mounting. For 110 V AC-DC.
 34 H 5816 shpg. wt., 6 oz.

Net 1.14
Ty IF-9. Fig. $F$. A capacitive-inductive filter with sreater efficiency than that above, Rated $110-220 \mathrm{~V}$ AC-DC, 2 amperes. Has flexble leads for simple connection, with additional lead for ground. Rectangular metal case $2 \times 2 \times 1 \frac{1}{4 \prime \prime}, w /$ tabs for mounting. 34 W 5017 Shpg. wt., 802.

Nef 3.12

## Centralab Ceramic Capacitors <br> TYPE DD 1000 WXDC <br> CENTRALAB TRIMMER

 CERAMIC DISCSIdeal for by-pass coupling In high frequency circults. 1000 VOC working except D0-103. DD.153, DD.203, DD.303, DD.403, DD. 503

 GMV, $+80.20 \%$. Avg. shpg. wt., 2 oz.
Stoch No. $00 . \mathrm{mmf}$ Stock No. DD. mmi $\begin{array}{llllll}33 & \text { H } 2258 & 3 R 3+3.3 & 33 H 2298 & 391 & 390\end{array}$ 33 H $2259 \quad 050 \quad 5 \quad 33$ H $2497401 \quad 400$ $\begin{array}{llrrrll}33 \text { H } 2260 & 060 & 6 & 33 & \text { H } 2299 & 471 & 470 \\ 33 \text { H } 2261 & \text { 6RB } & 6.8 & 33 & \text { H } 2301 & 471 G 4 & 470\end{array}$ $\begin{array}{llllllll}33 & \text { H } 2262 & 7 R 5 & 7.5 & 33 & \text { H } 2302 & 501 & 500\end{array}$ $\begin{array}{lllllllll}33 & H & 2263 & 080 & 8 & 33 & H & 2303 & 511 \\ 310\end{array}$ $\begin{array}{lllllllll}33 & H & 2264 & 100 & 10 & 33 & \text { H } 2304 & 561 & 560\end{array}$ 33 H $2265 \quad 120 \quad 12 \quad 33$ H 2305 601 $\quad 600$ $\begin{array}{lllllll}33 & H & 2266 & 150 & 15 & 33 & H \\ 2306 & 681 & 680\end{array}$ $\begin{array}{llllllll}33 & \text { H } 2267 & 180 & 18 & 33 & \text { H } 2307 & 751 & 750 \\ 33 & \text { H } 2268 & 200 & 20 & 3 & \text { H } 2308 & 801 & 800\end{array}$

 \begin{tabular}{lllllll}
33 \& $H$ \& 2270 \& 240 \& 24 \& 33 \& $H 2310$ <br>
\hline 111 \& 910

 $\begin{array}{lllllllll}33 & H & 2271 & 250 & 25 & 33 & \text { H } 2311 & 102 & 1000 \\ 33 & \text { H } 2272 & 270 & 27 & 33 & H & 2312 & 102 \mathrm{G} & 1000\end{array}$ 33 H 2312 102G1 1000 

33 \& $H$ \& 2274 \& 330 \& 33 \& 33 \& $H$ \& 313 <br>
\hline
\end{tabular} $\begin{array}{llllllll}33 & \text { H } 2276 & 470 & 47 & 33 & \text { H } 2315 & 132 & 1300 \\ 3 & \text { H } 2316 & 152 & 1500\end{array}$ $\begin{array}{llllllll}33 & \text { H } 2277 & 500 & 50 & 33 & \text { H } 2316 & 152 & 1500 \\ 33 & \text { H } 227 & 510 & 51 & 33 & \text { H } 2317 & 152 \mathrm{G}+1 & 1500\end{array}$ $\begin{array}{lllllll}33 H 2276 & 510 & 51 & 33 H 2317 & 152 G 1 & 1500 \\ 33 H 2279 & 560 & 56 & 33 H 2318 & 162 & 1600 \\ 3\end{array}$ $\begin{array}{llllllll}33 & H 2280 & 680 & 68 & 33 H 2319 & 182 & 1800 \\ 33 & H & 23 & 2320 & 202 \% & 2000\end{array}$ $\begin{array}{lllllll}33 \text { H2281 } & 750 & 75 & 33 & \text { H } 2320 & 2027 & 2000 \\ 33 & \text { H } 2282 & 820 & 82 & 33 & \text { H } 231 & 222 \% \\ 2200\end{array}$ $\begin{array}{lllllll}33 & \text { H } 2282 & 820 & 82 & 33 & H & 3321 \\ 33 & 222 \% & 2200 \\ 33 & 2283 & 910 & 91 & 33 & 2322 & 252 \% \\ 2500\end{array}$ $\begin{array}{lllllll}33 H 2284 & 101 & 100 & 33 H & 2323 & 2721 & 2700 \\ 33 H & 2285 & 121 & 120 & 33 H & 2324 & 302 \\ 3000\end{array}$ $\begin{array}{llllllllll}33 & \text { H } 2286 & 131 & 130 & 33 & \text { H } 2325 & 332 & 3300\end{array}$ $\begin{array}{lllllllll}33 & \text { H } 2287 & 151 & 150 & 33 & H & 2326 & 392 & 3900\end{array}$

 | 33 | $H 2289$ | 201 | 200 | $33 H 2328$ | $432 t$ | 4300 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 33 | $H$ | 2290 | 221 | 220 | $33 H 2329$ | 472 | $\begin{array}{lllllllll}33 & \text { H } 2291 & 241 & 240 & 33 & \text { H } 2330 & 472 G 1 & 4700\end{array}$ 33 H $2292 \quad 251250 \quad 33$ H 2331 502 1 5000 $\begin{array}{llllllll}33 & \text { H } 2293 & 271 & 270 & 33 \text { H } 2332 & 5022 * & 5000 \\ 33 & \text { H } 2294 & 301 & 300 & 33 \text { H } 2333 & 562 \% & 5600\end{array}$

 $\begin{array}{lllllllll}33 & H & 2296 & 351 & 350 & 33 & \text { H } 2335 & 752 & 7500\end{array}$ $\begin{array}{lllll}33 \text { H } 2297 & 361 & 360 & 33 & \text { H } 2336 \\ \text { NET EACH ANY OF ABOVE IN LOTS OF }\end{array}$ 1.99100 up

| Stock No. | CRL No. 0 D . | Cap. MFD | 1.99 | $\begin{aligned} & 100 \\ & 4 p \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 2337 | 1031 | . 01 | . 24 | . 19 |
| 33 H 2338 | 1032* | . 01 | . 24 | . 19 |
| 33 H 2339 | 153** | . 015 | . 24 | . 19 |
| 33 H 2340 | 203** | . 02 | . 45 | .356 |
| 33 H 2341 | 303** | . 03 | . 45 | . 356 |
| 33 H 2342 | 403** | . 04 | . 45 | . 356 |
| 33 H 2343 | 503** | . 05 | . 45 | . 356 | (i) TYPE DD3 600 WVDC dUA SECTION DISCS

Two individually shielded capacitors in one small case. All 600 XVDC. Tolerance GMV. Avg. shpg. wt., 2 oz.
Stock No. 003 . MFD Price Schedule 33 H 2344102 2X.001 $\begin{array}{lllll}33 & \text { H } 2344 & 102 & 2 X .001 \\ 33 & \text { H } 2345 & 152 & 2 X .0015\end{array}$
33 H $23462022 \times .002 \begin{cases}1.99 & .00 \\ \hline 10\end{cases}$ 33 H 2347502 2X. 005 33 H $23481032 \times .01$

## CRL DD-16 1600 WVDC <br> CERAMIC DISCS

All toterance GMV except DD16-153 is +80 $-20 \%$. Avg. shpg. wt., 202

| Stock No. | CRL No DO16. | Cap. MFD | Net Each in Lots of |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 100 |
|  |  |  | 1.99 | up |
| 33 H 2349 | 302 | . 003 | . 27 | 214 |
| 33 H 2350 | 402 | . 004 | . 27 | 214 |
| 33 H 2351 | 502 | . 005 | . 27 | . 214 |
| 33 H 2352 | 602 | . 006 | . 27 | . 214 |
| 33 H 2353 | 702 | . 007 | . 27 | . 214 |
| 33 H 2354 | 752 | . 0075 | . 27 | . 214 |
| 33 H 2355 | 802 | . 008 | . 27 | . 214 |
| 33 H 2356 | 103 | . 01 | . 27 | . 214 |
| 33 H 2357 | 153 | . 015 | . 48 | . 32 |

## DD 303000 WVDC DISC CERAMICS

| Stock No. D030. mmf |  |  | Stock No. D030. mmf |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33.H 2358 | 4RC | 4.7 | 33 H 2377 |  |  |
| 33 H 2359 | 6R8 | 6.8 | 33 H 2378 | 121 |  |
| 33 H 2360 | 8R2 | 8.2 | 33 H 2379 | 151 |  |
| 33 H 2361 | 100 | 10 | 33 H 2380 | 18 |  |
| 33 H 2363 | 120 | 12 | 33 H 2381 | 20 |  |
| 33 H 2364 | 150 | 15 | 33 H 2382 |  |  |
| 33 H 2365 | 220 | 22 | 33 H 2383 | 251 |  |
| 33 H 2366 | 250 | 25 | 33 H 2384 | 271 |  |
| 33 H 2367 | 270 | 27 | 33 H 2385 | 301 |  |
| 33 H 2368 | 300 | 30 | 33 H 2386 | 331 | 330 |
| 33 H 2369 | 330 | 33 | 33 H 2388 |  |  |
| 33 H 2370 | 390 | 39 | 33 H2388 | 401 |  |
| 33 H 2371 | 470 | 47 | 33 H 2389 |  |  |
| 33 H 2372 | 400 | 50 | 33 H 2390 | 50 |  |
| 33 H 2373 | 560 | 56 | 33 H 2391 |  |  |
| 33 H 2374 | 680 | 68 | 33 H 2392 | 68 |  |
| 33 H 2375 | 750 | 75 | 33 H 2393 |  |  |
| 33 H 2376 | 820 | 82 | 33 H 2394 |  |  |
| NET EACH ANY OF ABOVE IN LOTS OF$100 \mathrm{up}$ |  |  |  |  |  |
| Stock No. 0030 mmf Stack No. 003 |  |  |  |  |  |
| , | 102 | 1000 | 33 H 2402 | 272 |  |
| 33 H 2396 |  | 1200 | 33 H 2403 |  |  |
| 33 H 2397 | 152 | 1500 | 33 H 2404 | 332 | 330 |
| 33 H 2398 | 202 | 2000 | 33 H 2405 |  |  |
| 33 H 2399 |  | 2200 | 33 H 2406 |  | 4700 |
| 33 H 2401 | 252 | 2500 | 33 H 2407 |  |  |
| NET EACH ANY OF ABOVE IN LOTS OF <br> 1.99 <br> .30 $100 \text { up }$ |  |  |  |  |  |

Tolerance $\pm 20 \%$. Avg. shpg. wt., 2 oz.

| $\begin{gathered} \text { CRL No. Cap } \\ \text { Stock No. } 00 \in 0 \cdot \mathrm{mmf} \end{gathered}$ |  |  | $\begin{aligned} & \text { CRL. No. Cap } \\ & \text { Stock No. } 0060 \cdot \mathrm{mmf} \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 H 2408 | 4R | 4.7 | 33 H 2429 |  |  |
| 33 H 2411 | 100 | 10 | 33 H 2430 | 20 |  |
| 33 H 2413 | 150 | 15 | 33 H 2431 | 221 | 220 |
| 33 H 2417 | 300 | 30 | 33 H 2432 | 251 | 250 |
| 33 H 2418 | 330 | 33 | 33 H 2433 | 271 | 270 |
| 33 H 2419 | 390 | 39 | 33 H 2434 | 301 | 30 |
| 33 H 2420 | 470 | 47 | 33 H 2435 | 331 | 33 |
| 33 H 2421 | 500 | 50 | 33 H 2436 | 391 | 39 |
| 33 H 2422 | 560 | 56 | 33 H 2438 | 471 | 470 |
| 33 H 2423 | 680 | 68 | 33 H 2439 | 401 | 500 |
| 33 H 2424 | 750 | 75 | 33 H 2440 | 561 | 56 |
| 33 H 2425 | 820 | 82 | 33 H 2441 |  |  |
| 33 H 2426 | 101 | 100 | 33 H 2442 |  |  |
| 33 H 2427 | 121 | 120 | 33 H 2443 |  |  |
| 33 H 2428 | 151 | 150 |  |  |  |
| $\begin{aligned} & \text { NET EAC } \\ & 1.99 \\ & .36 \end{aligned}$ |  | $\begin{gathered} Y \text { OF } \\ 100 \\ .28 \end{gathered}$ | OVE IN |  |  |
| Stock No. 0060-MMF. |  |  | Price Schedule |  |  |
| 33 H 2444 | 102 | 1000 |  |  |  |
| 33 H 2445 | 122 | 1200 |  |  |  |
| 33 H 2446 | 152 | 1500 | 1.99 |  |  |
| 33 H 2447 | 152 | 1500 | 100 up |  |  |
| 33 H 2448 | 222 | 2200 |  |  |  |

## TRANSMITTING CAPS

Designed primarily for transmitter, induc. tion heaters, X-Rays, etc. Tolerance 850 type $\pm 10 \%, 858$ type $\pm 20 \%$. Mounting 2m" long hex studs tapped $6 / 32$ thread. All 7500 DCWV except 5000 v . Temp. Coefficient types ending in $z$ NPO, ending in $N$ N750. Avg. shpg. wt., 202.

| Stock No. CRL No. | Cap. MMF. | Price Schedule |
| :---: | :---: | :---: |
| 33 H 2449850 S-252 | 25 |  |
| 33 H $2450850 \mathrm{~S}-50 \mathrm{Z}$ | 50 |  |
| $33 \mathrm{H} 2451850 \mathrm{~S}-50 \mathrm{~N}$ | 50 | 1.42 .70 ea. |
| 33 H 2452850 S .75 N | 75 | 5.292 .43 ea |
| 33 H 2453 850S-100N* | 100 | 30.1002 .14 ea . |
| $33 \mathrm{H} 2454858 \mathrm{~S}-5 \mathrm{CO}$ * | 500 |  |
| 33 H2455 858S-1000 | 10CO |  |



TYPE 820
Conveniently mounted, wide capacity range units, Rated 500 VDCW, test 1500 VOC Mounting holes clear \#4 machine screws. Size: $38 \mathrm{~K}^{37} / \mathrm{z}^{\prime \prime}$. Shpg. wt., 102

| Stock No. | Part No. | Cap. MMF | Net Price |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 2501 | 820.A | 2.5-6 |  |  |
| 33 H 2502 | 820.8 | 5.20 | 1.4 | 1.14 |
| 33 H 2503 | $820-\mathrm{C}$ | 7.35 | 5.29 | . 95 |
| 33 H 2504 | 820.D | 1-3.5 | 30.100 | . 90 |
| 33 H 2505 | 820.E | 35.55 |  | . 9 |
| 33 H 2506 | 820-F | 55.75 |  |  |
| 33 H 2508 | 820.G | 70.90 |  |  |

## TYPE 822 TRIMMER

Types with N indicate negative temperature coefficlent: $z$ indicates zero coefflicient. Steatite base. Rated 500 VDCW . Shpg. wt. 102

| 33 H 2509 | 822 AN | 8.50 |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 2510 | 822.AZ | 4.5-25 |  |  |
| 33 H 2511 | 822-BN | 7.45 |  |  |
| 33 H 2512 | 822.BZ | 2.5-13 | 1.4 | 1.14 |
| 33 H 2513 | 822.CN | 4.5.25 | 5.29 | . 95 |
| 33 H 2514 | 822.C2 | 2.7 .5 | 30.100 | . 90 |
| 33 H 2515 | 822-DN | 2.6 |  |  |
| 33 H 2516 | 822.02 | $1.5 \cdot 3$ |  |  |
| 33 H 2517 | 822-EN | 4.30 |  |  |
| 33 H 2518 | 822-E2 | 1.5.7 |  |  |
| 33 H 2519 | 822-FZ | 3.12 |  |  |

TYPE 829 TUBULAR TRIMMER
Mounted by locknut against metal panel or chassis. 500 volts working. Shpg. wt., 1 oz. 33 H 2539 829.3 $\quad 5.3$

| $33 H 2540$ | $829-4$ | 1.4 | 1.24 | .30 |
| :--- | :--- | :--- | ---: | :--- |
| $33 H 2541$ | $829-6$ | 1.6 | $25-99$ | .238 |
| $33 H 2542$ | $829-7$ | 1.7 .5 |  |  |
| 33 H 2543 | $829-10$ | $1.5-10$ |  |  |

## TYPE 823 TRIMMER

Steatle body trimmers. Rating 500 WVDC, 1500 VDC test. All are zero temp, coeff. except " neg. 650 T.C. Shpg. wt., 3 oz. 33 H 2520 823.AN * 20.125
$\begin{array}{lll}33 \mathrm{H} 2521 & 823-\mathrm{AZ} & 12.62\end{array}$
33 H 2522 823-BN* $10-100$
$\begin{array}{lllll}33 & H 2523 & 823-B Z & 10.50 & 1.4 \\ 33 H 2524 & 823 . D N & 8.50 & 5.29 & 3.00\end{array}$ $\begin{array}{lllll}33 \text { H } 2525 & 823-D Z & 8.50 & 5.29 & 3.00 \\ 33 \text { H } 2526 & 823 . E N: & 8.25 & & 2.85\end{array}$ 33 H 2526 823.EN* 8.25 $\begin{array}{lll}33 H 2527 & 823-E Z & 5.12 \\ 33\end{array}$

## TYPE 827 TRIMMER

Ceramic molded phenolic body. Rated at 600 WVDC. Power factor is less than $0.2 \%$ at 1 mc . Shpg. wt., 202.

| 33 | H 2529 | $827 \cdot A$ | $2.5-7$ | 1.4 | .90 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 33 | H 2530 | $827 \cdot B$ | $3.5-12$ | 5.29 | .75 |
| 33 | $C$ | 2531 | $827 C$ | $6-30$ | 30.100 |
| 33 | H 2532 | $827 \cdot D$ | 7.35 |  |  |

## 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 $272 x^{2}{ }^{4} / \mathrm{M}$. Zero temp. coefficient except * negative. Replaces series 833 trimmers. Shipg. wt., 202.

| 33 | H 2533 | $825 . E Z$ |
| :--- | :--- | :--- |
| $1.5-7$ |  |  |

$\begin{array}{lllll}33 \text { H } 2534 & 825 \cdot F 2 & 3.0 \cdot 12 & 1.4 & 1.17 \\ 33\end{array}$
$\begin{array}{lllll}33 \text { H } 2535 & 825 \cdot A Z & 4.5-25 & 5-29 & .98 \\ 33 \text { H } 2536 & 825 \cdot \mathrm{DN}^{*} & 2.0-6 & 30-100 & .93\end{array}$
33 H 2537 825.EN* 4.0 .30
33 C 2538 825. BN $^{*} \quad 7.0-45$

## Centralab Ceramic Capacitors

temperature compensating tubulars

Tesigned to limit if frequency drift due to temper ature variations. Extremely compact. 600 DCWV;
1500 DC test volts 1500 DC test volts. Shpg. wt., 2 oz.
TYPE TCZ NEGATIVE-POSITIVE-2ERO (NPO) have zero temperature coefficient from $-20^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$. Tolerances: .5.3.3 mmf. $\pm 25$ $\mathrm{mmf} ; 4.7-10 \mathrm{mmf}, \pm .5 \mathrm{mmf} ; 12.100 \mathrm{mmf}, \pm 2 \% ; 110-300 \mathrm{mmf}$, $\pm 5 \%$. TYPE TCN NEGATIVE ( N 750 ) have negative coefficient of 750 parts/million $/ 0^{\circ} \mathrm{C}$ temperature rise. Tolerances: 3.3 .10 mmf are $\pm .5 \mathrm{mmf} ; 12.100 \mathrm{mmf}, \pm 2 \% ; 110.750 \mathrm{mmf}, \pm 5 \%$


## FEED-THRU HI KAPS

Rated 500 WVOC, 1000 VDC test. Brass cad. plated double-flatted mounting bushing with $12-28$ thread and nut. Tinned copper leads, $.050{ }^{\circ}$. Tolerance $\pm 20 \%$ except - is $+50.20 \%$. Overall size with leads $1 / 52 \times)_{10}{ }^{\prime \prime}$. Shpg. wt., 201.

TYPE FT

| Stock No. | CRL No . | Cap. MMF. | Price Schedule |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 2051 | FT. 500 | 500 |  |  |
| 33 H 2052 | FT. 1000 | 1000 | 1.24 | . 75 ea. |
| 33 H 2053 | FT-1500* | 1500 | 25.99 | . 594 ea . |
| 33 H 2054 | FT. 1800* | 1800 | 100.249 | . 50 |
| 33 H 2055 | F1-2300* | 2300 |  |  |

## TYPE MFT

Miniature version of the Ft. $1 / 4^{"}$ man. flange diameter eyelet to be Inserted in $.160^{\circ}$ dia dia and soldered directly to chassis. Toler ance $\pm 10 \%$ except i : $\pm 20 \%$ and $\dagger$ is G.M.V.

| Stock No. | CRL No. | Cap. MmF | Price Schedule |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 2056 | MFT. 50 | 50 |  |  |
| 33 H 2057 | MFT. 100 | 100 | 1.24 | 30 ez |
| 33 H 2058 | MFT.500* | 500 | 25.99 | 338 ${ }^{\text {ea }}$ |
| 33 H 2059 | MFT-1000 $\dagger$ | 1000 | 100.249 | . 20 |

## M MALLORY HIGH TEMP. TUBULAR eLECTROLYTICS

Very high quality aluminum electrolytics in wax filled cardboard fubes with mounting straps and $5^{\circ "}$ insulated leads. Feature all welded internal construction and safety vent. Tempera. ture range $-20^{\circ} \mathrm{C}$ to $+65^{\circ} \mathrm{C}$. Tolerance: $-10 \%,+250 \%$ up to 50 WVDC; $-10 \%$, +10051 to 350 WVDC $-10 \%,+50 \%$ 450 WVOC and up. Avg. shpg. wi., 6 oz.

| Stock No. | Cap. MFD | WVDC | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 1542 | 200 | 200 | 1.84 | 1.58 |
| 33 H 1543 | 140 | 300 | 2.05 | 1.76 |
| 33 H 1544 | 150 | 400 | 2.64 | 2.26 |
| 33 H 1545 | 100 | 450 | 2.63 | 2.25 |
| 33 H 1546 | 50-50 | 150.150 | 1.30 | 1.11 |
| 33 H 1547 | 100-50 | 150-150 | 1.56 | 1.34 |
| 33 H 1548 | 250.50 | $160 \cdot 160$ | - 2.18 | 1.87 |
| 33 H 1549 | 5.200 | 200-200 | 2.05 | 1.76 |
| 33 H 1550 | 250-120-50 | 160-160-100 | 2.31 | 1.98 |
| 33 H 1551 | 200.250-10 | 200.200-200 | 3.58 | 3.05 |
| 33 H 1552 | 60-60.60 | 350-350-300 | 2.93 | 2.51 |
| 33 H 1553 | 40-20-20-100 | 150-150-150-25 | 1.77 | 1.52 |
| 33 H 1554 | 40-40-20-20 | 150.150.150.25 | 1.70 | 1.46 |
| 33 H 1555 | 60-40-40-20 | 150-150.150-25 | 1.91 | 1.63 |
| 33 H 1556 | 140.5-200-30 | 350.300-200.200 | 4.06 | 3.48 |
| 33 H 1557 | 150-100-20-100 | 350-350-350.50 | 4.33 | 3.71 |
| 33 H 1558 | 10.80-40-40 | 450-300.300.300 | 2.94 | 2.52 |
| 33 H 1559 | 10-40-80-100 | 450-300-400.50 | 3.07 | 2.63 |
| 33 H 1560 | 20-20-40-40 | 450-450-450-450 | 3.53 | 3.02 |
| 33 H 1561 | 40-20-20-20-50 | 300-300-300-300-50 | 2.58 | 2.21 |

## LOW VOLTAGE CAPACITORS FOR TRANSISTOR APPLICATIONS

High capacity low voltage ceramic capacitors for transistor circult applications Durez resin insulation.

## TYPE DA PLATE CAPACITORS

Size $1 / 2 \times 1 / 2 \times 3 /{ }^{*}$ thick. Tolerance $-20 \%$ to $+100 \% 30$ wVOC. Shpg. wt., 2 oz.

| Stock No. | Mfrs. Type OA | Cap mfd | $\begin{aligned} & \text { Net Price } \\ & 1.99100 \text { up } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 2117 | 203 | . 02 | . 36 | 29 |
| 33 H 2118 | 503 | 05 | . 81 | 64 |
| 33 H 2119 | 104 | 10 | 1.35 | 1.07 |

## TYPE DDA DISC CAPACITORS

 $\pm 80 \%$, 75 WVOC. Shpg. Shpg. wt., 2 oz.

|  | Mfrs. <br> Type | Cap | Net Price |  |
| :--- | :---: | :---: | ---: | ---: |
| Stock No. | DA | mfd | $1-99$ | 100 up |
| 33 H 2120 | 503 | .05 | .30 | .24 |
| 33 H 2121 | 104 | .10 | .60 | .48 |

TYPE UK AND UK-10 ULTRA-KAPS
Miniature ceramic disc capacitors for tran. sistor clrcuitry. For low voltages use re. quiring high capacities and low power fact. ors. Double "Durez" insulation. UK rated 3 WVDC, tolerance GMV; UK-10 rated 10 WVDC; tol. $+80 \%,-20 \%$. Shpg. wt., $20 z$

| Stock No. | Mfrs. Type | $\begin{aligned} & \text { Cap } \\ & \text { mid. } \end{aligned}$ | $\begin{gathered} \mathrm{Ne} \\ 1.99 \end{gathered}$ | $\begin{aligned} & \text { rice } \\ & 10 \text { up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 2122 | UK104 | 1 | . 42 | . 33 |
| 33 H 2123 | UK224 | 22 | . 30 | 24 |
| 33 H 2124 | UK474 | . 47 | . 30 | 24 |
| 33 H 2125 | UK105 | 1.0 | . 36 | . 29 |
| 33 H 2126 | UK225 | 2.2 | . 42 | . 33 |

## TYPE UK-10

| $33 H 2127$ | UK10-503 | .05 | .18 | .14 |
| :--- | :--- | :--- | :--- | :--- |
| $33 H 2128$ | UK10-104 | .1 | .18 | .14 |
| $33 H 2129$ | UK10.204 | .2 | .30 | .24 |
| $33 H 2130$ | UK10-474 | .47 | .42 | .33 |

## TYPE DM MIN KAPS

$13 / 3 x^{7} / 2 x^{1} / 6^{\prime \prime}$ thick; Triple Durez insulated 150 WVDC; Tolerance: * is $+50 \%,-20 \%$ all others are $+80-20 \%$. Shpg. wt., 202

| Stock No. | Mfrs. Type DM | Cap mmf | 1.99 | 100 up |
| :---: | :---: | :---: | :---: | :---: |
| 33 H 2173 | 101* | . 0001 | . 90 | . 72 |
| 33 H 2174 | 201* | . 0002 | . 90 | . 72 |
| 33 H 2175 | 301* | . 0003 | . 90 | . 72 |
| 33 H 2176 | 501 * | . 0005 | . 90 | . 72 |
| 33 H 2177 | 102* | . 001 | . 90 | . 72 |
| 33 H 2178 | 202* | . 002 | . 90 | . 72 |
| 33 H 2179 | 302 | . 003 | . 90 | . 72 |
| 33 H 2180 | 502 | . 005 | . 90 | . 72 |
| 33 H 2181 | 103 | -. 01 | . 90 | . 72 |
| 33 H 2182 | 2-502 | 2x. 005 | . 90 | . 72 |

## TYPE DDM DISC CAPACITORS

 $30^{\prime \prime}$ dia. 150 WVDC; Tolerance: $+60 \%$ $40 \%$. Shpg. wt., 2 oz .| Stock No. | Mirs. Type <br> DDM | Cap <br> mmf | 1.99 | 100 up |
| :--- | :--- | :--- | :--- | :--- |
| 33 H 2183 | 203 | .02 | .54 | .43 |
| 33 H 2184 | 502 | .0005 | .30 | .24 |
| 33 H 2185 | 103 | .01 | .30 | .24 |
| 33 H 2186 | 2.103 | $2 \times .01$ | .54 | .43 |

Prices do Specifications Subiect to Change Without Notice.

# Miller, Meissner Coils and Components 



## unshielded miniature TRANSISTOR OSCILLATORS

(Fig. A.) The 34 H 8801 oscillator coll (Re. vised 5 -lug) is designed for use in a converter oscillator circuit. The 34 H 8702 oscil. lator coll ( 6 -fug) is for use where a separate transistor is used for the oscillator and another transistor for the mixer. I.F. Freq. 455 KC . Avg. Shpg. wt. 3 oz.
Dimensions: $3 / \mathbf{y}^{\prime \prime} 1^{\prime \prime}$ high

| Stock No. | Miller | Capacity | Net |
| ---: | :--- | ---: | ---: |
| 34 H 8801 | 2020 | 365 mmf | 1.65 |
| 34 H 8701 | 2022 | $78-100 \mathrm{mmf}$ | 1.65 |
| 34 H 8702 | 2023 | 365 mmf. | 1.65 |

## SUB-MINIATURE TRANSISTOR I.F.'S AND OSCILLATOR

(FIg. C.) Cup core construction permits the use of extremely small shields without ad. versely affecting transformer operation. A high impedance, tapped primary winding coupled to a low impedance secondary provides optimum energy transfer between stages. Dimensions: $\$ / \mathbf{/ s}^{\prime \prime}$ sq. x $5 / \mathbf{b}^{\prime \prime}$ high.
Stock No. Miller Freq. Imp. Item Net 34 H 8608 9.Cl 455 KC 25 K . Input 2.40 600 ohms
34 H 8613 9-C2 455 KC 25K. Output 2.40 1000 ohms
34 H 87032021 Oscillator (Tuning
2.10
(Fig. I.) Designed for experimental use and for general replacement in personal radio recelvers. Shell core, permeability tuned, Tuning from top and bottom of the shield. Transformers are avallable for all standard IF. 12 H series for 262 KC . 12 C series for 455 KC .1463 thru 1465 for 10.7 mc and 6203, 6204, 6205 for 4.5 MC. Dimensions: $3 /^{\prime \prime} \times x_{0}^{\prime \prime} \times 2$ " high, "With diodes, filter capacitors. Avg. shpg, wt., 4 oz.

| Stoth No. | miller | Item | Net |
| :---: | :---: | :---: | :---: |
| 34 H 8724 | 12-H1 |  | 74 |
| 34 H 8725 | 12-H2 | Output IF | 1.74 |
| 34 H 8726 | 12-H6 | Output If | 1.80 |
| 34 H 8727 | $12 \cdot \mathrm{Cl}_{1}$ | Input 16 KC@ 6 db |  |
| 34 H 8728 | 12-C2 | Output 21 KC @ <br> 6 db | 2.85 |
| 34 H 8729 | 12-C6 | Output IF | 1.71 |
| 34 H 8732 | 12-C45 | Discriminator | 2.70 |
| 34 H 8733 | 1463 | Input | 1.95 |
| 34 H 8734 | 1464 | Discriminator | 2.25 |
| 34 H 8735 | 1465 | Ratio Detector | 2.34 |
| 34 H 8736 | 1464.WB | Disc. 900 KCP P/ | 2.40 |
| 34 H 8737 | 6203 | Input | 1.98 |
| 34 H 8738 | 6204 | Discriminator | 2.25 |
|  |  |  |  |

## UNIVERSAL ADJUSTABLE OSC. COIL

(Fig. O.) Adjustable iron core oscillator coil for general replacement use, RF freq. 500 . 1800 KC . IF freq. $100-550 \mathrm{KC}$. Dimensions $5 / /^{\prime \prime} \times 112^{\prime \prime}$ high.
34 H 8704 Miller Type 71-0SC
Net 1.65

## MILLER TRANSISTOR ANTENNAS

## STANDARD

Has a fixed inductance of 240 mh and covers a band of $540-1650$ KC. Large pickup area and high a . Maximum tuning capacity 365 mmf. 0 @ 790 KC. 450. Shipg. wt., 4 oz. 34 H 8819 Type 2000

Net 2.04

## SUB MINIATURE

Adjustable antenna coll with high a ferrite cores. Inductance range for 2002 is 40 $300 \mu \mathrm{~h}$, for $2007,150-1000 \mu \mathrm{~h}$. Freq. range 540.1650 KC . 0 at 790 KC for 2002, 250 ; for 2007. 220. Tuning capacity 2702. 250. $450 \mathrm{mmf}_{\mathrm{i}} 2007,100-250 \mathrm{mmf}$. wt., 4 oz . 34 H 8749 Type 2002 ...................... Net 1.35 34 H 8821 Type 2007 ..................... Net 1.77

## 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 $540-1650$ KC. $Q$ at 790 KC. 500 . Shpg. Wt., 4 oz. 34 H 8820 Type 2004 ...................... Net 1.98

## 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 $540-1650 \mathrm{KC}$. 0 at 790 KC , 550 . Shps. wt., 402.

MEISSNER TRANSISTOR FERRITE ANTENNAS


FF
FR

Ferrite antenna coils for broadcast frequencies, having high $Q$ for maximum signal pickup and energy transfer to transistor. Type $14-9015$ is adjustable. Shipg. wt., 40 oz .

| Stock No. | Meissner Type | Fig. | TUNING INPUT Cap, uuF | UH | Size | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 5550 | 14-9003 | FR | 365 | 240 | $1 / 20 \times 7 \mathrm{ML}$ | 3.00 |
| 32 H 5551 | 14-9C05 | FF | 123 | 667 | $5 / 32 \times 3 / 4 \times 31 / 6^{\prime \prime}$ | 3.00 |
| 32 H 5555 | 14-9015 | IF | 100.365 | 200.900 | $3 / 4 \mathrm{D} \times 2$ "L | 2.40 |



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. Also sultable for winding chokes, transformers and fllter 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 coils. Instructions included, but less coil form and pegs. Shpg. wt., 6 lbs .

# Meissner, Miller, Lafayette - Coils \& Components 

$34^{\prime \prime \prime}$ PERMEABILITY
TUNED I.F. COILS
Tuned top and bottom, powdered Iron cores Sllvered 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., 40 oz.

| Stock No. | Melssner Type | Function | Ne |
| :---: | :---: | :---: | :---: |
| 32 H 5532 | 16 | 45 | 1.80 |
| 32 H 5533 | 16-6770 | 455 KC Output | 40 |
| 32 H 5534 | 16-6752 | 262 KC Input | 2.10 |
| 32 M 5535 | 16.6754 $\dagger$ | 262 KC Output | 2.10 |
| 32 H 5536 | 16-3487 | 10.7 MC FM Inp | 2.70 |
| 32 H 55 | 16.6678 | 455 KC AC | 3. |

## TRANSISTOR

## OSCILLATOR COIL

Popular broadcast frequency transistor oscillator 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 $1 / 2^{\prime \prime} x^{1} / 2^{\prime \prime} x^{5} / 9^{\prime \prime}$. Shor. wt., 402.
32 H 5548 Meissner 149006 ..... Net 4.80

### 4.5 MC <br> INTERCARRIER SOUND I.F. COMPONENTS



Fits the popular intercarrier sound TV receivers. Iron core tuning and HI-Q no-drift capacitors are used throughout. Aluminum shields except *. TOD and boltom tuningMounting by 6.32 spade bolts. 1469 is used to remove 4.5 MC signal from output of sound detector or plate of video amp. 1470 may be inserted in any part of circult to attenuate a 4.5 MC signal. The discriminator is of the Foster.Seely type. Shpg. wt., 502.

| Stock No. Miller | Item | Net |
| :---: | :---: | :---: |
| 34 H 88301466 | Input or Interstage | 2.13 |
| 34 H 88311467 | Discriminator | 2.46 |
| 34 H 88321468 | Ratio Detector | 2.55 |
| 34 H 8833 1469* | Sound Pick-Off | 1.05 |
| 34 H $88341470{ }^{\text {c }}$ | Sound Trap | 1.05 |
| 34 H 8835 1470-A | Sound Trap Shielded | 1.41 |
| 34 H 86531480 | Quadrature Coil | 1.08 |
| 34 H 86541481 | Quadrature Coll |  |
|  | Shielded | 1.41 |
| MILLER WIDE RANGE ADJUSTABLE |  |  |
| INDUCTORS |  |  |

For immediate application in many prototype designs where the exact value of the required inductance is not known. Induction measured at 1000 cycles. Dimensions: max. dia. $3 / 4^{\prime \prime} \times 11 / 4^{\prime \prime}$ 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. Shpg. wt., 6 oz .

| Untapped |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. |  |  |  |  |
| 34 H 8985 | 9002 | . 180 MH | . 8 COMH | 1.50 |
| 34 H 8986 | 9003 | . 570 MH | 2.80 MH | 1.80 |
| 34 H 8987 | 9004 | 2.10 MH | 8.00 MH | 2.10 |
| 34 H 8988 | 9005 | 6.00 MH | 16.0 MH | 237 |
| 34 H 8989 | 9006 | 12.0 MH | 40.0 MH | 2.76 |
| 34 H 8990 | 9007 | 30.0 MH | 105. MH | 2.85 |
| 34 H 8991 | 9008 | 78.0 MH | 240. MH | 2.88 |
| 34 H 8651 | 9009 | 180. MH | 750. MH | 2.97 |
| Stock No. | Tapped Type | Ref. Type | Ratio | Net |
| 34 H 8992 | 9011 | 9001 | 102/34 | 1.62 |
| 34 H 8993 | 9012 | 9002 | 204/68 | 1.80 |
| 34 H 8994 | 9013 | 9003 | 376/128 | 2.10 |
| 34 H 8995 | 9014 | 9004 | 608/203 | 240 |
| 34 H 8996 | 9015 | 9005 | 1000/333 | 2.67 |
| 34 H 8997 | 9016 | 9006 | 1480/493 | 2.76 |
| 34 H 8998 | 9017 | 9007 | 2480/827 | 2.82 |
| 34 H 8999 | 9018 | 9008 | 3860/1286 | 3.18 |
| 34 H 8652 | 9019 | 9009 | 6100/2030 | 3.27 |

## STANDARD ANTENNA AND R.F. COILS



Designed to cover the broadcast band from 545 to 1580 KC ( 190.550 meters) with a 365 mmfd. luning condenser. High Impedance primaries, wound with Litz wire. Shielded coils are in black crackle finish, non mag netic can. $17 / \mathbf{g}^{\prime \prime \prime}$ in diameter, $2 \frac{1}{2 \prime \prime} 2^{\prime \prime}$ high. "unshielded tshielded. Shpg. wi., 4 oz.

| Stock No. | Meissner | Description | Net |
| :--- | :--- | :--- | :--- |
| 32 H 5520 | $14-1010^{*}$ | Ant. Coil | 2.10 |
| 32 H 5521 | $14-1004 \dagger$ | Ant. Coil | 2.10 |
| 32 H 5522 | $14-1011^{*}$ | RF Coil | 2.10 |
| 32 H 5523 | $14.1005 \dagger$ | RF Coil | 2.10 |

## UNIVERSAL COILS <br> 

Replace Broadcast band coils in most receivers. accurately track other coils when adjusted. Matches inductance of burned out coil with screwdriver adjustment. Osclilator coil adjustable from 175 to 520 kilocycles. For use with elther cut plate or padding condenser circuits. Shpg. wt., 6 oz.
32 H 5524 Meissner 14-1026-Ant. Net 2.10 32 H 5525 Meissner 14 -1027-R.F. Net 2.10 32 H 5526 Meissner $14-1028$-Osc. Net 2.10

## PHONO OSCILLATOR

 COIL FOR WIRELESS
## RECORD PLAYERS

(FIG. G) Knob adjustment for selection of clear frequency in $8 C$ band. $13 / 9$ sq. $\times 31 / 2^{\prime \prime}$ high. Shpg. wt., 6 oz.
32 H 5542 Melssner 17.9373 ......... Net 9.00

## VIDEO PEAKING FILAMENT CHOKE COILS



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 filament choke; isolates fitament to reduce feedback, stray coupling, etc. $\mathcal{Z}_{2} \times 7 / \mathrm{g}^{\prime \prime \prime}$ long. Peaking colls $K_{0} \times{ }^{3} \mathrm{~g}^{\prime \prime}$ long. Avg. shpg. "wt., 202.

| Stock No. | Miller | $\mu \mathrm{h}$ | Shunt | Net |
| :--- | :--- | :--- | :--- | :--- |
| 34 H 8855 | 6175 | 0.8 | None | .63 |
| 34 H 8856 | 6152 | 20 | None | .63 |
| 34 H 8857 | 6176 | 36 | None | .63 |
| 34 H 8858 | 6172 | 73 | None | .63 |
| 34 H 8859 | 6177 | 93 | None | .63 |
| 34 H 8860 | 6178 | 120 | 22 K | .63 |
| 34 H 8861 | 6153 | 120 | None | .63 |
| 34 H 8862 | 6179 | 180 | $39 K$ | .63 |
| 34 H 8863 | 6180 | 180 | None | .63 |
| 34 H 8864 | 6154 | 200 | None | .63 |
| 34 H 8865 | 6173 | 250 | 22 K | .63 |
| 34 H 8866 | 6181 | 250 | None | .63 |
| 34 H 8867 | 6155 | 300 | None | .63 |
| 34 H 8868 | 6174 | 500 | None | .63 |

## HORIZONTAL LINEARITY

Iron core variable inductance coils for line. arity and width adjustment. Wound on a bakelite form $36^{\prime \prime}$ in diameter. Mtg. clip fits $X_{0}^{\prime \prime}$ hole. 6300's-phenalic ferm. Avg. shpg. wt., 402.

| Stock No. | Type | Millihenries | Net |
| :---: | :---: | :---: | :---: |
| 34 H 8836 | 6195 | .185-1.000 | 1.14 |
| 34 H 8838 | 6196.A | .054-.50 Tapped | 1.11 |
| 34 H 8839 | 6197 | .550-2.300 Tapped | 1.11 |
| 34 H 8841 | 6199-A | 1.300-4.100 Tapped | 1.17 |
| 34 H 8842 | 6199-8 | .500-1.700 | 1.14 |
| 34 H 8843 | 6313 | . $50-5.0$ | 1.32 |
| 34 H 8844 | 6314 | 2.0-18 | 1.32 |
| 34 H 8845 | 6315 | 4.0.30 | 1.32 |
| 34 H 8847 | 6317 | 3.2-9.0 With AGC | 1.65 |
| 34 H 8848 | 6318 | .20-3.0 | 1.23 |
| 34 H 8849 | 6319 | 15.60 | 1.65 |
| 34 H 8850 | 6320 | .20-3.0 Tapped | 1.26 |
| 34 H 8851 | 6321 | 1.0-5.0 Tapped | 1.53 |
| 34 H 8852 | 6322 | 1.5-10 | 1.26 |
| 34 H 8853 | 6323 | .50-5.0 Tapped | 1.53 |
| 34 H 8854 | 6324 | 60.130 Tapped | 1.65 |
| 34 H 8648 | 6329 | 2.2-10 Tapped | 1.65 |
| 34 H 8649 | 6330 | 45.215 | 1.80 |



The most popular replacement I.F. Ideal for experimenters. Exceptionally high gain powdered iron core, compression tuned 455 KC midget I.F.- only $3 / 4$ " square by $1 \% /{ }^{\prime \prime} \mathrm{high}$. For both input and output circuits. Supplied with mounting clip and adapter plate to replace both midget and larger size cans. Shpg. wt., 4025.
32 H 0946
Singly, each .89
Lots of 10 each .79

## TINY BROADCAST OSCILLATOR COIL



Utilizes 100 mmfd . Capacity Interwinding For use with 6SA7. 12SA7. 6BE6, 128E6, 707, and 1407 tubes in receivers having 455 KC 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 "x $\mathrm{H}^{\prime \prime}$ " permits its use in the most compact circuits. Shpg. wt., 802. 32 H 5540 Meissner 14 -1073

Net 2.10

## ECONOMY ADJUSTABLE

## R.F. CHOKES

A recently developed nylon molding process makes possible an inexpensive line of adjustable chokes. They are adjustable from either the top or the bottom, giving you design flexibllity. Mounting is achieved by way of a metal clip in a Ko" hole. Dimensions $3 / 6 \times 1 \geqslant 3$ " long. Shpg. wt., 402.

| Stock No. | Type | Microhenries | Net |
| :---: | :---: | :---: | :---: |
| 34 H 8950 | 4200 | Form only | . 75 |
| 34 H 8976 | 4202 | 1-2.5 | . 96 |
| 34 H 8977 | 4203 | 2-5.5 | . 99 |
| 34 H 8978 | 4204 | 5-12 | 1.02 |
| 34 H 8979 | 4205 | 10-25 | 1.05 |
| 34 H 8980 | 4206 | 20.55 | 1.14 |
| 34 H 8981 | 4207 | 50.140 | 1.17 |
| 34 H 8982 | 4208 | 120.330 | 1.20 |
| 34 H 8983 | 4209 | 310.860 | 1.23 |
| JW MIL AMPLI | $\begin{aligned} & 455 \\ & \text { MOL } \end{aligned}$ | + | 1 |

- Speeds Construction And Simpllfies Wiring
Pre-aligned integrated. 455 kc intermediate amplifier system consisting of a ceramic filter, transformers, 2 transistors plus diode and assoclated resistors and capacitors totating 24 components. Connections for AGC and tuning meter. Gain: 55 db ; Select v ity; $8 \mathrm{kc} @ 6 \mathrm{db}$; DC requirement; 2 ma@ 6 v . Fully shielded Size $1.5 \times .55 \times .51^{\prime \prime}$. Instructions supplied. Types 89018 \& 8902 B , supersede earller versions 8901 \& 8902 . Shown in some project requirements and may be used in their place. A tater project requires the new " 8 " versions and also requires one of the original 8901 matching transformers. Shpg. wt., 407. 89028 Amplifier Module
34 H 8655
Net 4.75 89018 Matching Input If Transformer 34 H 8656 ................................ 2.10 89038 Combination Offer (1 ea. of above) 34 H 8657
8901 - Injut If Transformer
34 H 8602
Net 5.75

To Speed lour Mail Order - Please Give Your Zip Code Number

# J.W. Miller Special Components and RF Coils <br> COMMUNICATIONS I.F. TRANSFORMERS 



Designed for experimental use in communications equipment where selectivity and stability are important. The 100 kc . 1.F. transtormer and BFO coil are intended for tube application, while the 455 kc . crystal filter I.f. transformers have taps on the winding to allow for use with both tubes and transistors. The 1800 kc . I.F. transformer offers the best possible " $Q$ " with stabillty to glve a degree of selectivity that compares with lower frequency I.F. transformers. This transformer is for use with tubes only. Type number 1770 is a double tuned 1.F. transformer having taps on both Primary and Secondary winding. Oimensions: $3 / 4$ " by $3 / 4$ " by $2^{2 "}$ high. Average shpr. wt. $50 z$.

| Stock No. | Type | Oescription | Net |
| :---: | :---: | :---: | :---: |
| 34 H 8640 | 1709 | 100 KC I.F.-2.5 KC Bandwidth | 2.5 |
| 34 H 8784 | 1710 | 100 KC I.F. -3 KC Bandwidth | 2.10 |
| 34 H 8785 | 1711 | $100 \mathrm{KC} \mathrm{B.F.O}$ | 1.95 |
| 34 H 8786 | 1725 | 455 KC Crystal Filter I.F. Input | 2.16 |
| 34 H 8787 | 1726 | 455 KC Crystal Filter I.F. Output | 1.95 |
| 34 H 8788 | 1727 | 455 KC B.F.O. | 30 |
| 34 H 8789 | 1730 | 1800 KC I.F.- 25 KC Bandwidth | 2.10 |
| 34 H 8790 | 1770 | 455 KC Double Tuned Transistor I.F.-30 |  |
| 34 H 8791 | 1731 | 1610 KC Link Coupling Coil Unshlelded | 2.37 |
| 34 H 8641 | 1732 | 1650 KC I.F. (Citizens Band Transceivers) | 2.10 |
| 34 H 8642 | 1733 | 1650 KC Printed Circuit I.F. | 2.10 |
| 34 H 8643 | 1740 | 9 Mc S.S.B. Input Trans. | 2.10 |
| 34 H 8639 | 1741 | 9 Mc S.S.B. Output Trans. | 2.10 | nated tubing which can be certified to MIL-P-79B type PBG. Combines good mechanical and electrical characteristics. Dimensions: $1 / 4^{\prime \prime}$ dia. $x$ 'ro" long. Avg. shpg. wt., $40 z$.


| Stock No. | $\begin{gathered} \text { Type } \\ \text { No. } 20 \text { - } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Max. } \mu \mathrm{h} \\ & \pm 5 \% \end{aligned}$ | $\begin{aligned} & \operatorname{Min}_{ \pm 10 \%} . \mu h \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: |
| 34 H 8944 | 107RBI | . 088 | . 120 | 1.02 |
| 34 H 8941 | 157RBI | . 108 | . 180 | 1.02 |
| 34 H 8942 | 227RBI | . 162 | 264 | 1.02 |
| 34 H 8940 | 477RBI | . 356 | 564 | 1.08 |
| 34 H 8937 | 687RBI | . 508 | . 816 | 1.18 |
| 34 H 8938 | 827 RBI | 735 | 984 | 1.08 |
| 34 H 8935 | 106RBI | . 885 | 1.20 | 1.08 |
| 34 H 8936 | 156RBI | 1.08 | 1.80 | 1.08 |
| 34 H 8933 | 226RBI | 1.62 | 2.64 | 1.08 |
| 34 H 8934 | 336R8I | 2.38 | 3.96 | 1.08 |
| 34 H 8932 | 686RBI | 5.08 | 8.16 | 1.08 |
| 34 H 8929 | 826RBI | 7.35 | 9.84 | 1.08 |
| 34 H 8927 | 155RBI | 10.8 | 18.0 | 1.20 |
| 34 H 8928 | $225 R 81$ | 16.2 | 26.4 | 1.20 |
| 34 H 8925 | 335RBI | 23.8 | 39.6 | 1.20 |
| 34 H 8921 | 104RBI | 88.5 | 120. | 1.20 |
| 34 H 8922 | 154 RBI | 108. | 180. | 1.23 |
| 34 H 8917 | 474R8I | 356. | 564. | 1.23 |

STANOARO AOJUSTABLE R.F. COILS
Dimensions $3 / \mathbf{c}^{\prime \prime}$ dia. $\times 11 / \mathbf{c}^{\prime \prime}$ long

|  |  | L Max. | LMin. |  |
| :--- | :---: | :---: | :---: | :---: |
| Stock No. Type 21A- | $\mu h$ | $\mu h$ | Net |  |
| 34 H 8910 | $226 R B I$ | 1.62 | 2.64 | 1.11 |
| 34 H 8904 | $826 R B I$ | 7.35 | 9.84 | 1.11 |
| 34 H 8905 | $105 R B I$ | 8.85 | 12.0 | 1.23 |
| 34 H 8899 | $104 R B I$ | 88.5 | 120. | 1.30 |
| 34 H 8897 | $224 R B I$ | 162. | 264. | 1.30 |
| 34 H 8895 | $824 R B 1$ | 735. | 984. | 1.38 |
| 34 H 8891 | 153RBI | 1.08 | 1.80 | 1.38 |

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 coll for a pardicutar application. Designed to cover the major Amateur, Industrial, and Citizens bands.

Stock No. Type No. 1 Mc. Fig. Net 34 H 8969 RFC. $14 \quad 84$ uh $7.20 \quad 1 \quad 1.11$ | 34 | H 8970 | RFC. 21 | 38.5 | uh | $15-30$ | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 34 | 87 |  |  |  |  |  |


 34 H 8975 RFC-420 . 22 uh $325-5002$. 72

FM STEREO MULTIPLEX INDUCTORS
For use in FM stereo Multiplex tuners and recelvers, both standard and printed circuit. Size: $3 / /^{\circ "}$ sq. $\times 1 / 32^{\prime \prime}$ high. Shpg, wt., 402.

STANDARD

| Stock No. | Type | Description | Net |
| :---: | :---: | :---: | :---: |
| 34 H 8874 | 1351 | Low Pass Filter | 1.95 |
| 34 H 8875 | 1352 | Band Pass Filter Series Element | 1.80 |
| 34 H 8876 | 1353 | Band Pass Filter Shunt Element | 1.80 |
| 34 H 8877 | 1354 | Locked Oscillator 19 kc . | 2.55 |
| 34 H 8878 | 1355 | Output Transformer 38 kc . PRINTEO CIRCUIT | 2.40 |
| 34 H 8879 | 1351-PC | Low Pass filter | 1.95 |
| 34 H 8880 | $1352 . \mathrm{PC}$ | Band Pass Filter Series Element | 1.80 |
| 34 H 8881 | 1353 -PC | Band Pass Filter Shunt Element | 1.95 |
| 34 H 8882 | 1354 -PC | Locked Oscillator, 19 kc . | 2.25 |
| 34 H 8883 | $1355 . \mathrm{PC}$ | Output Transformer, 38 kc . | 2.25 | For use in a newly designed circuit that eliminates the 19 kc Oscilla tor and resulting synchronizing problems. in conjunction with an improved low pass filter and detecting system. Improved separation can be achleved.


| Stock No. | Type | Description | Net |
| :--- | :--- | :--- | :--- |
| 34 H 8781 | 1356 | 19 Kc. Output | 2.31 |
| 34 H 8782 | 1357 | 38 Kc. Input | 2.25 |
| 34 H 8783 | 1358 | Low Pass Filter | 2.40 |

## FERRITE CORE

 R.F. CHOKESA new series of R.F. Chokes taking advantage of the high permeability of ferrite cores. These chokes combine high inductance and Iow D.C. resistance. Size: $1 / 4^{\prime \prime}$ diameter $x$ 7/8" long. $11 / 2^{N}$ axial leads.

| Stack No. | Type | mh | Ohms. <br> Max. | MA. | Net |
| :--- | :---: | :---: | :---: | :---: | ---: |
| $\mathbf{3 4}$ H 8792 | 6302 | 2.5 | 9 | 160 | .93 |
| 34 H 8793 | 6304 | 5 | 14 | 160 | 1.08 |
| 34 H 8794 | 6306 | 10 | 31 | 100 | 1.20 |
| 34 H 8795 | 6308 | 25 | 82 | 65 | 1.26 |
| 34 H 8796 | 6310 | 50 | 127 | 65 | 1.44 |


| Powdered iron core. Inductance tolerance $\pm 5 \%$. Size: $11 / 6^{\prime \prime}$ dia. $x 5 / 6^{\prime \prime}$ high. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type | mh | Ohms Max. | MA. | Net |
| 34 H 8797 | 951 | . 5 | 8.40 | 125 | 99 |
| 34 H 8798 | 954 | 5.0 | 34.8 | 125 | 1.05 |
| 34 H 8799 | 956 | 10.0 | 56.4 | 125 | 1.20 |
| 34 H 8822 | 957 | 25.0 | 99.5 | 100 | 1.32 |
| 34 H 8823 | 958 | 50.0 | 156 | 100 | 1.50 |
| 34 H 8824 | 959 | 75.0 | 204 | 100 | 1.65 |
| 34 H 8825 | 960 | 100.0 | 240 | 100 | 1.86 |
| 34 H 8826 | 961 | 150.0 | 312 | 100 | 1.98 |

## 

$+2 n^{2}=$

## PHENOLIC FORM 3.SECTION WINOINGS

|  | Size: Ka" dia, $\times 3 / 4$ " long. |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Tyoe | mh | Ohms Max. ma | Net |  |
| 34 H 8827 | 4646 | 0.24 | 8.16 | 125 | .66 |
| 34 H 8828 | 4649 | 0.55 | 13.2 | 125 | .72 |
| 34 H 8829 | 4652 | 1.0 | 19.8 | 125 | .72 |
| SUBMINIATURE AOJUSTABLE R.F. COILS |  |  |  |  |  | These compact adjustable coils offer a minimum two-to-one inductance range with relatively small changes in 0 . The funing 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. $\times 5 / 6^{\prime \prime}$ high. Avg, shpg. wt., 4 oz .


| Stock No. | $\begin{aligned} & \text { Type } \\ & \text { No. } \end{aligned}$ | 1 Min. | 1 Max. | $\begin{aligned} & \text { Dist } \\ & C(p f) \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 895 | 9054 | 28.0 uh | 60.0 | 11.0 | 86 |
| 34 H 8959 | 9056 | 120.0 uh | 280.0 uh | 9.0 | 1.86 |
| 34 H 8961 | 9058 | 650.0 uh | 1.3 Mh | 8.0 | 1.95 |
| 34 H 8962 | 9059 | 1.3 Mh | 3.0 Mh | 16.0 | 1.95 |
| 34 H 8963 | 9060 | 3.0 Mh | 10.0 Mh | 70 | . 10 |
| 34 H 8964 | 9061 | 8.0 Mh | 0.0Mh |  |  |
| 34 H | 9062 | 15.0 Mh | , |  |  |
|  |  |  |  |  |  |

AOJUSTABLE CERAMIC FORMS ANO R.F. COILS

Permeability tuned coils wound on silicone imprepnated ceramic forms. Hardware necessary for assembly is supplied.

## STANOARO AOJUSTABLE <br> CERAMIC FORM <br> ANO R.F. COILS

Dimensions (form): $3 / \mathrm{B}^{\prime \prime}$ diameter $\times 1 \mathrm{Kn}^{\prime \prime \prime}$ long.

| Stock No. | Type | Microhenries | Net |
| :---: | :---: | :---: | :---: |
| 34 H 8951 | 4400 | Form Only | 1.32 |
| 34 H 8753 | 4404 | 1.6-3.1 | 1.77 |
| 34 H 8754 | 4405 | 3.3-6.5 | 1.80 |
| 34 H 8755 | 4406 | 7.3-14 | 1.86 |
| 34 H 8756 | 4407 | 16-29 | 1.92 |
| 34 H 8757 | 4408 | 33.66 | 1.98 |
| 34 H 8758 | 4409 | 74.124 | 2.04 |
| 34 H 8759 | 4410 | 138-238 | 2.07 |
| 34 H 8760 | 4411 | 270.451 | 2.10 |
| 34 H 8761 | 4412 | 495-760 | 2.13 |
| 34 H 8762 | 4413 | 825-1300 | 2.16 |
| 34 H 8763 | 4414 | 1400-2000 | 2.16 |
|  | AOJU | NIATURE BLE R.F. C <br> 0 FORM |  |


| Stock No. | Type | Microhenries | Net |
| :---: | :---: | :---: | :---: |
| 34 H 8952 | 4500 | Form Only | 1.17 |
| 34 H 8765 | 4501 | .44. 76 | 1.59 |
| 34 H 6766 | 4502 | 1.1-1.5 | 1.59 |
| 34 H 8767 | 4503 | 1.7-2.7 | 1.59 |
| 34 H 8768 | 4504 | 3.1-4.8 | 1.59 |
| 34 H 8769 | 4505 | 5.5-8.6 | 1.65 |
| 34 H 8770 | 4511 | 66.114 | 1.86 |
| 34 H 8771 | 4512 | 120-190 | 1.89 |



Oimensions (form): $K_{4}{ }^{\prime \prime}$ diameter $\times 5 / 6^{\prime \prime}$ long.

| Stock No. | Type | Microhenries | Net |
| :--- | :---: | :---: | :---: |
| 34 H 8772 | 4300 | Form Only | 1.08 |
| 34 H 8773 | 4301 | $.19 . .25$ | 1.50 |
| 34 H 8774 | 4302 | $.30-.39$ | 1.50 |
| 34 H 8775 | 4303 | $.44-.62$ | 1.56 |
| 34 H 8776 | 4304 | $.77 . .90$ | 1.59 |
| 34 H 8777 | 4305 | $1.0-1.4$ | 1.65 |
| 34 H 8778 | 4306 | $1.6-2.4$ | 1.71 |
| 34 H 8779 | 4307 | $2.7-4.2$ | 1.77 |
| 34 H 8780 | 4308 | 4.7 .6 .8 | 1.80 |

# 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 high arc resistant． ＇1／2，dia．threaded stem．Length of stem ${ }^{1} x_{2}$ except $+11 / 1_{2}$ and＂ $1 / 4$ ．All have solder lug terminals except＂ 6 ＂wire leads．§ screw terminals．All 3 amps at 250 V except $\ddagger 1$ amp． U．L．Ilsted，Avg．shpg．wt．， 3 oz．

| Stock No． | Mir＇s．Type | Con－ tacts | Fig． | $\begin{aligned} & \text { Amps } \\ & 125 \mathrm{y} \end{aligned}$ | 1.9 | 10.99 | $\begin{aligned} & 100- \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 3302 | 8280－K14＊ | SPST | A | 3 | 56 | ． 47 | 38 |
| 34 H 3303 | 8280．K15 $\dagger$ | SPST | A | 3 | 56 | ． 47 | 8 |
| 34 H 3304 | 8280－k16 | SPST | A | 3 | ． 56 | ． 47 | ． 38 |
| 34 H 3305 | 8282－k13＋1 | SPDT | G | 3 | ． 71 | ． 59 | 49 |
| 34 H 3306 | 8282－K14才 | SPDT | G | 3 | 71 | ． 59 | 49 |
| 34 H 3307 | 8282－K12＊ | SPDT | G | 3 | 71 | ． 59 | 49 |
| 34 H 3308 | 8284－K14才 | 2 Circ． | G | 3 | 75 | ． 63 | 52 |
| 34 H 3309 | 8290－k15t＂ | SPST | 8 | 3 | ． 68 | ． 57 | 47 |
| 34 H 3310 | 8290－K16＂ | SPST | 8 | 3 | ． 68 | ． 57 | 47 |
| 34 H 3311 | 8295－K7¢§ | SPST | c | 3 | ． 68 | ． 57 | 47 |
| 34 H 3312 | 8295－k8§ | SPST | c | 3 | ． 68 |  | 47 |
| 34 H 3313 | 8360－K6 ${ }^{\text {．}}$ | DPST | G | 3 | 1.02 | ． 85 | ． 70 |
| 34 H 3314 | 8360－k7 | DPST |  | 3 | 1.02 | ． 85 | ． 70 |
| 34 H 3315 | 8360－k8 $\dagger$ | DPST | G | 3 | 1.02 | ． 85 | ． 70 |
| 34 H 3316 | 8363－K6＊ | DPDT | E | 3 | 1.17 | ． 97 | 80 |
| 34 H 3317 | 8363 k7 | DPDT | E | 3 | 1.17 | ． 97 | ． 80 |
| 34 H 3318 | $8363 . \mathrm{k}+\dagger$ | DPDT | E | 3 | 1.17 | ． 97 | ． 80 |
| 34 H 3319 | 8365－k75 | DPDT | D | 3 | 1.54 | 1.28 | $\cdot 1.06$ |
| 34 H 3320 | 8370－k7 | DPST |  | 6 | 1.09 | ． 91 | ． 74 |
| 34 H 3321 | 8370－K8 $\dagger$ | DPST | G | 6 | 1.09 | ． 91 | 74 |
| 34 H 3322 | 8372－K75 | DPST | D | 6 | 1.33 | 1.11 | 91 |
| 34 H 3323 | 8373．k7 | DPDT | E | 6 | 1.25 | 1.04 | ． 86 |
| 34 H 3324 | 8373．K8 $\dagger$ | DPDT | E | 6 | 1.25 | 1.04 | 86 |
| 34 H 3325 | 8375－k75 | DPDT | 0 | 6 | 1.61 | 1.34 | 1.11 |
| 34 H 3326 | 8381－k7 | SPST | A | 6 | ． 64 | ． 53 | ． 44 |
| 34 H 3327 | 8381－k8 | SPST | A | 6 | 64 | ． 53 | 44 |
| 34 H 3328 | 8391－k7 \＃$\dagger$ | SPST | B | 6 | ． 76 | ． 64 | 52 |
| 34 H 3329 | 8391－K8\＃ | SPST | 8 | 6 | ． 76 | ． 64 | 52 |
| 34 H 3330 | 8396－K75 $\dagger$ | SPST | c | 6 | ． 76 | ． 64 | ． 52 |
| 34 H 3331 | 8396－K8§ | SPST | C | 6 | ． 76 | 64 | 52 |

## STANDARD DUTY－ 8 to 16 AMPS

Quick make quick break contact mechanism eliminates pit ting caused by high arcing．These long life switches are primarily designed for use on small molors and similar equipment．All in baketite case with screw terminals． $11 / 2$, threaded stem x ${ }^{1} \times$ ，long except＊ 2 ＂mounting center，+ ＂／on stem length．U．L．listed．All 8 amp at 250 V and 16 amp at 125 V ，except $\ddagger 5 \mathrm{amps}$ at 250 V ．Avg．shpg．wt．． 3 oz．
 34 H 3332 7320－K2 $\dagger$ 34 н $3394 \quad 7320 \mathrm{k} 3$ 34 H 3333 7321－K2† 34 н 3395 7321－K3 34 ल 3396 7330．K2． 34 H $33348680 \cdot \mathrm{Kl}$＋

## HEAVY DUTY－ 15 to 20 AMPS

Switches contain heavy parts，larger clearances and higher ratings．Handle large motors and heavier loads．Longer life on lighier loads．All Bakellte bodies．screw terminals and quick make and break contacts．1／22 threaded stem $1 / \%_{2}$ long except－11／2 stem，y flush mig．types with $2^{\text {＂，}}$ centers．U．L listed．All 10 amps at 250 V except $\ddagger 20$ amps．Shpg．wt．， 302

| Stock No． | Con－ tacts | Mfr＇s． Type | $\begin{array}{r} \text { Amps } \\ \text { Fig. } \\ \hline \end{array}$ | 1.9 | 10.99 | $\begin{aligned} & 100 . \\ & 4999 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 3335 | 7360 － $7^{*}$ | DPST | H 20 | 1.95 | 1.63 | 1.34 |
| 34 H 3336 | 7360－k8 | DPST | H 20 | 1.95 | 1.63 | 1.34 |
| 34 H 3337 | 7361－K5 | SPST | H 20 | 1.95 | 1.63 | 1.34 |
| 34 H 3338 | $7370 \cdot \mathrm{k} 2 \dagger$ | DPST | P 20 | 1.95 | 1.63 | 1.34 |
| 34 H 3339 | 7402－k3t＊ | DPST | H 20 | 2.62 | 2.19 | 1.79 |
| 34 H 3340 | 7402－K4\％ | DPST | H 20 | 2.62 | 2.19 | 1.79 |
| 34 H 3341 | 7410－k4tł | DPST | P 11／2 H．P． | 2.62 | 2.19 | 1.79 |
| 34 H 3342 | 8690－k2 | DPDT | 15 | 4.10 | 3.42 | 2.81 |
|  | SPST | MID | ET SW | TCH |  |  |

Type 8097．k3．Bat handle $3 / 0$ al from end of threaded stem． 3 Amps at 125 V AC．． 75 at 250 V DC．Screw terminals Threaded stem dia．＇13，2，stem length $11 / 2$ ．Shpg．wt．， 2 oz
$\begin{array}{lllll}\text { Stock No．} & \text { Fig．} & 1.9 & \begin{array}{c}\text { Net Each } \\ 10.99\end{array} & 100.499\end{array}$


## AC TOGGLE SWITCHES LIGHT DUTY－ 6 AMPS

For use in radios，appllances and other equipment which use snap action mechanism．All rated 6 amps at 125 V and 3 amps at 250 V ．－Center－off position．Threaded stems are 1／s，in． dia．，stem length＇s／zz．U．L．listed．Avg．shpg．wt．， 3 oz．$\dagger$ indicates screw terminals．\＆indicates solder terminals．

Stock No．Mir＇s．Type Contacts Fig． 1.9

Net Each

| 34 H 3343 | 7580－K4 $\dagger$ | SPST | K | ． 56 | ． 47 | ． 38 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 H 3344 | 7580－K6 | SPST | K | ． 49 | ． 41 | ． 33 |
| 34 H 3345 | 7581－K4 ${ }^{\text {＊}}$ | SPDT | K | ． 64 | ． 53 | ． 44 |
| 34 H 3346 | 7581－K6＊＊ | SPDT | K | ． 52 | ． 43 | ． 35 |
| 34 H 3350 | 7582．K4 $\dagger$ | SPDT | k | ． 64 | ． 53 | ． 44 |
| 34 H 3351 | 7582－K6 | SPDT | K | ． 52 | ． 43 | ． 35 |
| 34 H 3352 | 7590－K4t | DPST | $F$ | ． 80 | ． 67 | ． 55 |
| 34 H 3353 | 7590－K6 | DPST | $F$ | ． 70 | ． 59 | ． 48 |
| 34 H 3354 | 7591－K4t＊ | DPDT | $F$ | 1.02 | ． 85 | 70 |
| 34 H 3355 | 7591．K64＊ | DPDT | F | ． 78 | ． 65 | ． 54 |
| 34 H 3356 | 7592－K4 $\dagger$ | DPDT | F | 1.02 | ． 85 | ． 70 |
| 34 H 3357 | 7592－K64 | DPDT | F | ． 78 | ． 65 | ． 54 |

## STANDARD DUTY－ 10 to 15 AMPS

Slow make，slow break mechanism．All have $15 / 22$ diameter threaded stem．${ }^{15 / 32}$ long except $\S 11 / 2$ long，and $\Delta$ are flush mount types with $7 / 0^{\prime \prime}$ centers，＂center off，all rated 10 amps at 250 V AC and 15 amps at 125 V AC．U．L．Iisted． Avg．shpg．wt．． 3 oz．$\dagger$ indicates screw terminal．$\ddagger$ indi cates solder terminals．
Stock No．Mfr＇s．Type Contacts Fig．$\quad$ 1．9 $\begin{array}{llll}\text { Net Each } \\ 10-99 \quad 100-499\end{array}$ 34 H 3358 7500－K134§ 34 H 3359 7500－K14t 34 H 3360 7501－K12 $\ddagger$ § $\begin{array}{lll}34 & \text { H } 3361 & 7501-K 13 亡 \\ 34 & \text { H } 3362 & 7502-K 12+6\end{array}$ $\begin{array}{lll}34 & \text { H } 3362 & 7502-K 12 \nmid \S^{\circ} \\ 34 & \text { H } 3363 & 7502-K 13 t^{\circ}\end{array}$ 34 H 3364 7503－K12t $\delta^{\circ}$ 34 H 3365 7503．K13 ${ }^{*}$ 34 H $3366 \quad 7504-\mathrm{K} 3 \uparrow \S$ $\begin{array}{lll}34 & \text { H } 3367 & 7504-K 4 \dagger \\ 34 & H 368 & 7505 \cdot K 3+5\end{array}$ 34 H 3369 7505．K4 $\ddagger$ 34 H $3370 \quad 7560-\mathrm{K} 5 \dagger$ 34 H $3371 \quad 7560 \cdot \mathrm{~K} 6 \nmid §$ 34 H $3372 \quad 7561 \cdot K 4 \ddagger$ 34 H 3373 7561－K5 $\ddagger$ § $\begin{array}{lll}34 & H 3374 & 7562-K 4 t^{*} \\ 34 & \mathrm{H} 3375 & 7562-\mathrm{K} 5 \text { § }^{*}\end{array}$ $\begin{array}{lll}34 & H 3375 & 7562-K 5 t \\ 34 & \mathbf{H} 376 & 7563-K 4 t\end{array}$ 34 H 3377 7563．K54．§ 34 H 3378 7564．K6 $\begin{array}{ll}34 & H 3379 \\ 34 & 7564 \cdot K 7 \uparrow 5\end{array}$ $\begin{array}{lll}34 & H 3380 & 7565 \cdot K 5 \ddagger \\ 34 & \text { H } 3381 & 7565 \cdot K 6 \$ §\end{array}$ $\begin{array}{ll}34 & \text { H } 3382 \\ 34 & 7600-K 3 \uparrow \triangle \\ 34 & H 383 \\ 7602\end{array}$ 34 H 3384 7610－K2t $\begin{array}{lll}34 \text { H } 3385 & 7611-K 21 \\ 34 & H 3386 & 7612-K 2 \dagger^{\circ}\end{array}$ $\begin{array}{ll}34 \mathrm{H} 3387 & 7613-\mathrm{K} 2 \not{ }^{\circ} \\ 34 \mathrm{H} 3388 & 7614 . \mathrm{K} 2 \dagger\end{array}$ 34 H 33897615 K2

HEAVY DUTY
SPST
SPST
SPST
SPST
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3PST
3PDT
3PST
3PST
3PDT
3PDT
3PDT
3PDT
.64

| .53 | .44 |
| ---: | ---: |
| .53 | .44 |
| .47 | .38 |
| .47 | .38 |
| .64 | .52 |
| .64 | .52 |
| .53 | .44 |
| .53 | .44 |
| .64 | .52 |
| .64 | .52 |
| .53 | .44 |
| .53 | .44 |
| .85 | .70 |
| .85 | .70 |
| .72 | .59 |
| .72 | .59 |
| 1.05 | .86 |
| 1.05 | .86 |
| .85 | .70 |
| .85 | .70 |
| 1.05 | .86 |
| 1.05 | .86 |
| .85 | .70 |
| .85 | .70 |
| 1.72 | 1.41 |
| 2.18 | 1.79 |
| 1.72 | 1.41 |
| 1.47 | 1.21 |
| 2.18 | 1.79 |
| 1.81 | 1.50 |
| 2.18 | 1.79 |
| 1.81 | 1.50 |
| .08 |  |



Rugged Bakelite housings．Switches rated 20 amps at 250 V AC．Screw terminals．U．L．listed． $8320 \cdot \mathrm{~K} 1$ has $1 / \mathrm{s}_{2}$ dia．$x$ 1532＂long stem for one hole mtg．8337－K2 is flush outlet box mig．type with $3 \%$ mig．centers．Shpg．wt．， 3 oz ．

|  | Con－ |  |  |  | Net Each |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No． | Mir＇s．Type tacts | Fig． | $\mathbf{1 . 9}$ | 10.99 | $100-499$ |  |  |  |
| 34 H 3390 | $8320-K 1$ | 3PST | S | 3.76 | 3.14 | 2.58 |  |  |
| 34 H 3391 | $8337-K 2$ | 3PST | R | 3.76 | 3.14 | 2.58 |  |  |

## ＂ROCKETTE＂SWITCHES FIg．T

Modern design，dependable，with nylon rocker type actuator．Fast connect ． $250^{\circ}$ terminals except＂has screw terminals $6-32$ tapped mte．holes on $1^{5} \mathbf{b o g}^{\prime \prime}$ ctrs． Requires $11 / 4 \times 1 / 10^{\circ "}$ hole．U．L．and CSA listed．

Stock No．Mig．Type 125 Y 250 V Cont． $1.9 \quad 10.99 \quad 100$－up 34 H 3416 8134K21A1M52 34 H $34168134 \mathrm{K21A1M52}$ 34 H 3417 8134K20A1M52 $\begin{array}{ll}34 \text { H } 3414 & 8132 \mathrm{~K} 21 E 6 \text { W52 } \\ 34 \text { H } 3415 & 8132 \mathrm{~K} 20 E 6 \mathrm{MS2}\end{array}$ 34 H 3412 8144K2IA1M52 15 $\begin{array}{lll}34 \text { H } 3413 & 8144 K 21 A 1 M 50 * & 15 \\ 34 \text { H } 3410 & 8144 K 20 A 1 M 52\end{array}$ $\begin{array}{llll}34 \text { H } 3410 & 8144 \text { K20A1M52 } & 15 \\ 34 \text { H } 3411 & 8142 K 21 E 6 M 52 & 15\end{array}$ 34 H $3408 \quad 8142 \mathrm{~K} 21 E 6 \mathrm{M} 50^{*} 15$ | 34 H 3409 | 8142 K 20 E 6 M52 | 15 | 10 | DPST | 1.10 | .92 | .75 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

# Switches-Toggle, Push-Button, Slide \& Telephone 


(A) SPST BAT HANDLE

Rated 3 amps -125 V . Body size $11 / \mathrm{s} \times 3 / 4 \times 1 / 2^{\prime \prime}$ behind panel. Bushing $7 / 16^{\prime \prime}$ diam. $7 / 16^{*}$ long. Bat handle $1 / 2^{\prime \prime}$ long. Shpg. wt., 3 oz . Imported.
99 H 6150
Net ea. . 25
In lots of 10, ea. 22
(B) HEAVY DUTY 6 AMP DPDT

Rated 250 V at 3 Amps or 125 V at 6 amps. Switch body $11 / 4 \times 3 / 4 \times 7 / 8^{2}$ behind panel including terminals. Bushings $15 / 32^{\prime \prime}$ Dia., $7 / 16^{\prime \prime}$ long. Bat handle $1 / 2^{\prime \prime}$ long. Shpg. wt., 3 oz. Imported.
99 H 6151 $\qquad$ Net ea. . 35
In lots of 10 , ea, .32

## (C) 6 AMP. DPDT CENTER OFF

Rated 6 amps, 125 V.A.C. 1 hox $3 / 4 \times 1$ " behind panel including screw terminals. Bushing $7 / 16$ $x 7 / 16^{\prime \prime} .5 / 8^{\circ \prime}$ bat handle. Shpg. wt., 3 oz . Imported.
99 H 6148
Net ea. . 49
In lots of 10, ea. . 45

## (D) 10 AMP. SPDT CENTER OFF

Rated 10 amps at 125 V . Silvered lugs for low loss connections. Body size $11 / 8 \times 9 / 16 \times 5 / 8^{\prime \prime}$ depth behind panel. Bushings 3/8" Dia., $7 / 16^{*}$ long. Bat handle $1 / 2^{\prime \prime}$ long. Shpg. wt., 3 07. Imported.
99 H 6155
Net ea. . 39
Lots of lo. ea. . 35

(A) MINIATURE MOMENTARY

Momentary contact push-button switch ideal for all miniaturized applications. Single pole two circuit push-to-make type. Berylium copper leaf contacts. Overall diameter $1 / 2^{\prime \prime}$, overall depth $11 / 6^{\prime \prime}$, protrudes $3 / 8^{\prime \prime}$ behind panel. Bushing $1 / 4^{\prime \prime}$ dia., $3 / 16^{* \prime}$ long. Supplied with washer and mounting nut. Shpg. wt., 3 oz. Imported.
99 H 6218 Miniature Push-Button 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 $3 / 8 \times 3 / 4$ " L . Bushing $1 / 4^{\prime \prime}$ long. Shpg. wt., 1 oz. Imported. 99 H 6159

| In lots of 10, ea..$~$ |
| :---: |

(B) ILLUMINATED 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 conventional switches. Lamp is built into push handle, SPST Type. Current capacity, 10 Amps at 125 V AC, 6 a at 250 V AC: Insulation resistance, 100 meg ohms or more at 500 V DC. Solder terminals. Single-hole mitg. Mount in $13 / 64$ hole, $11 / 2^{\prime \prime}$ behind panel. Shpg. wt., 4 02. Imported.
99 H 6192
Net 1.75
(D) MINIATURE 4 PDT SPRING RETURN

Push bulton switch. ideal for ham or citizens band. Rated at 800 milliamps for 100 V AC. Ideal for transistor application. Heavy duty spring. Two circuit operation. Measures $11 / 2 x$ thox $x^{1 / 2}$ plus $1 / 2^{\prime \prime}$ plunger. Shpg. wt., 3 oz. Imported.
99 H 6175
Net ea. . 69


- Keeps light on for 60 seconds after turning off switch
For the car. Keeps car lights on for 60 seconds while you walk to house then turns them off automatically. Easy to install in any 6 or 12 volt car. $31 / 4 \times 1 \% /{ }^{\circ}$ diam
34 H 4601 (Fig. B) Shpg. wt., 6 oz. Net 2.19 for the home. Instalt in regular wall outlet. Keeps outside lights on for 60 seconds while you go to cer. Rated 10 amps 125 V . 34 H 3805 (Fig. A) Shpg. wt.; 5 oz . Net 2.19


## (9x+mots <br> 4PDT MINIATURE SLIDE SWITCH

Panel mount. Current capacity 500 ma at 100 V AC. Contact resistance $1 / 2 \mathrm{ohm}$ at 500 volts. Measures 1 Y/ Lx $5 / 16$ Wx9/16"D. Mounting center 1 ks . Shpg. $w t$., 3 oz. Imported. 99 H 6176
in lots of 10, ea. . 55


MINIATURE 4 PDT DUAL SLIDE SWITCH

Panel mount. Rated at 500 milllamps for 125 V AC. Two slide switches in a single unit. Provides four circults with each section switching two circuits. Positive action. Measures $13 / 2 x$ $13 / 8 \times 15 /{ }^{\prime \prime}, 15 / 6^{\prime \prime}$ mounting centers. Shpg. wt. 304 . Imported.
99 H6173
Net ea, . 49

## RUGGED TELEPHONE TYPE APDT LEVER SWITCH

CHROME PLATED CAM $69^{\circ}$
Telephone Type 4 PDT. Lever switch: 3 posi tion lever action switch of non induction construction. Has 4 sets of SPDT contacts-Has 3 locking positions - Heavy insulated rollers. Panel mount, 15/16" mounting centers. Size: $21 /{ }^{\prime \prime}$ long behind panel, 5/8Wxly, "H. Shpg. wt., 3 oz. Imported
99 H 6149
Net ea, . 69
In lots of 10, ea. . 65

|  |  |  | DE S <br> LOW <br> lde sw <br> eel hou <br> at 125 <br> nting <br> 02. | ITCHES PRICES! <br> itches in sings. All volts AC. centers. |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Circuit | Each | Lots 10 Each | Lots 100 Each |
| 34 H 3703 | SPST | . 16 | 14 | . 11 |
| 34 H 3704 | SPDT | . 14 | . 13 | . 10 |
| 34 H 3911 | DPST | . 20 | . 19 | . 14 |
| 34 H 3912 | DPDT | . 19 | . 17 | . 13 |

## $39^{\circ}$ Munturn ipor

Perfect for uttra.small switch applications. Rated current capacity. 3 amps at 125 volts. Can withstand up to 1000 V AC. Solder lug terminals. Measures $15 / 16 \mathrm{~L} \times 1 / 4 \mathrm{~W} \times 3 / 8^{\prime \prime} \mathrm{D}$. Mounting centers: $13 / 16^{\prime \prime}$. Shpe. wt., 102. Imported.
99 H 6186
Net .39


3 PDT AC.DC SHde Switch: Rated at 500 microamps at 100 V . Solder lug terminals. Measures $3 / 4^{* W} \mathrm{~W}$ I $1 / \mathrm{m}^{\prime \prime} \mathrm{Lx} 7 / 8^{\prime \prime} \mathrm{D}$. Overall including $5 / 16^{\prime \prime}$ trigger. Mounting centers $1 \%{ }^{\prime \prime}$. Shpg. wt., 3 oz. Imported
99 H 6166
Net ea. 29
In lots of 10 , ea. . 25


Exceptionatly shallow design-only $1 / 8^{\prime \prime}$ deep for panel mounting. Contact resistance: 1/20 ohm of less; insul. res., 20 megohms at 500 V DC., max. AC current 0.5 amps. Withstands 600 V AC. Size $5 / 8 \mathrm{x}^{1 / 8} \mathrm{x} / 10^{\prime \prime}$. Size of switch body, mounting ears add $1 / 2^{\prime \prime}$ to overall length. MIg. centers $\mathbf{1}^{\prime \prime}$. Shipg. wt., 202.

99 H 6189 Imported
Net 29


## 4 POSITION SLIDE SWITCH $29^{\text {c }}$

4 Position Slide Switch: Compact 3 position 2 pole slide switch. Positive snap action. Silvered contacts. Measures $1 / 8 \times 7 / 8 \times 1 / 2^{\prime \prime}$ overall. Mig. Conters $1 \mathrm{~s} / \mathrm{a}^{\prime \prime}$. Mig. holes tapped for 4/40 screw. Shpg. wt., 3 0z. Imported.
99 H 6161

# Switches for Industry and Experimenters 

## MAGNETIC PROXIMITY SWITCH



- Magnet Switch-Circuit Closes When Magnet Approaches Switch - Hermetically Sealed

An ingenious little 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. Hormefically sealed; precious metal contacts; 1 millisecond actuation. 15 watts resistive max. up to 1 amp to 250 volts. Size: 2\%," with leads. Shpg. wt., 3 ozs. 34 H 4401

Net 1.74

## SWITCHCRAFT TINI-SWITCH

Subminiature push-button switch for use in limited space applica. tions. Specially useful in minia. turized-transistor devices, microphones, intercoms or wherever an extea small switch is desired. One. piece plastic shaft available in red or black. Suitable for low level circuits only. No $=$ normally open. NC $=$ normally closed. Threaded $1 / 4^{\prime \prime}$ bushing. "/18" long, requires $3 / 8^{\prime \prime}$ behind panel. Shpg. wt.. 3 az.


## hart and hegeman MOMENTARY PUSH BUTTON SWITCHES

Metal base push switches with laminated phenolic sections, slotted sleeve $15 / 32$ diam. by $9 / 16^{\prime \prime}$ long except $t$ are $7 / 16^{\prime \prime}$. All havo solder lug terminal, and plain tops except which have snap on buttons (specify red or black). Rated 1A-125V AC. Shpg. wt., 3 oz., buttons 102.

Net Each
Stock No. Mfr. No. 1.24, 25-49, 50.99

|  | NORMALLY CLOSED-2 | CIRCUIT |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 34 | H 3397 | $3392 E t$ | .87 | .80 |


| 34 | H3397 | $3392 E f$ | .87 | .80 |
| :--- | :--- | ---: | ---: | ---: |
| 34 H3398C | $3392 A^{*}$ | 1.08 | 1.00 | .83 |

34 H $3399 \quad 3392$. 87 . 80 . 67
34 H $3401 \mathrm{C} 3392 \mathrm{AE} 1.08 \quad 1.00$. 83
NORMALLY CLOSED-SPST
$\begin{array}{llllll}34 \mathrm{H} 3402 & 3391 & .68 & .62 & .52\end{array}$
34 H 3404 ORMALLY OPEN-SPST
$\begin{array}{lllll}34 \mathrm{H} 3404 & 3391 E & .68 & .62 & .52 \\ 34 \mathrm{H} 3405 \mathrm{C} & 3391 \mathrm{GL} & .88 & .82 & .68\end{array}$
34 H 34053391 194P Ded smap. . 82
button for all switches. Wt. 1 oz.
34 H 3407 3391.194B-Black snap-on button for all switches. Wt. 102. $\qquad$

## 4 POLE-3 POSITION



Four pole rotary selector switch, 3 positions per pole. Useful in hi-fi preamps and stereo applications. Spring loaded, positive detent action. Shorting type. Over-all diameter $11 /{ }^{\prime \prime}$ ". Depth behind panel, including lugs, $3 / 4^{\prime \prime}$. Bushing $3 / 8 \times 3 / 8^{\prime \prime} 1 / 4^{\circ}$ knurled shaft, $11 / 4^{\circ}$ long. Shpg. wt., 3 .ors. Imported 99 H 6156 ... Net ea. . 39 Lots of 10. ea. . 35

## RUGGED LEVER SWITCH FOR AUDIO AND INTERCOMS

## $89^{\circ}$



4 POT Audio Lever Switch: Has 4 sets of single pole, double throw contacts. Switch has three posifion with positive \& spring return. Panel mounting, mtg. centers $1^{\prime \prime}$ apart. Size $2 \mathrm{y} \mathrm{a}^{\prime \prime}$ long behind panel. $1 y_{10}{ }^{\prime \prime} \mathrm{W}$ 1" H. Imported. Shpg. wt., 302.
99 H 6158 Net ea. . 89

## ILLUMINATED "SEE-SAW" SWITCH

## $89^{\circ}$

SPST. Flip action, rocker arm type, rated at 125 V AC, 10 amp. Illuminated. Fully enclosed. Mounts flush in panels up to $1 / 8^{\prime \prime}$ thick. Requires mounting hole $11 / 2 \times 5 / 8^{\prime \prime}$. Mtg. centers $11 / 0^{\prime \prime}$. Shpg. wt. 20 . Imported.
99 H 6259


Net ea. . 89

## DPDT "SEE-SAW" SWITCH

## $59^{c}$



Flip action, rocker arm type equipment switch. Mounts flush in panel up to $1 / 8{ }^{\prime \prime}$ thick. Re: quires rectangular mounting hole $1 / 2 \times 11 /{ }^{\prime \prime}$ long. Mtg. centers $1 \frac{1}{1 / 3}$. Rated 4 amps at 125 V AC. Imported.
99 H 6157 Shpg. wt., 202.
Lots of 10 ea. . 53
MIDGET-BAKELITE KNIFE SWITCHES
As Low As
$12^{\circ}$


Complete switches mounted on black bake-lite base with insulated knob handle of black bakelite. Plated brass contacts provide positive low-resistance connection. Imported.

SPDT KNIFE SWITCH
Overall size $11 / 1 x^{2} 3 /{ }^{\prime \prime}$. Shog. wt., 6 oz.
99 H 6152 Net 12 ea.- 10 for .99 DPDT KNIFE SWITCH
Overall site $1 \% \times 2 \frac{1}{2}{ }^{\prime \prime}$. Shpg. Wt.. 4 or. 99 H 6153 Net 19 ea.—10 for 1.75

## MASTER DISCONNECT SWITCH



With a filp of a single lever protect cars, boats against fires resulting from shorts, battery run down due to appliances unknow. ingly left on, theft by ignition "jumping" (when mounted in concealed position). Per. fect for cars, boats, heavy equipment. All steel construction, operates on ball bearings for quick, easy operation and rapid reset. Fits 6 or 12 volts. Shpg. wt., 1 ib. 11 H 8701

Net 6.75


- For Burglar Alarm Systems
- Hidden Auto Disconnect
- Power Tool Safety Switch

Heavy duty bahelite construction insures minimum internal resistance and greater current carrying capacity. Entra heavy con. tacts. Terminals set for simple installation -well recessed to prevent shorting. Installs in any hote from $34^{\prime \prime}$ to $1 w^{\prime \prime}$ in dia., in any panel up to $\$ \psi^{*}$ thich. Two terminal single inrow. Key can ve removed in both "on" and "off" position. Prevents tampering with automotive equipment-power tools-electrical appliances. Activates alarm systemsonly hey can shut off. Suitable for marine equipment. With 2 heys. Shpe. wt.. 8 ars. 33 H 6401

Net 1.29

## 3-WAY SPEAKER SWITCH



Gives choice of front speaker alone, rear speaker alone, or both together. Comes completely assembled on black and sifver metal plate with ivory knob and cable for connection to both speakers. With hardware and simple instructions. Shpg. wt., 1/2 lb.
99 H 8508
Imported $\qquad$ Net .49

## 3-WAY <br> PUSH-BUTTON SWITCH



Just push a button to select either front speaker alone. rear speaker alone or both together. Comes completely assembled on black \& silver metal plate with cable, hard ware and simple instructions. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 H 8510 Lots of 3, ea, . 75 singly, ea, . 89

## SUBMINIATURE WAFER SWITCH

- Hearing Aid Type

- Only $3 / 4 \times 9 / 16 \times 3 / 16^{\prime \prime}$ Overall

Lever operated, single pole, three position wafer. Mtg. centers $1 / 2$ ". Contact arrangement shorts 2 circuits in each position. All con. tacts silvered, lever arm has finger grip. With mitg. hardware. Shpg. wt., 2 oz.
99 H 6180 Imported
Net ea. . 24
2 GANG 9 POLE 3 POSITION MINIATURE ROTARY

## SWITCH

## $59^{c}{ }^{\text {ea. }}$



Non-shorting type with 12 circults per gang or section. Rated current capacity is 50 ma at 100 V. A.C. Insulation resistance 100 meg. ohms at 500 V. D.C. Contact resistance without load is $1 / 100$ ohm at 6 V. D.C. Perfect for transistor applications. Mounting depth $1^{*}$ Diam. $5 / 8^{\prime \prime}$. 3/8" knurled shaft. Shpg. wt., 3 02. Imported.
99 H 6170
Net .59
3 GANG MINIATURE
Same as above but 3 gangs and mounting depth is $11 / 2^{\prime \prime}$. Shpg, wt., 4 oz . Imported. 99 H 6171

## MALIORY Switches and Dial Plates

## MALLORY SINGLE GANG ROTARY SWITCHES

(Fig. A) Single gang, phenolic wafer. $11 / 4^{\prime \prime}$ diameter and $30^{\circ}$ indexing except * are $111 / \mathrm{ch}^{\prime \prime}$ and have $20^{\circ}$ Indexing and adjustable stop. Voltage breakdown 300 VAC or DC. $2^{\prime \prime}$ notched shaft with $3 b^{\prime \prime}$ threaded bushing, $3^{\prime \prime}$ long. With bar knob, nut and lockwasher. Shpg. Wt., 402 ,

| Shortin Stock No. | $\begin{aligned} & \text { Type } \\ & \text { fy. No. } \end{aligned}$ | Non-Shorting Stock. No, Mfr. No. |  | Poles | Posi. tions | $\begin{aligned} & 1-4 \\ & \text { Exch } \end{aligned}$ | $\begin{gathered} 5-9 \\ \text { Each } \end{gathered}$ | $\begin{array}{r} 10.24 \\ \text { Each } \end{array}$ | $\begin{array}{r} 25.49 \\ \text { Each } \end{array}$ | $\begin{aligned} & 50-99 \\ & \text { Each } \end{aligned}$ | $\left[\begin{array}{l} \text { fGu } \\ 499 \\ \text { Each } \end{array}\right.$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4001 | 31151 | 30 H 4013 | 32151 | 1 | 5 | 1.02 | . 85 | . 77 | . 73 | . 68 | . 61 |
| 30 H 4002 | 31112J | 30 H 4014 | 321121 | 1 | 12 | 1.02 | . 85 | . 77 | . 73 | . 68 | . 61 |
| 30 H 4003 | 3122J | 30 H 4015 | 3222 J | 2 | 2 | 1.02 | . 85 | . 77 | . 73 | . 68 | . 61 |
| 30 H 4004 | 31221 | 30. 401018 | 32231 | 2 | 2 | 1.02 | . 85 | . 77 | . 73 | .68 68 | . 61 |
| 30 H 4005 | 31261 | 30 H 4017 | 3226J |  | 6 | 1.02 | . 85 | . 77 | . 73 | . 68 | . 61 |
| 30 H 4006 | 3134J | 30 H 4018 | 3234J | 3 | 4 | 1.05 | . 88 | . 79 | . 75 | . 70 | . 63 |
| 30 H 4007 | 3142J | 30 H 4019 | 3242J | 4 | 2 | 1.05 | . 88 | . 79 | . 75 | . 70 | . 63 |
| 30 H 4008 | 31431 | 30 H 4020 | 32431 | 4 | 3 | 1.05 | . 88 | . 79 | . 75 | 70 | . 63 |
| 30 H 4009 | 311171* | 30 H 4021 | 321171* | 1 | 17 | 1.56 | 1.30 | 1.17 | 1.11 | 1.04 | . 94 |
| 30 N 4010 | 3129J* | 30 H 4022 | 32291* | 2 | 9 | 1.56 | 1.30 | 1.17 | 1.11 | 1.04 | . 94 |
| 30 H 4011 | 3136J* | 30 H 4023 | 3236J* | 3 | 6 | 1.65 | 1.38 | 1.24 | 1.18 | 1.10 | . 99 |
| 30 N 4012 | 3163)* | 30 H 4024 | 32631* | 6 | 3 | 1.65 | 1.38 | 1.24 | 1.18 | 1.10 | . 99 |

## MALLORY MULTIGANG ROTARY SWITCHES

(Flg. B) Phenollc wafers. $1 / z^{\prime \prime \prime}$ 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 VAC or OC . Contacting members silver coated $2^{\prime \prime}$ notched shaft requires $h_{t^{\prime \prime}} \mathrm{mtg}$. hole. Types with - have additional off position with all circuts open. With bar knob, nut and lock washer. Avg. shpg. wt., 8 or.

| Shorting Tvpe <br> stock Mo. Mfr. No. |  | Non-Shorting <br> Stock Na. Mff. No. |  | Cang PolesTotal |  | Pos. <br> Per <br> Pole | $\begin{aligned} & 1.4 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 5-9 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 10.24 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 25.49 \\ \text { Each } \\ \hline \end{gathered}$ | $\begin{gathered} 50.99 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 100- \\ & 499 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4025 | 12111 | 30 H 4041 | 1311L | 1 | 1 | 11 | 2.10 | 1.75 | 1.58 | 1.50 | 1.40 | 1.26 |
| 30 H 4026 | 1215L* | 30 H 4042 | 1315L* | 1 | 2 | 5 | 2.10 | 1.75 | 1.58 | 1.50 | 1.40 | 1.26 |
| 30 H 4027 | 1213L* | 30 H 4043 | 1313L* | 1 | 3 | 3 | 2.10 | 1.75 | 1.58 | 1.50 | 1.40 | 1.26 |
| 30 H 402 s | 1212L* | 30 H 4044 | 1312L* | 1 | 4 | 2 | 2.10 | 1.75 | 1.58 | 1.50 | 1.40 | 1.26 |
| 30 H 4029 | 1221L | 30 H 4045 | 1321L | 2 | 2 | 11 | 2.58 | 2.15 | 1.94 | 1.84 | 1.72 | 1.55 |
| 30 H 4030 | 1225L* | 30 H 4046 | 1325L* | 2 | 4 |  | 2.58 | 2.15 | 1.94 | 1.84 | 1.72 | 1.55 |
| 30 H 4031 | 1223L* | 30 H 4047 | 1323L* |  | 6 | 3 | 2.58 | 2.15 | 1.94 | 1.84 | 1.72 | 1.55 |
| 30 H 4032 | 1222L* | 30 H 4048 | 1322L* | 2 | 8 | 2 | 2.58 | 2.15 | 1.94 | 1.64 | 1.72 | 1.55 |
| 30 H 4033 | 1231L | 30 H 4049 | 1331L | 3 | 3 | 11 | 3.24 | 2.70 | 2.4 | 2.31 | 2.16 | 1.94 |
| 30 H 4034 | 1235L* | 30 H 4050 | 1335L* | 3 | 6 | 5 | 3.24 | 2.70 | 2.43 | 2.31 | 2.16 | 1.94 |
| 30 H 4272 | 1233L* | 30 H 4268 | 1333L* | 3 | 9 | 3 | 3.24 | 2.70 | 2.43 | 2.31 | 2.16 | 1.94 |
| 30 H 4273 | 1232L. | 30 H 4269 | 1332L* | 3 | 12 | 2 | 3.24 | 2.70 | 2.43 | 2.31 | 2.16 | 1.94 |
| 30 H 4035 | 1241L | 30 H 4051 | 1341L | 4 | 4 | 11 | 3.81 | 3.18 | 2.86 | 2.71 | 2.54 | 2.29 |
| 30 H 4036 | 1245L* | 30 H 4052 | 1345L* | 4 | 8 | 5 | 3.81 | 3.18 | 2.86 | 2.71 | 2.54 | 2.29 |
| 30 H 4270 | 1243L* | 30 H 4266 | 1343L. | 4 | 12 | 3 | 3.81 | 3.18 | 2.86 | 2.71 | 2.54 | 2.29 |
| 30 H 4271 | 1242L | 30 H 4267 | 1342L* | 4 | 16 | 3 | 3.81 | 3.18 | 2.86 | 2.71 | 2.54 | 2.29 |
| 30 H 4037 | 1251 L | 30 H 4053 | 1351L | 5 | 5 | 11 | 4.11 | 3.43 | 3.08 | 2.93 | 2.74 | 2.47 |
| 30 H 4038 | 12561* | 30 H 4054 | 1356L* | 5 | 10 | 5 | 4.53 | 3.78 | 3.40 | 3.23 | 3.02 | 2.72 |
| 30 H 4039 | 12616 | 30 H 4055 | 13611 |  | 0 | 11 | 4.83 | 4.03 | 3.62 | 3.44 | 3.22 | 2.90 |
| 30 H 4040 | 1266L | 30 H 4056 | 13.651 |  | 12 |  | 5.52 | 4.60 | 4.14 | 3.93 | 3.68 |  |



Fig. C
Fig. D

Fig. ${ }^{F}$


Fig. 1

## MALLORY DIAL PLATES

## CERAMIC SELECTOR SWITCHES <br> (Fig. C) 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 500 VAC or DC. Max. non-breaking resistive load is 10 amps. $1^{\prime \prime} \mathrm{mtg}$. radius. Notched shaft $2 L \times 1 / 4^{\prime \prime}$ diameter with $\mathrm{H}_{6} \times \mathrm{x} \mathrm{H}^{\prime \prime}$ bushing. Adjustable stop. Type with * have added "OFF" position preceding others, With knob, nut and lockwasher. Shpg. wt., 8. oz.| Stock No. | MfE. No. | $\begin{gathered} \hline \text { Poles } \\ \text { per } \\ \text { Gang } \end{gathered}$ | $\begin{aligned} & \text { Pos } \\ & \text { per } \\ & \text { Pole } \end{aligned}$ | $\begin{gathered} 1-4 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 5.9 \\ \text { Each } \\ \hline \end{gathered}$ | $\begin{aligned} & 10.24 \\ & \text { Each } \\ & \hline \end{aligned}$ | $\begin{aligned} & 25-49 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 50.99 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 100- \\ & 499 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4057 | 172C | 1 | 11 | 2.37 | 1.98 | 1.78 | 1.69 | 1.58 | 1.42 |
| 30 H 4058 | 173C* | 2 | 5 | 2.37 | 1.98 | 1.78 | 1.69 | 1.58 | 1.42 |
| 30 N 4059 | 1746* | 3 | 3 | 2.37 | 1.98 | 1,7\% | 1.69 | 1.58 | 1.42 |
| IWO GANG |  |  |  |  |  |  |  |  |  |
| Stock No. | Mfg. No. | Poles Pas per per 1-4 Gang Pole Each |  |  | $\begin{gathered} 5-9 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 10-24 \\ & \text { Each } \\ & \hline \end{aligned}$ | $\begin{array}{r} 25-49 \\ \text { Each } \\ \hline \end{array}$ | $\begin{aligned} & 50.99 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 100 \cdot \\ & 499 \\ & \text { Each } \end{aligned}$ |
| 30 H 4060 | $176 C$ | 1 | 11 | 3.39 | 2.83 | 2.54 | 2.42 | 2.26 | 2.03 |
| 30 H 4061 | 177C* | 2 | 5 | 3.39 | 2.83 | 2.54 | 2.42 | 2.26 | 2.03 |
| 30 H 4062 | 178C* | 3 | 3 | 3.39 | 2.83 | 2.54 | 2.42 | 2.26 | 2.03 |


| Stock No. | $\begin{aligned} & \text { Mfs. } \\ & \text { No. } \end{aligned}$ | Poles per Gang | Pos. per Pole | $\begin{gathered} 1-4 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 5.9 \\ & \text { ExCh } \end{aligned}$ | $\begin{aligned} & 10.24 \\ & \text { Each } \end{aligned}$ | $\begin{array}{r} 25.49 \\ \text { Each } \\ \hline \end{array}$ | $\begin{aligned} & 50.99 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 100 . \\ & 499 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\overline{30 H 4063}$ | 180C | 1 | 11 | 4.32 | 3.60 | 3.24 | 3.08 | 2.88 | 2.59 |
| $30 \mathrm{NH064}$ | 181C* | 2 | 5 | 4.32 | 3.60 | 3.24 | 3.08 | 2.88 | 2.59 |

## CIRCUIT OPENING SWITCH

(Fig. 1) For meter switching or opening of multiple circuits for in. sertion of one while maintaining others. Phenolic insulation, 2 to 11
 $30^{\circ}$. Max volt 500 DC. Mtg. depth behind panel $21 / \mathrm{s}^{\prime \prime}$. Max, nonbreaking. current resistive load. 10 amp. With knob, hardware and dial plate. Shpg. wt. 6 oz.

| Stock No. | Type | $\begin{gathered} 1.4 \\ E . \\ \hline \end{gathered}$ | $\begin{aligned} & 5.9 \\ & \text { Ea. } \\ & \hline \end{aligned}$ | $\begin{gathered} 10.24 \\ \mathrm{Ea} \\ \hline \end{gathered}$ | $\begin{gathered} 25-49 \\ \text { Ea, } \end{gathered}$ | $\begin{gathered} 50.99 \\ \text { Ea. } \end{gathered}$ | $\begin{aligned} & 100 \\ & 499 \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4065 | 1400 L | 4.68 | 3.90 | 3.51 | 3.33 | 3.12 | 2.81 |

(Fig. K) Etched aluminum on black background. Use $30^{\circ}$ spacing plates for all Mallory 1200 L and 1300 L serles switches and for $144^{\prime \prime}$ base, 3100 J and 3200 J series. $20^{\circ}$ spacing for $11 \mathrm{H}^{\prime \prime}$ base switches in latter series. $11 \mathrm{~K}_{0}{ }^{\prime \prime}$ diam., Ko" hole. Shpg. wt., 2 oz.

30* SPACING FOR $11 / 4$ " BASE SWITCHES

| Stock No. | Mfs. <br> No. | Marking | Steck No. | Mit. No. | Marking |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4066 | 372 | 1 to 2 | 30 N 4076 | 382 | 1 to 12 |
| 30 H 4067 | 373 | 1 to 3 | 30 N 4077 | 383 | Off 1 to 3 |
| 30 H 4068 | 374 | 1 to 4 | 30 N 4078 | 384 | Off 1 to 4 |
| 30 H 4069 | 375 | 1 to 5 | 30 N 4079 | 385 | Off 1 to 5 |
| 30 H 4070 | 376 | 1 to 6 | 30 H 4080 | 386 | Off 1 to 6 |
| 30 H 4071 | 377 | 1 to 7 | 30 H 4081 | 387 | Off 1 to 7 |
| 30 H 4072 | 378 | 1 to 8 | 30 H 4082 | 388 | Off 1 to 8 |
| 30 H 4073 | 379 | 1 to 9 | 30 H 4083 | 389 | Off 1 to 9 |
| 30 H 4074 | 380 | 1 to 10 | 30 H 4084 | 390 | Off 1 to 10 |
| 30 H 4075 | 381 | 1 to 11 | MET EACH 12 |  |  |

$20^{\circ}$ SPACING FOR $1 \mathrm{KH}^{\prime \prime}$ BASE SWITCHES

| Stock No. | $\begin{aligned} & \text { Mfg. } \\ & \text { Mo. } \end{aligned}$ | Marking | Stock No. | $\begin{gathered} \mathrm{Mfi} . \\ \mathrm{No} . \end{gathered}$ | Marking |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4085 | 453 | 1 to 3 | 30 H 4097 | 474 | Off 1 to 4 |
| 30 H 4086 | 454 | 1 to 4 | 30 H 4098 | 475 | Off 1 to 5 |
| 30 H 4087 | 455 | 1 to 5 | 30 H 4099 | 476 | Off 1 to 6 |
| 30 H 4088 | 456 | 1 to 6 | 30 H 4101 | 477 | Off 1 to 7 |
| 30 H 4089 | 457 | 1 to 7 | 30 H 4102 | 478 | Off 1 to 8 |
| 30 H 4090 | 458 | 1 to 8 | 30 H 4103 | 479 | Off 1 to 9 |
| 30 H 4091 | 459 | 1 to 9 | 30 H 4104 | 484 | Off 1 to 14 |
| 30 H 4092 | 460 | 1 to 10 | 30 H 4105 | 483 | Off 1 to 13 |
| 30 H 4093 | 461 | 1 to 11 | 30 H 4106 | 480 | Off 1 to 10 |
| 30 H 4094 | 462 | 1 to 12 | 30 H 4107 | 481 | Off 1 to 11 |
| 30 H 4095 | 467 | 1 to 17 | 30 H 4108 | 482 | Off 1 to 12 |
| 30 H 4096 | 473 | Off 1 to 3 | 30 H 4109 | 486 | Off 1 to 16 |

Any above NET EACH . 12

## UNIVERSAL MOUNTING BRACKET "L'" shape, For rear support of switches. Shpg. wt., 2 oz.

 30 H 4110 Type R8254Net .05

# MALORY All Purpose Switches 

(For Illustrations See Page ${ }^{342 \text { ) }}$ MINIATURE PUSH-BUTTON SWITCHES
(Fig. D) Non-locking type, contact made only when depressed. Silver contacts, cadmium plated frame. Mount in $\mathrm{K}_{6}{ }^{"}$ hole on up to $1 / 4^{\prime \prime}$ panels. Mig. radius $1 K_{0}^{\prime \prime}$. Mig. depth $Y_{0}^{\prime \prime}{ }^{\prime \prime}$ min. to $7 / 8^{\prime \prime}$ max. Circuit codes: $M=$ make, $B$ break, MBB make before break, Voltage breakcown 500 yoc, with hardware. Shos. wh. 302 .

| $\begin{aligned} & \text { Stock } \\ & \text { No. } \end{aligned}$ | $\begin{gathered} \text { Mfg. } \\ \text { No. } \end{gathered}$ | Circuit | Ea. | $\begin{gathered} 5.9 \\ \text { Ea. } \end{gathered}$ | $\begin{gathered} 10.24 \\ \text { Ea, } \end{gathered}$ | $\begin{gathered} \text { 25-49 } \\ \mathrm{Ea} \text {, } \end{gathered}$ | $\begin{gathered} 50.95 \\ \text { Ea. } \end{gathered}$ | $\begin{aligned} & 100 \\ & 499 \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4111 | 1011 | SPST.M | . 69 | . 58 | . 52 | . 49 | . 45 | 41 |
| 30 H 4112 | 1012 | SPST-B | . 69 | . 58 | . 52 | . 49 | 46 | . 41 |
| 30 H 4113 | 1013 | SPDT | . 78 | . 68 | . 59 | . 56 | . 52 | . 47 |
| 30 H 4114 | 1014 | DPST.M2 | . 87 | . 73 | . 65 | . 62 | . 58 | . 52 |
| 30 H 4115 | 1015 | DPST. 82 | 87 | . 73 | . 65 | . 62 | . 58 | . 52 |
| 30 H 4116 | 1016 | DPDT | 1.05 | . 88 | . 79 | . 75 | . 70 | . 63 |
| 30 H 4117 | 1017 | DP.M2B1 | 1.05 | . 88 | . 79 | . 75 | . 70 | . 63 |
| 30 H 4118 | 1018 | DPDT-MBB | 1.44 | 1.20 | 1.08 | 1.03 | . 98 | 85 |

## 24 POSITION TAP SWITCH

(Fis. E) Single circuit 24 positions, continuous rotation with no stops. $15^{\circ}$ spacing between positions. Non-shorting. $2^{\prime \prime}$ notehed shaft. $3 / \mathrm{a}^{3} 3 \mathrm{H}^{\prime \prime}$ bushing. 2 phenolic sections, Voltage breakdown 1000 V AC.DC. With knob, hardware and dial plate. Shpg. wt., 6 oz.

| Stock No. | $\begin{aligned} & \text { Mfr. } \\ & \text { Type } \end{aligned}$ | $\begin{aligned} & 1-4 \\ & \mathrm{Ea}, \\ & \hline \end{aligned}$ | $\begin{array}{r} 5.9 \\ \mathbf{E a} . \\ \hline \end{array}$ | $\begin{aligned} & 10.24 \\ & \text { Ea. } \end{aligned}$ | $\begin{gathered} 25.49 \\ \text { E. } \\ \hline \end{gathered}$ | $\begin{aligned} & 50.99 \\ & \text { E2. } \end{aligned}$ | $\begin{aligned} & 100 . \\ & 499 \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4119 | 13124 L | 2.76 | 2.30 | 2.07 | 1.97 | 1.84 | 1.66 |

## LEVER ACTION SWITCHES

(Fig. J) Positive action, phenolic sections. 6000 serles have mtg. brackets with round holes $15 / \mathrm{s}^{\prime \prime}$ apart; 5000 series have elongated holes in bracket with 2 Yas $^{\prime \prime}$ centers, Voltage rating 500 VAC.DC. Max. non-breaking current resistive load, 6 amp . at 6 VAC. $20^{\circ}$ indexing with knob and hardware. Shpg. wt. 402

| Stock No. | Mfg. Pos.MerNo. Poles Pole |  |  | $1-4$ E. | 5.9 Ea. | $\begin{array}{r} 10 . \\ 24 \\ \text { E2. } \end{array}$ | $\begin{aligned} & 25 . \\ & 49 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & \hline 50 . \\ & 99 \\ & \text { E2. } \end{aligned}$ | $\begin{aligned} & 100 . \\ & 499 \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4120 | 5124 | 2 | 4 | 1.38 | 1.15 | 1.04 | 98 | 92 | . 83 |
| 30 H 4121 | 6142 | 4 | 2 | 1.20 | 1.00 | . 90 | 86 | . 80 | . 72 |
| 30 H 4122 | 6143 | 4 | 3 | 1.20 | 1.00 | . 90 | 86 | .80 | .72 |
| Non-Shorting |  |  |  |  |  |  |  |  |  |
| 30 H 4123 | 5224 | 2 | 4 | 1.38 | 1.15 | 1.04 | 98 | . 92 | 83 |
| 30 H 4124 | 6242 | 4 | 2 | 120 | 1.00 | . 90 | . 86 | . 80 | . 72 |
| 30 H 4125 | 6243 | 4 | 3 | 1.20 | 1.00 | 90 | . 86 | . 80 | . 72 |

## DECADE SWITCHES

(Fig. F) Type 153L capacitor switch and 154L resistor switch for simple construction of decade doxes (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 $2^{\prime \prime}$. Voltage breakdown rating 500 V DC or AC. Shaft $2^{\prime \prime \prime}$ long $x 1 / 4^{\prime \prime}$ diameter. With knob and hardware. Shpg. wt., 802.

| Stock No. | Type | $\begin{aligned} & 1.4 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 5.9 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 10.24 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 25.49 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 50.99 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 100 \\ & 499 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4126 | 153L | 2.70 | 2.25 | 2.03 | 1.92 | 1.80 | 1.62 |
| 30 H 4127 | 1541 | 2.94 | 2.45 | 2.21 | 2.89 | 1.96 | 1.76 |
| 30 H 4083 Type 389 Dial Plate for above $\qquad$ Net .12 |  |  |  |  |  |  |  |

(Fig. G) All are non-shorting with continuous rotation and $90^{\circ}$ indexing, Rated 1000 VDC and 100 Watts. $2 x 1 / a^{\prime \prime}$ notched shaft with Hax $3^{\prime \prime \prime}$ " bushing. 2 gang have $17 / \mathbf{y}^{\prime \prime}$ spacing belween; other $1^{\prime \prime}$. Mtg radius $1^{\prime \prime}$. with knob, nut and lock washer. Av. shpg. wt., 8 oz

| Stock No. | Mfg. No. |  | Total Poles | $\begin{aligned} & \text { Pos. } \\ & \text { Per } \end{aligned}$Pole | $\begin{aligned} & 1.4 \\ & \text { Each } \end{aligned}$ | $\begin{gathered} 5-9 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 10- \\ & 24 \\ & \text { tach } \end{aligned}$ | $\begin{gathered} 25- \\ 49 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 50- \\ 99 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
| 30 H 4128 | 161 C | 1 | 1 | 4 | 2.16 | 1.80 | 1.62 | 1.54 | 1.44 |
| 30 H 4129 | 162 C | 2 | 2 | 4 | 3.06 | 2.55 | 2.30 | 2.18 | 2.04 |
| 30 H 4130 | 163 C | 3 | 3 | 4 | 3.96 | 3.30 | 2.97 | 2.82 | 2.64 |
| 30 H 4131 | 164 C | 4 | 4 | 4 | 4.86 | 4.05 | 3.65 | 3.46 | 3.24 |
| 30 H 4132 | 165C | 5 | 5 | 4 | 5.76 | 4.80 | 4.32 | 4.10 | 3.84 |

Mallory 48
Net .12

## TYPE 151L "HAMSWITCH"

(Fig. H) Non shorting, 2 seclion 5 position, 1 pole per section. $21 / 4$ " between sections, $60^{\circ}$ indexing with adjustable stops. Ideal for switching up to 5 transmitter circuits to a single meter. Rated 1000 VAC or 1500 DC . Mtg, depth $31 / 2 \times 21 / 4$ " diameter, notched shaft, $3 / 8 \times 3 /{ }^{\prime \prime}$ bushing with knob and hardware. Shpg. Wi., 607.

| Stock No. | Type | $\begin{gathered} 1.4 \\ \text { Each } \end{gathered}$ | $\begin{aligned} & 5.9 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 10.24 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 25.49 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 50.99 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 100 \\ & 499 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4133 | 1511 | 2.70 | 2.25 | 2.03 | 1.92 | 1.80 | 1.62 |
| 30 H4134 | e 487 | ial P |  |  |  |  |  |



## LINEMASTER FOOT SWITCHES

Model 491-5 "Compact"-SPDT momentary contacts rated 10 amps 125 v . AC, $1 / 2 \mathrm{HP}$ at $115 v$. AC. Steel housing. black wrinkle finish. skid proof base. $2 \% \times 21 / 2 \times 2 \%{ }^{\circ}$. wt. 707 . 34 H 3603 Net 1-9.ea. $3.2510-19$ ea. 2.92 20-49 ea. 2.60 Model 491-SC. Same with six foot cord and two prond plug. Shpg. wi.. $70 \mathrm{oz}^{\text {t }}$ 34 н 3604 Net 1.9 ea. $5.00 \quad 10.19$ ea. 4.50 $20.49 \mathrm{ea} . \quad 4.00$
Model 632-5 "Clipper". Momentary contact with SPDT. rated at $20 \mathrm{amps} 125-250 \mathrm{v}$. AC, 1 HP $115-230 \mathrm{v}$. AC. Cast iron housing, skid. proof base pad. black wrinkle finish. Size $41 / 2 \times 31 / 2 \times 11 / 2^{\prime \prime}$. Shpg. wt.. $21 / 4$ lbs
34 H 3605 Net 1-9...ea. 8.2510 .19 ea. 7.42 $20-49$ ea. 6.60 Model 632.D. Same as 632.S out maintains contact until afgin actuated 34 H 3606 ....24/4 lbs......Net 1.9 ea. 11.00 10.19 ea. 9.90 20.49...ea. 8.80

Model 151.5 "Treadlite". Compact, rugged SPOT momentary contacts rated 7 amps at $125-250 \mathrm{v}$. AC, $1 / 6$ H.P. at 115 v . AC. Rubber tread and skid-proof base $31 / 2 \times 25 / 8 \times l^{\prime \prime}$ 34 H 3601 wt., 7 oz. Net 1.9 ea, 2.75 10.19 . ea. 2.4720 .49 ea. 2.20 Model T51-SC-Same with a six ft. cord and two prond series plug. Shpg. wt.. 1 lb 34 H 3602 Net 1.9 ea. $4.00 \quad 10.19$ ea. 3.60 20.49 ea. 3.20 Model T.51-SC3-Same as above but with 3 conductor cord and 3 prong grounded series glug. Shpg. wt., $11 / 2 \mathrm{lb}$. 34 H 3607 Net 1.9 ...ea. 5.0010 .19 ea. 4.50 20-49...ea. 4.00 Model B-2-S "Executive". Two momentary SPDT switches side by side. Interlock pre. vents both circuits from being operated at same time. Both sides normally off when not in use. 15 amps . 125 VAC . $45 / \mathrm{s} \times 4 \times 11 / \mathrm{s}^{\prime \prime}$. Shpg. wt., 14 oz.
34 H 3608 Net 1-9..ea. 7.5010 .19 ea, 6.75
20-49...ea. 6.00

## LAFAYETTE FOOT SWITCH

Ideal treade switch for bench tools etc. SPST momentary contact rated at 10 amps. 125v. AC. Steel housing, grey crackle finish. Skidproof base. 6 ft., series wired cord. $27 / 8$ $x^{27 / a x]^{\prime \prime} .}$ Shpg. wt., 1 lb. Imported.
99 H 8070

## (Fig. A) <br> "TAPESWITCH" MATS AND STRIPS

Tapeswitch mats close an electrical circuit whenever anyone-EVEN A SMALL CHILOsteps on them. Actuated by less than 5 lbs. weirht! Ideal as door mat annunciators In stores, offices, etc.; used to control zutomatic door openers in food and department stores; can be used to turn on lights. ring bells, actuate electric coun ters, etc. Perfect for alarm systems in homes. stores and industry. These units are only $y_{3}$ " thick, can be placed under rugs without bulging. Durable brown. textured vinyl with $6^{\prime}$ connecting cord. Size $17 \times 23^{\prime \prime}$ 33 H 6601 (Fig. A) Single, ea.wt.. 1 lb.. 9.98 Lots of 10 , ea.
8.93
$6 \times 23^{\prime \prime}$ mat with $18^{\prime \prime}$ lead. For use on stairs. 33 H 6602 Singly, ea. wi. 6 02............... 4.15 Lots of 10. ea.
3.68

Tapeswitch Strips (Fig. B) with $18^{\prime \prime}$ connecling cord
Lots of 10 Kin" $x 2^{\prime}$ Singly, ea.wt., 4 oz.... 3.10 Lots of 10, ea
2.84
 Lots of 10 , ea.
4. 46

## CHIME ANNUNCIATOR KIT

Signals entrance into office, store or shop by ringing chime. Includes concealable mat $18 \times 24 \times 3 z_{2}{ }^{2 \prime}$ thick, 2 -note chime, transformer, wire and instructions. Shpg. wt., 4 lbs.

# Mallory Miniature Switches 

## MALLORY MINIATURE ROTARY SWITCHES

Commercial equivalent to MIL-S-3786 Break. down 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. 1K". Supplied with knob, adjustable stop. lock washer and nut.


Fig. B


Fig. C


Fig. E
FIG. E SUBMINIATURE LEVER SWITCHES
Same Mil. specs, and electrical ratings as series $12 \mathrm{M} 30^{\circ}$ Index.

Mir. numbers sending in $S$ are spring return; in $U$ are spring return and positive index. All single section. With two 4-40 screws and knob. Shpg, wt., $11 / 202$.

SHORTING TYPES

 |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 H 4135 | 12 L 1213 | 2 | 3 | 3.12 | 2.60 | 2.34 | 30 H $4136.12 \mathrm{~L} 1213 \mathrm{~S} 2313.382 .80 \quad 2.52 \quad 2.38$


 30 H $413912 \mathrm{~L} 1612 \quad 6 \quad 2 \quad 4.24 \quad 3.53 \quad 3.18 \quad 3.00$


| NON. SHORING TYPE |
| :---: |
| 30 H 4141 |
| 12 L 2213 | 30 H 4142 12L2213S $2 \quad 3 \quad 3.38 \quad 2.80 \quad 2.52 \quad 2.38$

 30 H $414412 L 2413 \quad 4313.63 \quad 3.03 \quad 2.72 \quad 2.58$ 30 H $41451212612 \quad 6 \quad 2 \quad 4,243.53 \quad 3.18 \quad 3.00$ 30 H $4146 \quad 12 L 2612 S 6 \quad 24.47 \quad 3.72 \quad 3.36 \quad 3.17$

## FIG. E LEVER ACTION SWITCHES

Phenollc type all are single section type. Contact rating is 350 MA at 500 volts RMS resistive load. $30^{\circ}$ indexing Mtg , holes $156^{\prime \prime}$ apart. *are positive action and spring return, $\dagger$ are spring return, Supplied with lever knob. Shpg. Wt. 3 oz .

SHORTING TYPES
 $\begin{array}{lllllllll}30 \text { H } 41476 \mathrm{M} 1213 & 2 & 3 & 1.26 & 1.05 & .95 & .90\end{array}$
 30 H $41496 \mathrm{M} 1213 \mathrm{U}^{*} 2 \mathrm{Z}$ 1.26 1.05 . 95 . 90 $30 \mathrm{H} 41506 \mathrm{M} 1412 \mathrm{St} 4 \mathrm{4} \quad 1.441 .20 \quad 1.08 \quad 1.03$

## 30 HON-SH

30 H 4152 GM2213St $231.261 .05 \quad .95$. 90 30 H $41536 \mathrm{M} 2213 \mathrm{U}^{*} 2$ 2 1.26 1.05 . 95 . 90

Stators and rotors use Richardson 7725 grade phenolic. Has common contact on same side as the switching contacts. Shpg. wt., 3 oz. (See General Specifications to the Left.)

| Stock No. Mfr, No. | Non-Shorting <br> Stock No. Mfr. No. | $\begin{aligned} & \text { CIr. \& } \\ & \text { Per \% } \\ & \text { Sec. } \end{aligned}$ sec. | - | $\begin{aligned} & 1.4 \\ & \text { Ea. } \end{aligned}$ | 5-9 | $\begin{gathered} \text { 10-24 } \\ \text { Ea. } \end{gathered}$ | $\begin{gathered} \text { 25-49 } \\ \text { Ea. } \end{gathered}$ | $\begin{gathered} 50.99 \\ \text { Ea. } \end{gathered}$ | $\begin{aligned} & 100 \\ & 499 \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 41554 N 11111 | 30 H 4172 4M21111 | 11 | 11 | 1.80 | 1.50 | 1.35 | 1.28 | 1.20 | 1.08 |
| $30 \mathrm{H} 4156.4 \mathrm{M1215}$ | 30 H 41734 M 2215 | 21 | 5 | 1.80 | 1.50 | 1.35 | 1.28 | 1.20 | 1.08 |
| 30 H 4157 4M11211 | 30 H 4174 4M21211 | 12 | 11 | 2.58 | 2.15 | 1.94 | 1.84 | 1.72 | 1.55 |
| $30 \mathrm{H} 41584 \mathrm{M1313}$ | 30 H 41754 M 2313 | 31 | 3 | 1.80 | 1.50 | 1.35 | 1.28 | 1.20 | 1.08 |
| $30 \mathrm{H} 41594 \mathrm{M11311}$ | 30 H 4176 4M21311 | 13 | 11 | 3.24 | 2.70 | 2.43 | 2.31 | 2.16 | 1.94 |
| 30 H 4160 4M1412 | 30 H 4177 4M2412 | 41 | , | 1.80 | 1.50 | 1.35 | 1.28 | 1.20 | 1.08 |
| $30 \mathrm{H} 41614 \mathrm{ML225}$ | 30 H 4178412225 |  |  | 2.58 | 2.75 | $\int .94$ | 1.84 | F. 12 | T.55 |
| 30 H 4162 4M11411 | 30 H 4179 4M21411 | 1 | 11 | 3.81 | 3.18 | 2.86 | 2.71 | 2.54 | 2.29 |
| 30 H 4163 4M11511 | $30 \mathrm{H} 4180 \mathrm{4M} 21511$ | 15 | 11 | 4.47 | 3.73 | 3.35 | 3.18 | 2.98 | 2.68 |
| 30 H 4164 4M1323 | 30 H 41814 M 2323 | 32 | 3 | 2.58 | 2.15 | 1.94 | 1.84 | 1.72 | 1.55 |
| 30 H 41654 M 1235 | $30 \mathrm{H} 4182 \mathrm{4M} 2235$ | 23 | 5 | 3.24 | 2.70 | 2.43 | 2.31 | 2.16 | 1.94 |
| 30 H 41664 M 11611 | 30 H 41834 M 21611 | 16 | 11 | 5.04 | 4.20 | 3.78 | 3.59 | 3.36 | 3.02 |
| 30 H 4967 4M1422 | 30 H 4184 4M2422 | $4{ }^{4}$ |  | 2.58 | 2.15 | \$.94 | 1.84 | \%.72 | 1.55 |
| 30 H 4158 4M1245 | 30 H 41854 M 2245 | 24 | 5 | 3.81 | 3.18 | 2.86 | 2.71 | 2.54 | 2.29 |
| 30 H 4169 4M1255 | 30 H 4186 4M2255 | 2 | 5 | 4.47 | 3.73 | 3.35 | 3.18 | 2.98 | 2.68 |
| 30 H 4170 4M1432 | 30 H 41874 M 2432 | 43 | 2 | 3.24 | 2.70 | 2.43 | 2.31 | 2.16 | 1.94 |
| 30 H 4171 4M1265 | 30 H 418 B 4M2265 | 6 | 5 | 5.04 | 4.20 | 3.78 | 3.59 | 3.36 | 3.02 |

FIG. B -CERAMIC MINIATURE ROTARY SWITCHES
Uses millitary grade L.5 steatite, treated with Dow.Corning 200. Has common contact on opposite side of wafer from other contacts. Shpg. wt. 3 oz . (See General Specifications Upper Left Hand Corner of this Page.)

| Shorting Type Stock No. Mfr. No. | Non-Shorting <br> Stock No. Mfr. No. | $\begin{aligned} & \text { Clr. } \\ & \text { Per } \\ & \text { Sec. } \end{aligned}$ | 8 | $\begin{aligned} & 1-4 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & 5-9 \\ & \text { Ea. } \end{aligned}$ | $\begin{gathered} 10-24 \\ \text { Ea. } \end{gathered}$ | $25-49$ <br> E2. | $\begin{gathered} 50.99 \\ \text { E. } . \end{gathered}$ | $\begin{aligned} & 100- \\ & 499 \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4189 4M111120 | 30 H 4211 4M21112C | 11 | 12 | 2.37 | 1.98 | 1.78 | 1.69 | 1.58 | 1.42 |
| 30 H $41904 \mathrm{M1216C}$ | 30 H 4212 4M2216C | 21 | 6 | 2.37 | 1.98 | 1.78 | 1.69 | 1.58 | 1.42 |
| 30 H $41914 \mathrm{M11212C}$ | 30 H 4213 4M21212C | 12 | 12 | 3.39 | 2.83 | 2.54 | 2.42 | 2.26 | 2.03 |
| 30 H $41924 \mathrm{M1315C}$ | 30 H 4214 4M2315C | 31 | 5 | 2.37 | 1.98 | 1.78 | 1.69 | 1.58 | 1.42 |
| 30 H 4193 4M11312C | 30 H 4215 4M2132C | 13 | 12 | 4.32 | 3.60 | 3.24 | 3.08 | 2.88 | 2.59 |
| 30 H 4194 4M1226C | 30 H 4216 4M2226C | 22 | 6 | 3.39 | 2.83 | 2.54 | 2.42 | 2.26 | 2.03 |
| 30 H $41954 \mathrm{ML1412C}$ | 30 H 4217 4M21412C | 14 | 12 | 5.19 | 4.33 | 3.89 | 3.70 | 3.46 | 3.11 |
| $30 \mathrm{H} 41964 \mathrm{M1513C}$ | 30 H 42184 M 2513 C | 51 | 3 | 2.37 | 1.98 | 1.78 | 1.69 | 1.58 | 1.42 |
| $30 \mathrm{H} 41974 \mathrm{M11512C}$ | 30 H 42194 M 21512 C | 15 | 12 | 6.18 | 5.15 | 4.64 | 4.40 | 4.12 | 3.71 |
| 30 H 4198 4M1612C | 30 H 4220 4M2612C | 61 | 2 | 2.37 | 1.98 | 1.78 | 1.69 | 1.58 | 1.42 |
| 30 H 4199 4M1325C | 30 H 4221 4M2325C | 32 | 5 | 3.39 | 2.83 | 2.54 | 2.42 | 2.26 | 2.03 |
| 30 H $42014 \mathrm{M1236C}$ | 30 H 4222 4M2236C | 23 | 6 | 4.32 | 3.60 | 3.24 | 3.08 | 2.88 | 2.59 |
| 30 H 4202 4M11612C | 30 H 4223 4M21612C | 61 | 12 | 7.20 | 6.00 | 5.40 | 5.13 | 4.80 | 4.32 |
| 30 H 4203 4M1246C | 30 H 4224 4M2246C | 24 | 6 | 5.19 | 4.33 | 3.89 | 3.70 | 3.46 | 3.11 |
| 30 H 4204 4M1335C | 30 H 42254 M 2335 C | 33 | 5 | 4.32 | 3.60 | 3.24 | 3.08 | 2.88 | 2.59 |
| 30 H $42054 \mathrm{M1523C}$ | 30 H 4226 4M2523C | 52 | 3 | 3.39 | 2.83 | 2.54 | 2.42 | 2.26 | 2.03 |
| 30 H 4208 4M1256C | 30 H 4227 4M2256C | 25 | 6 | 6.18 | 5.15 | 4.64 | 4.40 | 4.12 | 3.71 |
| 30 H 4207 4M1 622C | 30 H 4228 4M2622C | 62 | 2 | 3.39 | 2.83 | 2.54 | 2.42 | 2.26 | 2.03 |
| 30 H 4208 4M1266C | 30 H 4229 4M2266C | 26 | 6 | 7.20 | 6.00 | 5.40 | 5.13 | 4.80 | 4.32 |
| 30 H $42094 \mathrm{M1533C}$ | 30 H 4230 4M2533C | 5 3 | 3 | 4.68 | 3.90 | 3.51 | 3.33 | 3.12 | 2.81 |
| 30 H 4210 4M1632C | 30 H 4231 4M2632C | 63 | 2 | 4.68 | 3.90 | 3.51 | 3.33 | 3.12 | 2.81 |

## FIG. C - MALLORY SUB-MINIATURE ROTARY SWITCHES

Glass epoxy wafers per Mil-P-18177. Rated at 150 MA at 150 VRMS. Max. rating $225 V_{\text {; }}$ max. current 2.5 amps at 6 VAC RMS (resistive load). Wafers are $7 / \mathrm{B}^{\prime \prime}$ dia., spacing is $3 / 16^{\prime \prime}$ between wafers; shaft is $7 / 4^{\prime \prime}$ long $x 1 / /^{\prime \prime}$ dia. with $16^{\prime \prime} x 1 / /^{\prime \prime}$ bushing. Has $30^{\circ}$ indexing and fixed stop. Supplied with knob, washer, and nut. Shpg. wt., $11 / 2 \mathrm{oz}$.

| Shorting Type <br> Stock No. Mfs. No. | Non-Shorting <br> Stock No. Mfg. No | No. of <br> Pos. |  |  | 5.9 E2. | 10.24. | 25.49 E. | $\begin{gathered} 50-99 \\ \text { Ea. } \end{gathered}$ | $\begin{aligned} & 100 \\ & 499 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 H 4232 12M11111G | 30 H 4244 12M21111G | 11 | 1 | 4.52 | 3.77 | 3.39 | 3.23 | 3.01 | 2.71 |
| 30 H 423312 M 112116 | 30 H 424512 M 21211 G | 11 | 2 | 5.58 | 4.65 | 4.19 | 3.98 | 3.79 | 3.35 |
| 30 H 423412 M 1215 G | 30 H 424612 M 2215 G | 5 | 1 | 4.52 | 3.77 | 3.36 | 3.23 | 3.01 | 2.71 |
| 30 H 4235 12M113110 | 30 H 424712 M 21311 G | 11 | 3 | 6.64 | 5.53 | 4.98 | 4.74 | 4.26 | 3.98 |
| 30 H 4236 12M1313G | 30 H 424812 M 2313 G | , | 1 | 4.52 | 3.77 | 3.39 | 3.23 | 3.01 | 2.71 |
| 30 H 4237 12M1225G | 30 H 4249 12M2225G | 5 | 2 | 5.58 | 4.65 | 4.19 | 3.98 | 3.79 | 3.35 |
| 30 H 4238 12M1412G | 30 H 4250 12M2412G | 2 | 1 | 4.52 | 3.77 | 3.39 | 3.23 | 3.01 | 2.71 |
| 30 H 4239 12M1235G | 30 H 4251 12M2235G | 5 | 3 | 6.64 | 5.53 | 4.98 | 4.74 | 4.26 | 3.98 |
| 30 H 4240 12M1323G | 30 H 4252 12M2323G | 3 | 2 | 5.58 | 4.65 | 4.19 | 3.98 | 3.79 | 3.35 |
| 30 H 424112 M 1422 G | 30 H 4253 12M2422G | 2 | 2 | 5.58 | 4.65 | 4.19 | 3.98 | 3.79 | 3.35 |
| 30 H 4242 12M1333G | 30 H 4254 12M2333G | 3 | 3 | 6.64 | 5.53 | 4.98 | 4.74 | 4.26 | 3.98 |
| 30 H 4243 12M1432G | 130 H 4255 12M2432G | 2 | 3 | 6.64 | 5.53 | 4.98 | 4.74 | 4.26 | 3.98 |

## FIG. 0 - MALLORY MINIATURE ROTARY HAM SWITCHES

 $60^{\circ}$ \& $90^{\circ}$ HAM SWITCHESDesigned for high RF signals. All are non-shorting ceramic type single circuit per section. 8 reakdown voltage between contacts, and contacts and frames is 1700 volts R.M.S., 60 cycle. Contact rating is 350 MA at 500 volts RMS resistive load. $2^{\prime \prime}$ long by $1 / 4^{\prime \prime}$ dia, shaft. $i^{\prime \prime} \mathbf{2}^{\prime \prime}$ spacing between wafers. Overall dia. $19 / 16^{\prime \prime}$. Supplted with knob, adjustable stop, lock washer and nut. Shpg. wt., 3 oz.



JAN-S-23 and MIL-S-21195 HEAVY DUTY SWITCHES
tions. Nominally rated 20 amp at 125 VAC 10 amps at 250 VAC Body site including temind
 inals meet JAN- $\mathbf{-} \mathbf{- 2 3}$ and MIL $\mathrm{S}-21195$ specs.; types with solder lug terminals meet JAN. 5 -23. Avg. shpg. wt., 3 oz.

| Stock No. |  |  | Ea. Lots of |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | vt. |  |  |  |  |
|  |  |  |  |  |  |
|  | 404 |  |  | B) |  |
| 2639 | 40A |  | . |  | 75 |
| 33 H 2640 | ST408 | 3 | 1.21 | 1.04 | 83 |
| 33 H 2641 | ST40C |  | 1.21 |  | 83 |
| SPST | SDIOER | ER | Nats | (Fig. |  |
| 33 H 2642 | ST42A | 1 | 1.01 | 81 | 66 |
| 33 H 2643 | ST428 | 3 | 1.13 | 90 | 73 |
| 33 H 2644 | ST42C | 4 | 1.13 | 90 | 73 |
| SPDT | SCREW |  | NaLS | (Fig. $\mathrm{B}^{\text {) }}$ |  |
| 33 H 2645 | ST400 | 2 | 1.30 | 1.11 | 90 |
| 33 H 2646 | ST40E | 5 | 1.30 | 1.11 | 90 |
| 33 H 2647 | ST40F | 6 | 1.43 | 1.23 | . 99 |
| 33 H 2648 | ST40G | 9 | 1.43 | 1.23 | 99 |
| 33 H 2649 | ST4OH | 8 | 1.43 | 1.23 |  |


|  | Govt. <br> Trpe | Net Ea. Lots of |  |  |  | Stock No. |  | cet Ea. Lots of |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 33 H 2650 | S1420 | 2 | 1.20 | . 96 | . 78 | 33 H 2661 | ST50N | ? | 1.60 | 1.33 |  |
| 33 H 2651 | ST42E | 5 | 1.20 | . 96 | . 78 | 33 H 2662 | STSOP | 5 | 1.60 | 1.33 | 1.06 |
| 33 H 2652 | ST42F | 6 | 1.34 | 1.08 | 87 | 33 H 2663 | SISOR | 6 | 1.82 | 1.52 | 1.21 |
| 33 H 2653 | ST42G | 9 | 1.34 | 1.08 | . 87 | 33 H 2664 | ST50S | 9 | 1.82 | 1.52 | 1.21 |
| 33 H 2654 | ST42H | 8 | 1.34 |  | . 87 | 33 H 2665 | STSOT | 8 | 1.82 | 1.52 | 1.21 |
| DPST | SCREW | ER | Nals |  |  | DPDT | SDIDER |  | Nats |  |  |
| 33 H 2655 | ST50K | 1 | 1.36 | 1.14 | . 91 | 33 H 2666 | ST52P | 5 | 1.39 | 1.16 |  |
| 33 H 2656 | ST501 | 3 | 1.60 | 1.33 | 1.06 | 33 H 2667 | ST52N | 2 | 1.39 | 1.16 | . 92 |
| 33 H 2657 | ST50M | 4 | 1.60 | 1.33 | 1.06 | 33 H 2668 | ST52R | 6 | 1.61 | 1.35 | 1.08 |
| DPST- | dider | TERMI | nals | (F1g. A) |  | 33 H2669 | ST52S | 9 | 1.61 | 1.35 | 1.08 |
| 33 H 2658 | ST52K | 1 | 1.24 | 1.04 | 83 | 33 H 2670 | ST52T | 8 | 1.51 | 1.35 | 1.08 |
| 33 H 2659 | ST52L | 3 | 1.39 | 1.16 | . 92 | Industrials write or phone for prices In lotsof 250 or more. |  |  |  |  |  |
| 33 H 2660 | ST52M | 4 | 1.39 | 1.16 | 92 |  |  |  |  |  |  |  |

JAN.S-23 MEDIUM DUTY SWITCHES FIg. E. All meet JAN-S. 23 specifications. All rear connected, with solder lug terminals. Nominally rated 6 amps at 125 V AC, 3 amps at 250 V AC. Enclosed body $11 / 4 \times x^{3} K_{2} x^{\prime \prime} K_{0}$ " with "Ko." bat hanidle, Bushing " $/ 3_{2}$ " except " are $1 / 4$ " Avg. shpg. wt., 302.


MIL-S-3950B HVY. DUTY SWITCHES All meet MIL.S-39508 speclfications including seal and water submersion requirements, 20,000 make and break cycles, temperature and endurance test at 400 cycles. All have screw terminals and "1/0" bat handie. Dimensions M535058-
 Normally rated 20 amp at $125 \mathrm{VAC}, 10 \mathrm{amp}$ at 250 VAC . Shpg. wt., 3 oz'.
 of 250 or more.

Single section phenolic type $2^{\prime \prime}$ long by $1 / /^{\prime \prime}$ dia. shaft with $H^{\prime \prime}$ bushing. Supplled with knob lockwasher and nut except $\dagger$ uses knurled shaft, no knob furnisned *Spring return feature. SHAS AC Line Switch. Shpg wt., 3 oz.

SHORTING TYPES

| Stock Ne. | $\begin{aligned} & \text { Mfr. } \\ & \mathrm{Ne} . \end{aligned}$ |  | $\begin{gathered} 1 . \\ 4 \\ \text { s. Ea, } \\ \hline \end{gathered}$ | $\begin{aligned} & 5 . \\ & 5 \\ & \text { E2. } \end{aligned}$ | $\begin{aligned} & 10 \\ & 24 \\ & \text { E. } \end{aligned}$ | $\begin{aligned} & 25 \\ & 45 \\ & \text { E. } 2 . \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 K 491 S | 4M1114053 | $1{ }^{4}$ | 1.80 | 1.50 | 1.35 | 1.28 |
| 30 H 4920 | 5M1112 | 12 | 1.09 | 90 | ${ }^{1} 1$ | 11 |
| 30 H 4921 | 5M1113 | 13 | 1.08 | 90 | . 81 | . 11 |
| 30 H 4922 | 5M1113K ${ }^{\text {ct }}$ | 13 | . 15 | 63 | . 56 | . 53 |
| 30 H 4923 | 5 M 1213 | 2 | 1.01 | 90 | . 1 | 17 |
| NON-SHORTINE TYPES |  |  |  |  |  |  |
| 30 H 4924 | 4M2412S* | 42 | 1.44 |  | 1.08 | 1.83 |
| 30 H 4925 | 5M2213* | 23 | 1.08 | . 90 | . 11 | 11 |

# T.V. Wire For Color And B/W-Zip Cord 

## Economy

BROWN. High quality, low-loss lead-in for all TV and FM installations. Polyethylene dielectric--standard copper leads.
only in lengths listed below. Wt., 2 lbs Per 100 ft .
32 H 8912100 ft . coil $\quad$ Net 1.24 $32 \mathrm{H} 8913 \quad 500 \mathrm{ft}$. coil $\qquad$ Net 6.10
Net 11.35
CLEAR. Same as above but clear for a better blend with the base boards.

| 32 H 8915 | 100 | ft . spool | Net 1.50 |
| :--- | ---: | :--- | :--- |
| 32 H 8916 | 500 | ft spool | Net $\mathbf{6 . 7 6}$ |
| 32 H 8917 | 1.000 ft spool | Net 11.50 |  |

## HEAVY DUTY

300 ohm brown twin lead with 80 mil thick polyethylene insulation and 20 gauge copper conductors. Shpg. wt., 2 lbs. per 100 ft . 32 H 8918100 ft . coil Net 1.54 32 H $3645 \mathrm{WX} 1,000 \mathrm{ft}$. coll … Net 13.90

## EXTRA HEAVY DUTY

300 ohm brown twin lead with 125 mil thick polyethylene insulation and 18 gauge stranded copper conductors. Shpe. wt., 3 lbs. per 100 ft .
32 H 3605100 ft. coil
32 H $3607 \mathrm{WX} 1,000 \mathrm{ft}$. spool
Net 3.74

## ROTATOR CABLES

4 CONDUCTOR FLAT. Flexible stranded No. 20 copper encased in tough plastic insulation. Shpg wt., 3 los. per $100^{\prime}$ coll. 32 H 8910100 ft . coli

Net 3.10 4 CONDUCTOR RDUNO HEAVY OUTY. Belden 8489. All 18 gauge stranded flexible conductors, plastic insulated and jacketed. 6 Ibs.
 5 CONDUCTOR FLAT. Shpg. wt., 4 lbs. 32 n 3631 per 100 ft . Net 3.89 8 CONDUCTOR ROUND. Vinyl insulated, vinyl jacket. In 100 ft . coils only.
32 H 1486100 ft . coil
Net 5.45

## ANTENNA WIRE COPPER AND COPPERWELD

Finest grade high tensile strength copper for all antenna requirements. Avg. shpg. wt., 1 lb. Only in lengths listed below.

|  |  |  |
| :---: | :---: | :---: |
| 32 H 3619 | 00 | 3 |
| 32 H 3620 | 75 ft 7/24 |  |
| 32 H 3621 | 00 f $1 / 24$ bar | Net 1.87 |
| 32 H 3622 | 75 ft. 7/26 ba | N |
| 32 H 3623 | 100 ft . 7/26 ba |  |
| 32 H 3009 | 100 ft. 12 solid | 96 |
| 3010 | 100 tt 14 soll | 70 |
| COPPERWELD Steel clad copper for ham antennas, commercial installations, nonstretch hard drawn high conductivity cop. perweld wire. |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| 32 H $3624 \quad 75$ ft. 12 solid |  |  |
| 32 H 3625 | 100 ft .12 solid | 3.73 |
| 32 H 3626 | 75 ft .14 solid | Net 2.27 |
|  | 00 |  |

## ASSORTED SPAGHETTI



24 piece assortment. 8" lengths. Various colors and diameters 32 H 8001 Shpg. wt., 402. $\qquad$ Net .28


SHIELDED FM MULTIPLEX TWIN LEAD
300 ohm twin lead for FM MPX, shielded with tinned copper for outstanding noise. resistant performance. Each conductor insulated with heavy, 20 gauge abrasion-proof black vinyl. Delivers noise-free signal from antenna to set efficiently. Only in lengths listed below. Shpg. wt., 7 los. per 100
32 H 3043100 ft . coll
Net 9.75 32 H 3044 WX $500 \cdot \mathrm{ft}$. spool Net 50.25 32 H 3045 WX $1000 \cdot \mathrm{ft}$. spool Net 94.50


## FOAM-TV

 TWIN LEAD- For UHF.VHF and Color TV

A flat 300 -ohm twin lead with the conductors totally encased in and surrounded by poly ethylene foam with an outer black polyethy lene jacket. Has high resistance to ultra. violet rays, oil, fumes, molsture, salt air and abrasion. 20-gauge stranded copper conductors. Available only in lengths listed below. Shpg. wt., $21 / 2 \mathrm{lbs}$. per 100 ft .
$32 \mathrm{H} 3603 \quad 50 \mathrm{ft}$. Coll …....Net 2.03 32 H 3604 100-ft. Colt

Net 3.57 32 H 3601 500.ft. Coll Net 15.96 32 H 3602 1000-ft. Coil … Net 32.55

## ADDAD UHFVHF <br> OPEN LINE

300 OHM. Attenuation averages only 1.9 db over entire UHF band. No. 18 copperweld wire-pure polyethylene separators spaced at $6^{\prime \prime}$. Spaced only $1 / 2^{\circ}$ between conductors. Shpg, wh., $21 / 2 \mathrm{lbs}$. per $100^{\circ}$. Avallable only in leneths listed below.
32 H 3610100 ft . coll.
Net 3.25 Net 7.68 32 H 3612500 ft . spool Net 15.03 450 OHM. Similar to above. $1^{\prime \prime}$ spacing be. tween conductors.
$\begin{array}{llll}32 \mathrm{H} 3613 & 100 \mathrm{ft} \text {. coil } & \text { Net } 3.25 \\ 32 \mathrm{H} 3614 & 250 \mathrm{ft} \text {. spool } & \text { Net } 7.68\end{array}$ 32 H 3615500 ft. spoo Net 15.03

## FIBERGLASS GUY LINE

- Revolutionizes Ham and TV Antenna Systems - Non-Metallic Guy Line


A non-inductive, non-conducting, non-absorbing euy 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. Shpg. wt., $21 / 2$ bs. Per $100^{\circ}$ spool. $32 \mathrm{H} 4501 \ldots$ Net 5.00 Shpg wt., is lbs. Per $600^{\circ}$ reel.
32 H. 4502

Net 29.50

## STEEL GUY WIRE

Six strands of No. 20 high tensile strength galvanized steel wire.
33 H 310150 ft . roll. Wt., $11 / 2 \mathrm{lbs}$. $\begin{array}{lll}33 \mathrm{H} & 3101 & 50 \mathrm{ft} \text {. roll. Wt., } 11 / 2 \mathrm{lbs} . . . . \\ 33 \mathrm{H} 3102100 & \mathbf{f t} \text {. roll. Wt., } 2 \text { lbs. } & .70\end{array}$ 33 H 3103500 ft roll. Wt., 12 tbs. 3.20

## ALUMINUM GUY WIRE

7.18 gauge stranded wires. Breaking strength 500 lbs.
34 H 4627100 ft. roll. Wt., 2 lbs. 2.30

ALUMINUM GROUND WIRE
33 H 310450 ft . coil. Wt., $11 / 2 \mathrm{lbs} . \quad . \quad .79$
33 H 3105100 ft . coil. Wt. $21 / 4 \mathrm{lbs} \ldots 1.50$

## LIFELINE COPPERWELD TWIN LEAD

- Guaranteed for Life 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 Gauge Copperweld (steel clad copper) conductors with finest brown polyethylene insulation. Chemically protected against deterioration. Special "waste free" dispenser package. Shpg. wt., 33/4 lbs. Per 100 ft
32 H 3616100 ft. package
Net 2.30 32 H 3646WX 1000 ft .

Net 21.95

## TUBULAR UHF-VHF

## TWIN LEAD

Very low loss 300 ohm airspaced tubular twin lead, brown polyethylene insulation, copper conductors. Only available in $100 \mathrm{ft}^{\prime}$. coils. Shpg. wt. 3 lbs.
32 H 3608100 ft . coil
Net 2.50

## ZIP-CORD MINIATURE PARALLEL CABLE

Multi purpose miniature zip cord. 2 conductor, 24 gauge stranded. Extremely flexible for Hi . Fl installations, auto speakers, low voltage control, etc. Available in white, brown, gray, clear. Please specify color. Average shpg. wt., 2 lbs. per 100 ft. 32 H 8920 C 25 ft .

Net .47 32 H 8921 C 50 ft . Net .77 $32 \mathrm{H} 8922 \mathrm{C} 100 \mathrm{ft} \ldots \ldots . . . \quad$ Net 1.22
32 H

## 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 lbs. per 100 ft . Only in lengths shown below.

## RUBEER INSULATION POSJ

32 H 3172 Black $25^{\circ}$.
32 H 3171 Brown 25, $\quad$ Net 1.50
32 H 3173 Black $1000^{\circ} \ldots \ldots$ Net 4.17
$\begin{array}{ll}32 \text { H } 3050 \text { Brown 100 } & \text { Net } 4.17 \\ 32 \mathrm{H} 3051 \text { Brown 250 } & \text { Net } 9.50\end{array}$
PLASTIC INSULATION POT
32 H 3174 Black $25^{\circ}$
Net 1.40
Net 2.50 Net 1.40 Net 2.50 Net 1.40 Net 1.40
Net 1.40 Net 3.66 Net 6.75 Net 3.66 Net 6.75 Net 3.66 Net 3.66
Net 3.66 Net 3.66
Net 8.65

## POLARIZED SPEAKER CABLES

Package of two 25 ft . lengths $\# 20$ stranded wire In clear plastic jacket. Each coded conductor visible for easy identification when phasing speakers. 2 lbs.
32 N 3643 per pkg.
Net 1.50

## INDIVIDUALLY SHIELDED ZIP CORD

Two conductors No. 24 (7 x 32) Individually shielded in spiral wrap. Gray plastic jacket over each conductor. Ideally suited for audio, hiffi, stereo and laboratory use. Shpg. wt., 1 It. per $25^{\circ}$.
32 H 3169 25' $^{\circ}$ spool
Net 2.00
32 H 3170 50 spool
Nel 3.17

# Coaxial and Special-Purpose Cable 

## RG LOW-LOSS COAXIAL CABLES

Excellent for RF, amateur and citizens band appllcations. All branded with standard type numbers and meet requirements of RG cables on qualified products list of U.S. Government. O.D: RG-8/8U, RG-8A/U,
RG-11/U, RG-11A/U .405"; RG-58/U, RG-58A/U .195*; RG-59/U .242.

MMF/FT.: RG-8/U 29.5; RG-8A/U 30.5; RG-11/U 20.5; RG-11A/U 20.5; RG-58/U 28.5; RG-58A/U 29.5. RG-59/U 21. Avallable only in lengths Ilsted below. Avg. Shpg. wt., 12 lbs. per 100 ft .

| RG Type | Imp. | $\begin{array}{r} \text { SOFI } \\ \text { Stock } \mathrm{No} . \end{array}$ | Net | $\begin{gathered} 1001 \\ \text { Stock No. } \end{gathered}$ | Net | Stock No. | Net | $\begin{gathered} 500 \mathrm{Ft} \\ \text { stock } \mathrm{No} . \end{gathered}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RG-8/U | 52 | 32 H 1708 | 1.00 | 32 H 3031 | 13.15 | 32 H 1709 | 27.75 |  |  |
| RG.8A/U | 52 |  | . | 32 H 3015 | 14.50 | 32 H 3647 | 27.75 30.50 | $32 \text { H 3032WX }$ | 52.50 59.00 |
| RG-11/N | 75 |  | - | 32 H 3034 | 11.25 | 32 H 1711 | 26.25 | 32 H 3035 WX | 45.30 |
| RG-11A/U | 75 |  |  | 32 H 3016 | 12.43 | 32 H171 | 26.25 | 32 H 3021WX | 45.30 5250 |
| RG-58/U | 53.5 | 32 H 1712 | 2.70 | 32 H 3036 | 4.75 | 32 H 1713 | 10.20 | 32 H 3037 WX | 52.50 17.40 |
| RG-584/U | 50 | 32 H 1714 | 3.00 | 32 H 3022 | 5.55 | 32 H 173 | 10.20 | $32 \mathrm{H} \mathrm{3023WX}$ | 17.40 |
| RG-59/U | 73 | 32 H 1715 | 3.10 | 32 H 3039 | 5.50 | 32 H 1716 | 12.30 | 32 H 3040WX | 10.25 19.05 |

## LOW LOSS POLYFOAM COAX

These polyfoam coaxial cables have basically the same constructional and physical specifi cations as the standard cables bearing the same RG number. Lower attenuation and capacitance result in signal strength increases up to $35 \%$. 75 ohm cables are for TV and FM use while 50 ohm cables are ldeal for amateur radio and CB. Avallable only in lengths listed. RG-11/U 75 ohm coax feeder with non-peak ing attenuation characteristics. Ideal for distribution lead-in.
32 H 3121100 ft . coil
spool $\qquad$ Net 15.30 32 H 3122 WX 1000 ft. spool_Net 139.13 RG-59/U 72 ohm coax cable for Improved FM and TV reception. Minimizes noise, ghosts and color smears. Recommended for color TV.
TV.
32 H 3124100 ft . coll
spool Net 6.50 RG 8/U. 50 ohm impedance cable with mini. mum signal loss and stray radiation for increased antenna system efficiency 32 H 3046100 ft . coil $\qquad$ Net 14.65 32 H 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 H 3118100 ft . coil................ 6.60 32 H 3119 WX 1000 ft . spool

Net 54.00

## BELDEN COPPER BRAID SHIELDING

Flexible tinned copper braiding to shield conductors from stray fields. Reduces radiation. Tubular form lengths below 100 ft . available only in sizes listed below. Shpg. wt., per 50 ft . is 2 lbs

| Beiden No. | 1.0." | Stranding | 10 Ft. Spool |  | 50 Ft. Spool |  | 250 Ft. Spoot |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8660 | 1/8 | $96 \times 34$ | 32 H 1430 | . 68 | 32 H 1436 | 2.05 | 32 H 1717 | 9.30 |
| 8668 | 11/64 | $120 \times 34$ | 32 H 1431 | . 96 | 32 H 1437 | 2.80 | 32 H 1718 | 12.15 |
| 8663 | 1/4 | $160 \times 34$ | 32 H 1432 | 1.02 | 32 H 1438 | 3.45 | 32 H 17 t9 | 16.20 |
| 8661 | 3/8 | $192 \times 34$ | 32 H 1433 | . 95 | 32 H 1439 | 3.30 | 32 H 1720 | 15.30 |
| 8669 | 1/2 | $336 \times 34$ | 32 H 1434 | 1.62 | 32 H 1440 | 6.90 | 32 H 1721 | 33.00 |
| 8662 | 25/32 | $576 \times 34$ | 32 H 1435 | 2.22 | 32 H 1441 | 9.75 | 32 H 1722 | 47.25 |

## RUBBER JACKETED SERVICE CORDS

U.L. listed, rubber sheathed service cord. Each stranded copper conductor has color coded rubber insulation, cotton wrapped with ough outer rubber jacket. Ideal for electronics equipment, house. hold appliances, garden and power tools. SV for light appliances; S! for medium applfances and S for heavy duty equipment. Rated 300 volts maximum except $\mathrm{S} \# 14$ and $\mathrm{S} \# 10$ rated 600 volts. Avail. able only in lengths shown below. Average shpg. wt., per 100 ft ., 6 lbs

| $\begin{aligned} & \text { U.L. } \\ & \text { Type } \end{aligned}$ | Size | No. Cond. | 0.0. | Amps | 25 Ft. Spool |  | 50 Ft. Spool |  | 100 Ft. Spool stoch No. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SV | 18 | 2 | .250" | 5 | 32 H 3099 | 1.50 | 32 H 3100 | 2.81 | 32 H 3101 | 5.40 |
| S! | 16 | 2 | . 340 " | 7 | 32 H 3102 | 2.40 | 32 H 3103 | 4.35 | 32 H 3104 | 8.03 |
| \$1 | 18 | 3 | . $345^{\prime \prime \prime}$ | 5 | 32 H 3105 | 2.78 | 32 H 3106 | 4.88 | 32 H 3107 | 9.37 |
| \$1 | 16 | 3 | . 37517 | 7 | 32 H 3108 | 3.52 | 32 H 3109 | 6.75 | 32 H 3110 | 12.90 |
| 5 | 14 | 3 | $560^{\prime \prime}$ | 15 | 32 H 3111 | 6.45 | 32 H 3112 | 12.30 | 32 H 3113 | 23.85 |
| 5 | 10 | 3 | .690" | 25 | 32 H 3114 | 11.55 | 32 H 3115 | 21.38 | 32 H 3116 | 40.88 |

## STEREO PHONO $x$ nuife PICKUP WIRE

Extremely flexible, lightweight wire for all stereo cartridges and tone arms. No. 32 stranded 2,3 and 4 conductor twisted miniature color coded cables. Low hum and noise pickup for best stereo performance. Shpg. wt., 10 ft ., 4 oz.; 25 ft ., 7 oz .

| Cond. | 10 Ft . Spool |  | 25 Ft. Spool |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Sth. No. | Net | Stk. No. | Net |
| 2 | 32 H 3126 | . 48 | 32 H3127 | . 66 |
| 3 | 32 H 3128 | . 56 | 32 H 3129 | 1.32 |
| 4 | 32 H 3130 | . 72 | 32 H 3131 | 1.79 |

## SHIELDED WIRE

|  | -Individualty | shiel | H 313 |  |
| :---: | :---: | :---: | :---: | :---: |
| 2 | 32 H 3132 | . 75 | 32 H 3133 | 1.32 |
| 3 | 32 H 3134 | . 86 | 32 H 3135 | 1.48 |
| 4 | 32 H 3136 | 1.15 | 32 H 3137 | 1.98 |
| 2* | 32 H 3138 | . 83 | $\mathbf{3 2} \mathrm{H} 3139$ | 1.81 |

No. 18 solid. 2 conductor twisted pair. Plasic insulated. Shpg. wt., 3 lb . per 100 32 H 3628100 ft . coll $\qquad$ Net 2.20

## THERMOPLASTIC HOOK-UP WIRE

Convenient spools of piastic insulated wire. Specify red, black, blue or green color. Shpg wt., $25^{\circ}-1 / 2 \mathrm{lb}$.; $100^{\prime}-3 \mathrm{lb}$.
32 H 3161 C \# 20 solid $25^{\circ} \ldots \ldots$ Net .44 32 H 3162 C \# 20 solid $100^{\circ}$ $\qquad$ Net 1.00 32 H 3163C \#22 solid $25^{\circ}$ $\qquad$
$\qquad$ Net .40 32 H 3165C \# 20 stranded $25^{\circ}$ 32 H 3166 C \# 20 stranded $100^{\circ}$. Net -50 32 H 3167C \# 22 stranded $25^{\circ} \ldots$ Net .44 $32 \mathrm{H} 3168 \mathrm{C} \# 22$ stranded $100^{\circ}$ ——Net 1.00

## PUSH-BACK WIRE

No stripping necessary. Just push back double cotton cov ered paraffin damp-proofed braid and wire is exposed. No. 20 gauge stranded or solid. In red, green, black, blue or yellow. Specify color Shpg. wt. $100 \mathrm{ft} ., 1 \mathrm{lb}$. 32 स 3011 C 25 ft . stranded 32 H 3012 C 100 ft . stranded 32 H 3013 C 25 ft solid
ed $\qquad$ Net .53
$\qquad$
$\qquad$ Net 2.03 Net .50 Net 1.90

## BARE NICKEL CHROMIUM WIRE

For electrical heating appllances and devices whose operating temperatures do not exceed $1850^{\circ} \mathrm{F}$. Ideal for compact resistance required of heavy duty rheostats and controls. 1/4 lb. spools. Shpg. wt., $60 z$.

| Sth. No. | Size | Net | Stm. No. | Size | He |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 3140 | 14 | 1.67 | 32 H 3141 | 28 | 3.14 |
| 32 H 3141 | 16 | 1.76 | 32 H 3148 | 30 | 3.44 |
| 32 H 3142 | 18 | 1.85 | 32 H 3149 | 32 | 3.78 |
| 3143 | 20 | 1.95 | 32 H 3150 | 34 | 4.59 |
| 32 H 3144 | 22 | 2.13 | 32 H 3151 | 36 | 45 |
| H 3145 | 24 | 2.45 | 32 H 3152 | 38 | 8.88 |
| + 3146 | 26 | 2.79 | 32 H 3153 | A0 |  |

## MAGNET WIRE

Finest quality. Available in plain enamel or heavy FORMVAR insulation.


PLAIN ENAMELED

|  |  | 1/4 Lb. <br> Stk. No. | Spool Net | Sth. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 14 |  | 32 H 3157 | . 53 | 32 H 3158 |  |
| 16 | 12 | 32 H 3058 | . 53 | 32 H |  |
| 18 | 2 | 32 H 3060 | . 55 | 32 H 3061 |  |
| 20 | 19 | 32 H 3062 | . 56 | 32 H 3063 |  |
| 22 |  | 32 H 3064 | . 5 | 32 H 3965 | 1.0 |
| 24 | 804 | 32 H 3066 | . 59 | 32 H 306 | 1.0 |
| 26 | 280 | 32 H 3068 | . 63 | 32 H 3069 | . 1 |
| 28 | 2030 | 32 H 3070 | . 66 | 32 H 3071 | 1.1 |
| 30 | 3220 | 32 H 3072 | . 72 | 32 H 3073 | 1.2 |
| 32 | 5100 | 32 H 3074 | . 15 | 32 H 3075 | 1.3 |
|  | 808 | 32 H 3076 | . 83 | 32 H 3077 | 1.5 |
|  | 12 | 32 H 3078 | 99 | 32 H 3079 | 1.7 |
| 38 |  | 32 H 3080 | 1.15 | 32 H 3081 |  |
|  | 31,700 | 32 H 3159 | 1.4 | 32 |  |

HEAVY FORMVAR IN 1 LB. SPOOLS

| Stock Mo. | B2S Size | Feet | Net |
| :---: | :---: | :---: | :---: |
| 32 H 3082 | 14 | 78 | 1.47 |
| 32 H 3083 | 16 | 124 | 1.51 |
| 32 H 3084 | 18 | 198 | 1.55 |
| 32 H 3085 | 20 | 313 | 1.62 |
| 32 H 3086 | 22 | 501 | 1.71 |
| 32 H 3087 | 24 | 798 | 1.82 |
| 32 H 3088 | 26 | 1200 | 1.94 |
| 32 H 3089 | 28 | 1999 | 2.14 |
| 32 H 3090 | 30 | 3200 | 2.40 |
| 32 H 3091 | 32 | 3900 | 2.64 |
| 32 H 3092 | 34 | 7950 | 2.89 |
| 32 H 3093 | 36 | 12,800 | 3.23 |
| 32 H 3094 | 38 | 20,000 | 3.88 |
| 32 H 3095 | 40 | 31,700 | 5.61 |

## INTERCOM WIRE

2-conductor Twisted: Flexible, tinned copper with plastic insulation over each conductor. Shipg. wt., 2 lbs. per 100 ft . Avallable only in lengths listed below.
32 H 3052100 ft . coll $\qquad$ Net 1.09 32 H 3053250 ft. spool Net 2.25
3 conductor twisted. Same construction as above. Shpg. wt., 3 lbs. per 100 ft .
32 H 3054100 ft . coll $\qquad$ Net 1.43
3 conductor twisted. Same construction as above but with outer plastic jacket overall. Shpg. wt., 3 tbs. per 100 ft .
32 H 3056100 ft . coll
Net 3.45
32 H 3057250 ft. spool $\qquad$ Net 8.19

# Belden Wire For Microphones-Intercom-P.A. Sound 

## 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 brald, polyethylene insulated, tinned copper-braid shield, chrome vinyl jacket. Type 8410 has rubber insulation and blach rubber jacket. Available only in lengths listed below.

| Beld. No. | Dut. Dlam. | $100$ | 15 Ft . Spool |  | 25 Ft. Spool |  | 50 Ft. Spool |  | 100 Ft. Spool Stock No. Net |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8411 | .144" | 2 lb . | 32 H 1307 | 95 | 32 H 1308 | 1.31 | 32 H 1309 | 2.10 | 32 H 1310 | 3.90 |
| 8401 | .200" | 3 lb . | 32 H 1311 | 1.17 | 32 H 1312 | 1.53 | 32 H 1313 | 2.70 | 32 H 1314 | 4.95 |
| 8410 | .245*' | 4 lb . |  |  | 32 H 1316 | 2.80 | 32 H 1317 | 4.90 | 32 H 1318 | 9.00 |

## 2-CONDUCTOR LOW-IMPEDANCE MINIATURE AND STD. MIKE CABLES

All cables shielded. Miniature lypes 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, rubber 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. Available only in length listed below.

|  | Diam | $100^{\circ}$ | 15 Ft. S |  | 25 Ft . Spool |  | 50 Ft Spool |  | 100 Ft. Spool Stock No. Net |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8420 | .178" | 21/2 | 32 H 1319 | 1.65 | 32 H 1320 | 2,50 | 32 H 1321 | 3.70 | 32 H 1322 | 6.90 |
| 1 | .185*' | 21/2 lb. | 32 H 1323 | 1.86 | 32 H 1324 | 2.70 | 32 H 1325 | 5.05 | 32 H 1326 | 9.40 |
| 122 | 231" | 4 lb . | 32 H 1327 | 1.50 | 32 H 1320 | 2.25 | 32 H 1329 | 4.75 | 32 H 1330 | 7.30 |
| 8412 | .268* |  |  |  | 32 H 1332 | 2.85 | 32 H 1333 | 5.35 | 32 H 1334 | 9.90 |
| 8402 | .268" |  |  |  |  |  |  |  | 32 H 1539 | . 25 |
| 8428 | . 29 | 61/2 |  |  |  |  |  |  | 32 H 133 | . 5 |



## SHIELDED CABLES FOR <br> PA AND INTERCOM

## 2 conductor-twisted pair-shielded cables

All have stranded, tinned copper conductors (except $\Delta$ is solld) with vinyl insulation and tinned copper shield. except *have polyethylene Insulation and aluminum-Mylar wrapped shield. Types $8460-61-62$ have stranded tinned copper ground wire.

All have chrome vinyl jacket except 8432 is lacquered cotton braid and types with \# have no outer jacket over shield. Available only in lengths listed below.

| Beld. No. | Gauge | D.D." | $\begin{aligned} & \text { LDs. } \\ & 100 \mathrm{Ft} \text {. } \end{aligned}$ | $\begin{aligned} & 100 \text { Ft. } 5 \\ & \text { stock No. } \end{aligned}$ | 001 Net | $\begin{aligned} & 250 \text { Ft. St } \\ & \text { stock No. } \end{aligned}$ | pool Net | $\begin{aligned} & 500 \mathrm{Ft} . \mathrm{Si} \\ & \text { stock No. } \end{aligned}$ | pool Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8739 | 224 | . 160 | 21/2 | 32 H 1351 | 3.55 |  |  | 32 H 1540 | 15.00 |
| 8737 | 22 | . 170 | $21 / 2$ | 32 H 1352 | 3.75 | 32 H 1541 | 8.85 | 32 H 1542 | 16.50 |
| 8759 | 20 | . 195 | 21/2 | 32 H 1353 | 4.65 |  |  | 32 H 1543 | 19.50 |
| 8790 | 18 | . 231 | 4 | 32 H 1354 | 5.80 | 32 H 1544 | 12.40 | 32 H 1545 | 24.75 |
| 8780 | 16 | . 266 | 2 | 32 H 1355 | 7.05 |  | - | 32 H 1546 | 31.90 |
| 8761* | 22 | . 167 | 2 |  |  |  | - | 32 H 1547 | 14.40 |
| 8762* | 20 | . 184 | 3 | 32 H 1357 | 4.45 | 32 H 1548 | 9.90 | 32 H 1549 | 18.40 |
| $8760^{\circ}$ | 18 | . 222 | 3 |  |  | 32 H 1550 | 11.70 | 32 H 1551 | 22.15 |
| 8758 \% | 20 | . 165 | $21 / 2$ | 32 H 1360 | 4.35 |  | - | 32 H 1552 | 17.65 |
| 8789 \# | 18 | . 205 | 2 |  |  |  | - | 32 H 1553 | $25.9 n$ |
| 8779\#* | 16 | . 225 | 2 |  | - |  | - | 32 H 1554 | 33.40 |

## 2-CONDUCTOR-TWISTED PAIR-UNSHIELDED

All have tinned stranded copper conductors except * are solid copper. Types with $\dagger$ have chrome vinyl lacket overall, others without jacket. All conductors have vinyl Insulation. Avallable only in lengths listed below.

| Beld. No. | Gauge | 0.0." | $\begin{aligned} & \text { LDs. } \\ & 100 \mathrm{Ft} \text {. } \end{aligned}$ | 100 Ft. Spool |  | 500 Ft . Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8481 | 22* | . 112 | 1 | 32 H 1371 | 1.80 | 32 H 1555 | 5.80 |
| 8482 | 19* | . 115 | $11 / 2$ | 32 H 1303 | 2.25 | 32 H 1556 | 8.10 |
| 8460 | 18 | . 175 | 1 | 32 H 1372 | 3.15 | 32 H 1557 | 12.30 |
| 8470 | 16 | . 195 | 2 |  |  | 32 H 1558 | 16.50 |
| 8740 | 22* | . 150 | 2 | 32 H 1374 | 2.22 | 32 H 1559 | 7.90 |
| 8461 ¢ | 18 | . 226 | 3 | 32 H 1376 | 4.05 | 32 H 1560 | 16.50 |
| 8471 t | 16 | 256 | 4 |  | - | 32 H 1561 | 20.65 |

## SHIELDED SOUND-PA-INTERCOM CABLE



BELDEN 8208. 2 conductor No. 18 itinned stranded copper. twisted pair, rubber insulated, braided tinned copper shield, chrome vinyi jacket overall. O.D. 270". Shpg. wt. 100', 4 lbs.日ELDEN 8735. 3 conductor No. 22 tinned stranded copper vinyl insulated, cabled, tinned copper braid shield chrome vinyl jacket overall. O.D. .199". Shpg. wt.. 100', 3 lbs

Available only in lengths listed below.

| Belden No. | 15 Ft. Spool |  | 50 Ft Spool |  | 100 Ft. Spool Stock No. Net |  | 500 Ft. Spool Stock No. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8208 |  |  |  | - | 32 H 1380 | 7.30 | 32 H 1562 | 32.20 |
| 8735 | 32 H 1386 | 1.17 | 32 H 1387 | 3.00 | 32 H 1388 | 5.25 | 32 H 1563 | 22.50 |

## 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 similar 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 only in lengths listed below.

| Stock No. | Beld. No. | Gauge | 0.0. | Length |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 1564 | 8771 | 22 | . 175 | 250 ft . | 9.30 |
| 32 H 1565 | 8771 | 22 | . 175 | 500 ft . | 18.15 |
| 32 H 1566 | 8772 | 20 | . 200 | 500 ft . | 22.90 |
| 32 H 1567 | 8770 | 18 | . 236 | 500 ft . | 28.15 |
| $32 \mathrm{H} 1568{ }^{\text {* }}$ | 8791 | 18 | . 236 | 100 ft . | 7.05 |
| 32 H 1569* | 8791 | 18 | . 236 | 500 ft . | 31.50 |

All are 3 -conductor solid \#19 copper, vinyl insulated and cabled. 8487 has chrome vinyi outer jacket. 8483 has no jacket. Shpg. wt., $21 / 2 \mathrm{lbs}$, per 100 ft .
Beld

| Stock No. No. Gauge | O.D. Length | Net |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 32 H 1570 | 8487 | 19 | $\frac{180}{180}$ | 500 ft. | 14.25 | | 32 | H | 1571 | 8483 | 19 | .132 | 100 | ft. |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | | 32 | $H$ | 1572 | 8483 | 19 | .132 |
| :--- | :--- | :--- | :--- | :--- | :--- |

## SPECIAL INTERCOM AND <br>  <br> P.A. CABLES

BELDEN 8734. 3 conductor No. 22 stranded tinned copper with vinyl insulation. 1 con. ductor with tinned copper braid shield, 2 unshielded. cabled with overall chrome vinyl jacket. O.D. $194^{\prime \prime}$. Shpa, wt., per $100^{\prime}, 3$ lbs. Avallable only in lengths listed below.
32 H 1397100 ft . spoot
Net 4.65 32 H 1573500 ft . spool BELDEN 8763. 3 conductors No. 20 stranded tinned copper with polyethylene insulation. 2 conductors with aluminum-Mylar wrapped shield, 1 unshielded. Also has No. 20 strand. ed, tinned copper ground wire. Chrome vinyt jacket overall, 0.D. $210^{\prime \prime}$. Shpg, wt, per $100^{\circ}, 31 / 2$ lbs. Available onty in lengths listed below.
32 H 1574500 ft . spool
Net 22.50
BELDEN 8732. 4 conductors No. 22 stranded tinned copper with polyethylene insulation. 2 conductors with tinned copper braid shield, 2 unshielded. Also has No. 22 stranded tinned ground wire. Chrome vinyl jacket overall. Oval shape 0.0. $188^{\prime \prime} \times .296^{\prime \prime}$. Shpg. wt., $100^{\circ}, 3$ lbs. Available only in lengths listed below
32 H 1399100 ft . spool
Net 6.00
32 H 1375500 ft. spool
Net 25.50

## SHIELDED PHONO PICKUP CABLE

BELOEN TYPE 8431. Extrerrely limp and flex. ible. No. 24 stranded ( $16 \times 36$ ) tinned copper, pubber covered, tinned copper shield, brown cotton outer jacket. Dnly in lengths listed befow. Shpg. wt., 100 ft., 2 lbs.
32 H 1402 is ft. coil ........Net each . 98 32 H $1403 \quad 25 \mathrm{ft}$. coll …........Net each 1.28 32 H 1404100 ft. coil …….... Net each 4.05

## BELDEN PHONO <br> PICKUP CABLE

BELDEN 8430. Flexible, stranded twisted pair Coded red and black. Small diameter. Shpg. wt., 4 oz .
32 H 140525 ft
Net .80

# Belden TV, Intercom and P. A. Wire 

COILED MICROPHONE AND TELEPHONE CORDS


Extended length 6 times retracted length. Have insulated cadmium bronze conductors. Microphone cables have black neoprene jacket; telephone cables, black vinyl jacket. Type 8499 shieided; type 8497 1 shielded and 2 unshielded conductors, all others unshieided. Telephone cables have spade terminals and strain reltef. Shpg, wt., $1 / 2 \mathrm{lb}$.

| Stock No. | Belden No. | Cand. | Type | Exom | $\mathrm{To}_{0}$ | Het |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 H 1423 | 8415 | 4 | Mic | 111/2" | $6{ }^{\prime}$ | 1.41 |
| 32 H 1508 | 8497 | 3 | Mic | $111 / 2^{\prime \prime}$ | $6^{\prime}$ | 1.46 |
| 32 H 1509 | 8499 | 1 | Mic | 71/2" | $4^{\prime}$ | . 98 |
| . 32 H 1510 | 8494 | 4 | Tel | $10^{\prime \prime}$ | 41/2' | 1.65 |
| 32 H 1511 | 8495 | 3 | Tel | $10^{\prime \prime}$ | 41/2' | 1.31 |

TINNED BUS BAR WIRE
Solid tinned copper bus-bar wire. Especially for use where high cur. rent conductor is needed as in power plants, ground wire, switchboards and point to point wiring. Made in accordance with government specification QQ.W.343. Comes only in standard spools of 100 and 1000 feet, except 8011 available in 100 ft . spool only.

| Belde Ng. | Cand. | 0.0. | 100 Ft . Spool |  |  | 1000 Ft. Spaal |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8025 | 30 | . 010 | 32 H 1512 | 2 | . 66 | 32 H 1513 | $1 / 4$ | 2.70 |
| 8024 | 28 | . 012 | 32 H 1514 | 2 | . 66 | 32 H 1515 | 1/2 | 3.00 |
| 8023 | 26 | . 016 | 32 H 1516 | 3 | . 68 | 32 H 1517 | , | 3.23 |
| 8022 | 24 | . 020 | 32 H 1518 |  | . 69 | 32 H 1519 | $11 / 4$ | 3.60 |
| 8021 | 22 | . 025 | 32 H 1520 | 5 | . 71 | 32 H 1521 | 2 | 4.20 |
| 8020 | 20 | . 032 | 32 H 1522 | 6 | . 84 | 32 H 1523 | $34 / 2$ | 5.80 |
| 8019 | 18 | . 040 | 32 H 1524 | 6 | 1.10 | 32 H 1525 | 51/2 | 8.20 |
| 8013 | 16 | . 050 | 32 H 1526 | 14 | 1.58 | 32 H 1527 | $81 / 2$ | 13.15 |
| 8012 | 14 | . 064 | 32 H 1528 | 24 | 2.33 | $\mathbf{3 2}$ H 1529 | 13 | 19.50 |
| 8011 | 12 | . 080 | 32 H 1530 | 40 | 3.45 |  |  |  |

## BELDEN TEST PROD WIRE

Extremely flexible, limp rubber covered hi-voltage lead. No. 18 stranded, tinned, cotton wrap. 8899 for 5000 working volts. 8898 for 10,000 working volts. Speclfy red or black. Shpg. wt., 100 ft ., 2 lbs.


| N. | St. Ne. | Net | Stk. No. | Het | Sth. Mo. | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8899 | 32 H 1466C | . 75 | 32 H 1467 C | 1.15 | 32 H 1468 C | 3.60 |
| 8898 | 32 H 1469 C | 1.05 | 32 H 1470C | 1.95 | 32 H 1471C | 5.05 |

## 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. Specify red or black. Shpg. wh. $100 \mathrm{ft}-1 / 2 \mathrm{lb}$.
32 H 1531 C 25 ff . Spool
Net . 50
32 H 1532 C 100 ft . Spool

## VINYL COVERED

MULTIPLE PAIRED CABLE
For balanced line intercom system and telephone wiring. Unshlelded \#22 solid tinned copper conductors, vinyt insulated, cabled in palrs, chrome vinyl outer jacket. Available only in lengths listed below.

| $\begin{aligned} & \text { Beld } \\ & \text { Mo. } \end{aligned}$ | Cends | $\begin{aligned} & 0.0 . \\ & \text { in. } \end{aligned}$ | $\begin{aligned} & \text { Lhs. } \\ & 100^{\circ} \end{aligned}$ | Stock No. | Net | Steck Na . | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8740 | 2 | . 150 | 13/4 | 32 H 1374 | 2.22 | 32 H 1577 | 4.50 |
| 8741 | 4 | . 201 | 21/2 | 32 H 1578 | 3.75 | 32 H 1579 | 8.25 |
| 8742 | 6 | . 240 | $31 / 2$ | 32 H 1580 | 4.90 | 32 H 1581 | 10.95 |
| 8743 | 12 | . 305 | $47 / 4$ | 32 H 1582 | 7.75 | 32 H 1583 | 18.75 |
| 8744 | 18 | . 354 | 61/2 | 32 H 1584 | 10.90 | 32 H 1585 | 26.65 |
| 8754 | 26 | . 409 | 10 | 32 H 1586 | 15.30 | 32 H 1587 | 37.50 |
| 8745 | 30 | . 420 | 11 | 32 H 1588 | 18.75 | 32 H 1589 | 44.25 |

VINYL CDVERED MULTIPLE UNPAIRED CABLE
All conductors unshielded stranded tinned copper except * include two No. 18 conductors. Each conductor vinyl insulated cabled. Chrome vinyl lacket overall. Available only in sizes listed below.


- Exceptional Low Loss Shpg. wt., 100 ft .2 lbs. 100 ft . per 100 ft .
32 H $1703{ }^{\circ} 100 \mathrm{ft}$. length
32 H 1704500 ft . length


## 32 H $1420 \quad 100$ ft. spool

32 H $1705 \quad 500 \mathrm{ft}$. spool


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., 2 lbs. per 100 ft . Available only in lengths listed below.



Type 8225. Fig. A. for TV and FM antennas. Low loss polyethylene insulation. One lead tinned, one bare. Stranded No. 20 (7228).
Type $\mathbf{8 2 3 5}$. Fig. B. Low loss 300 ohm line for UHF or VHF TV an tennas. Resists oxydation and sun; made with $100 \%$ virgin poly. ethylene web. 18 gauge ( $7 \times 26$ ) stranded Wetdohm wire; copper with steel core for maximum strength.
Type 8230. Fig. A. "Weldohm" copper coated steel wire. Polyethy. lene insulation. Almost twice as strong as plain copper. Perfect for Iong runs. Stranded No. 20 ( $7 \times 28$ ). Shpg. wt. 100 ft .2 tbs.
Type 8285. Fig. C. Encapsulated in low loss cellular polyethylene. 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. Shpr. wt., 4 lbs, per 100 ft .
Type 275. Fig. D. 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. Shpg, wt., 4 Ibs. per

| Beld. No. | 50 Ft. Coil Stock No. Npt | 75 Ft. Coil Stock Mo. Net | 100 Ft . Coil Stock Mo. Met | 250 Ft. Coll Stock No. Net |
| :---: | :---: | :---: | :---: | :---: |
| 8235 | - | - 1401 - | 32 \% 14104.95 |  |
| 8225 | 32 H 14061.17 | 32 M 14071.52 | 32 H 14081.91 | 32 M 15988.75 |
| 8230 | 32 H 14121.29 | 32 H 14131.73 | 32 H 14142.16 | 32 H $1599 \quad 5.35$ |
| 8285 | 32 H 14162.85 | 32 H 14173.85 | 32 H 14184.90 | 32 H 170111.65 |
| 8275 | 32 H 15042.63 | 32 H 15053.70 | 32 H 15064.50 | 32 H 170210.75 |

## COMMUNITY TV CABLE

BELOEM 8221. 80 ohm community TV tap
off lead-in cable. 22 gauge copperweld,
 foam RG-59/U type with weather resistant black jacket. 0.0 . is $.242^{\circ}$. Shpe. wt. 4 Ibs.

Net 6.00
Net 21.00

## UNSHIELDED 2 CONDUCTOR TWISTED PAIR SPEAKER AND INTERCOM CABLE

BELDEN 8205. 2 conductor No. 20 tinned copper, vinyl insulated, cabled with overall chrome vinyl jacket. 0.D. $190^{\prime \prime}$. Shpg. wt., $100^{\circ}$ 2 lbs. Lenghts available only in sizes listed below. Net 2.85 Net 10.90

## BELDEN CATHODE RAY TUBE CABLE

BELOEN 8066 CRT cables with No 18 stranded tinned copper polyethylene insulation. Reduces corona. Long life construc. tion. Vinyl jacket. 0.0. 208, Working volt. age 40 KV . Only in lengths listed below. Shpg. wt. 3 lbs. 100 ft 32 H 170625 ft spool $\qquad$ Net 1.80 32 H 1707100 ft . spool

Net 5.10

## BELDEN 8817 LITZ WIRE

[^14]
# Wire-Antenna Kits-Electrical Accessories 



- 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 . twisted insulated transmission line, 4 insulators, 2 screw eyes, doublet lightning arrestor, window lead. In strip, ground clamp and complete instructions. Shipg. wt., 4 Ibs. 32 H 3185


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 -in. window lead-in strip, 2 antenna and 2 stand-off insulators. Simple printed instructions. Shpg. wt., 2 ibs. 32 H 3098

Net 1.50

## KIT OF FIVE 100-F00T COILS

## KIT OF FIVE 100 -FOOT COILS

Build up your supply of hook-up wire in this inexpensive way. Useful assortment at a low, low price. Shigg. wht., 3 lbs. 32 H 7901 Net per kit 2.39

## ELECTRICAL ACCESSORIES


(C) DUPLEX FLUSH RECEPTACLE. 2-pC, bakeIIte body. Will take up to \#10 wire. Totally enclosed heavy duty contacts. UL listed. 13 H 8105

Ea.,.22; 10 for 1.98
(D) E- 2 WIRE PARALLEL GROUND OUPLEX WALL OUTLET. Breakoff terminals for 2 separate 3 -wire circults. Easily wired by pressure terminals or screws. 29/32" high. UL listed, CSA approved. 15 amps; 125 V . 13 H 8119 $\qquad$ Ea., 37 ; 10 for 3.30 (E) E-Z WIRE QUIET SWITCH. Unique toggle switch for ultra-quiet action when you flip the switch... no clicking nolse. Easy to install-has screw, and E-Z wire pressure terminals plus common terminal for continuous wiring. $15 \mathrm{amps} ; 120 \mathrm{~V}$. UL listed. 13 H 8120

Ea., .35; 10 for 3.20
OUTDOOR DUPLEX PLATE


- Weatherproofs any duplex receptacle

for outdoor AC outlets and switches. Shields against. rain, snow, ice, dirt and moisture Individual "snap" covers. Lock in open posi-tion- "snap" shut-seal tight. Rust proof brass plate with aluminum finish, rubber gasket and rubber "undercoat" mat. Stainless steel hinge springs. Shpg. wt., 802. 13 H 8117 Net 1.70


1. SINGLE SURFACE OUTLET. Brown bakelite Wood mounting screw.

## 13 H 8102

Ea., . $15 ; 10$ for 1.30 2. BAKELITE PLUG. Sturdy prongs.

13 H 8103
Ea., .06; 10 for . 54 3. CHASSIS AC RECEPTACLE. Mounts from top or bottom. Mtg. centers $11 / \mathbf{m}^{\prime \prime}$ U.L. Listed. 15A. 125VAC/OC. Solder terminals. 13 H 0904

Net . 15
4. CURRENT TAP. Bakelite. Stralght socket with 2 plug outlets. U.L. Listed.
13 H 8104
Net 31
5. PARALLEL GROUNO RUBBER PLUG. With cord clamp, U ground. Cord hole: . 450": dia 12 zz ". $15 \mathrm{amps} ; 125 \mathrm{~V}$. U.L, and CSA Listed
13 H 121
Ea... $52 ; 10$ for 4.70
6. 3.way Surface outlet. Brown Pin Type terminals, wood screw.
13 H 106 ......................Ea., . 18 ; 10 for 1.62
7. HANDLE PLUG. Soft rubber.

13 H 107 ...................Ea., .09; 10 for . 81
8. MIOGET CORO CONNECTOR. Flat iwo-piece U.L. Listed.

13 H 8108
Ea., $40 ; 10$ for 3.60
9. INSULATED STAPLES. No. 5. $1 / 4^{\prime \prime} \times 5 h^{\prime \prime}$ 13 H 8109 -Package of 100

10 packages for ....2.80
10. RUBBER CUBE TAP. 3 outlets, Unbreak. able one plece soft rubber construction. U.L. Listed.

13 H 8110
11. CUBE TAP EXTENSION. Trio tap, 9 ft. rubber cord. AC plug. Brown.
13 H 8111
Ea., . $67 ; 10$ for 6.00
12. BAKELITE PULL CHAIN CURRENT TAP. Long nickel-plated bead chain pull controls $250 \mathrm{~W}, 125 \mathrm{~V}$ lamp outlet; 2 "always on" side taps, $660 \mathrm{~W}, 125 \mathrm{~V}$. Threaded to attach lamp shade holders at botfom of bakelite.
13 H 8123 U.L. Listed
Net .44
13. CANOPY SWITCH. Rotary type, composition top. Very shallow. Wire leads. Rated 3 amp. at 125 V .
13 H 8112
Ea. . $29 ; 10$ for 2.60
14. JIFFY PUSH PULL PLUG. Attaches in 5 seconds without any tools. Spring prongs. Brown. U.L. Listed.
13 H 8113
Ea., $11 ; 10$ for 1.00
15. RUBBER CORD CONNECTOR. With pull handle for extension cords. $11 / a^{\prime \prime}$ diameter. With cord clamp. U.L. Listed.
13 H 8114
Net .39
16. PARALLEL GROUNO ADAPTER. Adapts 3 wire tools and appliances to 2 wire AC outlets. 15 A ., $125 \mathrm{~V}, 334^{\prime \prime}$ ground lead and lug. With cord clamp. U.L. Listed.
13 H 8115
Net .24
17. BAKELITE EDISON SOCMET ADAPTER. Adapts standard parallel outlet to lake stand. ard bulb with Edison base. $660 \mathrm{~W}, 125 \mathrm{~V}$. 13 H 8122 U.L. Listed .........................Net

DELUXE CABINET RACKS



16 Gauge steei cabinet racks．Front verth． cal corners are rounded and the top and bottom are trimmed with red striped chrome finished moulding，Recessed pia－ 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 10.32 machine screws．Gussets welded at bottom of rear on types 170.350 for additional strensth． All are $217 \mathrm{~A}^{\circ}$ wide， $151 / 4^{\prime \prime}$ deep．Finished in gray hammertone．o／a $=$ overall

| Stock No． | Type | $0 / 3$ | $\begin{aligned} & \text { Panel } \\ & \text { Space } \end{aligned}$ | Lus． | $\begin{gathered} \text { Net } \\ 1.14 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 15-24 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H 8519WXY | DCR 70 | 83／4 | $7{ }^{\prime \prime}$ | 22 | 15.75 | 14.18 |
| 12 H 8520WXY | OCR 80 | 101／2 | $81 /{ }^{\prime \prime}$ | 24 | 16.80 | 15.12 |
| 12 H 8521wXY | OCR 100 | 121／4 | 101／2＂ | 26 | 18.38 | 16.54 |
| 12 H 8522 WXY | DCR 120 | 14 | 121／4＂ | 28 | 20.48 | 17.99 |
| 12 H as23wXY | DCR 140 | 153／4 | $14^{\prime \prime}$ | 32 | 22.05 | 19.80 |
| 12 H 8524WXY | OCR 170＊＊ | 191／4 | 1712＂ | 40 | 26.78 | 24.10 |
| 12 H 852SWXY | OCR 190＊ | 21 | 191／4＂ | 42 | 28.35 | 25.52 |
| 12 H 8526WXY | OCR 210＊ | 223／4 | $21^{\prime \prime}$ | 44 | 29.40 | 26.46 |
| $12 \mathrm{H} \mathrm{8527WXY}$ | OCR 260＊ | 28 | 261／4＂ | 45 | 31.50 | 28.35 |
| 12 H 8528wXY | OCR 310＊＊ | 331／4 | 314／2＂ | 50 | 33.60 | 30.24 |
| 12 H 8529WXY | DCR 350＊ | 363／4 | 35＂ | 55 | 35.70 | 32.13 |

## TELEPHONE TYPE CHANNEL RELAY RACKS

Open type racks constructed of 12 密auge steel finished in gray ham－ mertone．Vertical members and top crossbrace are included torether． Panel mountinz 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 type CA－4 casters．

| Stoch No． | Mfr．Type | Hx | Panel Space | Les． | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H8569WX | RR－800 | 391／4×23×18\％＂ | $363 / 4 \times 19^{\prime \prime}$ | 40 | 22.26 |
| 12 H 8590wX | RR－801 | 741／4 $\times 20 \times 207 /{ }^{\prime \prime}$ | $717 / 4 \times 19^{\prime \prime}$ | 55 | 26.46 |
| 12 H8591wx： | RR－802 | 794／2×20×207／＂ | $77 \times 19^{\prime \prime}$ | 60 | 30.66 |

］
TABLE TYPE RELAY RACKS RIgidiy constructed of 16 Rauge steel finished in gray hammertone，Base con－ structed of one piece，similap to a chassis．Panel mount－ ing holes are tapped for $10-32$ machine screws．Shipped knocked down．Not Illustrated．

| Steck No． | Mer．Type | 1xD ${ }^{\text {c }}$ | 5 pace | Uns． |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H as92WX | TR－2119 | $25 \times 21 \times 12^{\prime \prime}$ |  | 17 | 9.2 |
|  |  |  |  |  |  |

\author{

| 12 H $8597 W X$ | TR． 2819 | $32 \times 21 \times 12^{\prime \prime}$ | $28 \times 19^{\prime \prime}$ | 20 | 11.59 |
| :--- | :--- | :--- | :--- | :--- | :--- |

}

## SLOPING PANEL UTILITY BOXES

Steel and aluminum sloping panel cabinets with round toD corners and sloping front．For installations that require opening in rear of box．No． 20 gauge steel－Black Wrinkle finish．No． 18 gauge（．040） aluminum－natura！aluminum finish． $41 / 2^{\prime \prime} 1 \times 41 / 4^{\prime \prime} \mathrm{D}$ ．

| $\begin{aligned} & \text { STOCK } \\ & \text { No. } \end{aligned}$ | WIDTH | TYPE | Les | 1.49 | $\begin{gathered} \text { NET } \\ 50.99 \end{gathered}$ | $100 \cdot 14$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H 8065 | 4360 | SPC． 1200 | $3 / 4$ | 1.26 | 1.13 | 1.02 |
| 12 H 8065 | 5\％ | SPC． 1201 | 1 | 1.43 | 1.29 | 1.17 |
| 12 H 8067 | 6\％。 | SPC－1202 | 1 | 1.62 | 1.46 | 1.31 |
| 12 H 8068 | 730 | SPC－1203 | $11 / 2$ | 1.95 | 1.76 | 1.58 |
| ALUMINUM |  |  |  |  |  |  |
| 12 H 8069 | 4\％／ | ASPC． 1200 | 1／2 | 1.59 | 1.43 | 1.29 |
| 12 H 8070 | 5\％ | ASPC． 1201 | $1 / 2$ | 1.80 | 1.62 | 1.46 |
| 12 H 8071 | 6\％． | ASPC－1202 | $3 / 4$ | 2.04 | 1.84 | 1.66 |
| 12 H 8072 | 7\％ | ASPC－1203 | $3 / 4$ | 2.45 | 2.21 | 1.99 |

STANDARD AMPLIFIER FOUNDATIONS

| \％ | 边 | Consists of regular chassis with rugged． Iy constructed metal covers．Top cover has perforations，rounded corners；6＂ high；1－pc chassis with corners spot－ welded；Gray Hammertone Finish． |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No． | Type | Chassis OXWRH | Lbs． | 1.24 | $\begin{gathered} \text { Net } \\ 25-49 \end{gathered}$ | 50.99 |
| 12 H 8530 | AF． 510 | $5 \times 10 \times 3$ | 9 | 5.56 | 5.00 | 4.50 |
| 12 H8531 | AF－615 | $6 \times 14 \times 3$ | 10 | 6.44 | 5.80 | 5.22 |
| 12 H 8532 | AF－1017 | $10 \times 17 \times 3$ | 13 | 8.64 | 7.78 | 7.00 |
| 12 H 8533 | AF－1317 | $13 \times 17 \times 3$ | 15 | 10.37 | 9.33 | 8.40 |

## STANDARD RACK PANELS

Steel panels，one side black wrinkle reverse gray hammertone－ $19^{\prime \prime}$ wide．No． 12 gauge steel．

| Stock No． | Mfr．No． | Hzt． | Lhs． | 1.49 | 50.98 | $\begin{aligned} & 100 . \\ & 149 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H 8534 | RP． 119 | $13 / 4 "$ | 1 | ． 94 | ． 85 | ． 77 |
| 12 H 8535 | RP． 319 | 312＂ | 2 | 1.10 | ． 99 | ． 89 |
| 12 H 8536 | RP． 519 | $51 / 4{ }^{\prime \prime}$ | 3 | 1.32 | 1.19 | 1.09 |
| 12 H a 537 | RP． 719 | $7{ }^{\prime \prime}$ | 4 | 1.54 | 1.39 | 1.25 |
| 12 H 8538 | RP． 819 | 834＂ | 51／4 | 1.87 | 1.68 | 1.51 |
| 12 H 8539 | RP－1019 | 101／2＂ | 61／4 | 2.26 | 2.03 | 1.80 |
| 12 H 8540 | RP－1219 | $121 / 4{ }^{\prime \prime}$ | 71／4 | 2.70 | 2.43 | 2.19 |
| 12 H 8541 | RP－1419 | $14^{\prime \prime}$ | 81／4 | 3.10 | 2.79 | 2.51 |
| 12 H 8542 | RP－1519 | 153／4＂ | 9 | 3.48 | 3.13 | 2.82 |
| 12 H8543 | RP－1719 | 171／2＊ | 101／2 | 3.85 | 3.47 | 3.09 |
| 12 H 8544 | RP－1919 | 191／4＂ | 12 | 4.24 | 3.82 | 3.44 |
| 12 H 8545 | RP． 2119 | $21^{*}$ | 121／2 | 4.68 | 4.21 | 3.79 |

Aluminum panels，type MAP．bright aluminum protected both sides by peelable masking paper．Type ARP．printed one side black wrinkle reverse aray hammertone． $19^{\prime \prime}$ wide， $1 / \mathbf{s}^{\prime \prime}$ thick

| Masked Aluminum |  |  |  |  | Painted－Meversfole |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No． | Type | Each | Het． | Lbs． | STock No． | Type | E2 |
| 12 H 8546 | MAP 119 | 1.17 | $13 / 4{ }^{\prime \prime}$ | 1／2 | 12 H 8558 | ARP 119 | 1.23 |
| 12 M 8547 | MAP 319 | 1.60 | 312＂ | 1 | 12 H 8559 | ARP 319 | 1.65 |
| 12 H 8548 | MAP 519 | 2.15 | 51／4＂ | 11／2 | 12 H 8560 | ARP 519 | 2.26 |
| 12 H 8549 | MAP 719 | 2.59 | 7＂＇ | 2 | 12 H 8561 | ARP 719 | 2.71 |
| 12 H 8550 | MAP 819 | 3.14 | $87 /{ }^{\prime \prime}$ | $21 / 2$ | 12 H 8562 | ARP 819 | 3.25 |
| 12 H 8551 | MAP 1019 | 3.91 | 101／2＂ | 3 | 12 H 8563 | ARP 1019 | 4.13 |
| 12 H 5552 | MAP 1219 | 4.57 | 121／4＊ | $31 / 2$ | 12 H 8564 | ARP 1219 | 4.57 |
| 12 H 8553 | MAP 1419 | 5.23 | 14＊＊ | 4 | 12 H 8565 | ARP 1419 | 5.50 |
| 12 H 8554 | MAP 1519 | 5.83 | 153／＂ | 4 | 12 H 8566 | ARP 1519 | 6.05 |
| 12 H 8555 | MAP 1719 | 6.44 | 171／2＂ | 43／4 | 12 H as67 | ARP 1719 | 6.71 |
| 12 H 8556 | MAP 1919 | ． 7.04 | 191／4＊ | 5 | 12 H 8568 | ARP 1919 | 7.37 |
| 12 H 8557 | MAP 2119 | 7.65 | 21＂ | 6 | 12 H 8569 | ARP 2119 | 8.25 |

## ALUMINUM PANEL CHASSIS

Front flange notched for mounting on 19＂stand－ ard racks．Made of 14 gauge（．064）aluminum．All chassis depths are $5 \%_{2}{ }^{\prime \prime}$ ．Gussets are spot welded in each corner for greater strength．Efched finish． $\mathrm{H}=\mathrm{He}$ ight．

| Stock No． | Mfr，Type | H | Lbs． | 1.24 | $\begin{aligned} & \text { Net } \\ & 25-49 \end{aligned}$ | 50.99 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H 8025 | ACH． 1200 | 13＂ | $3 / 4$ | 2.89 | 2.60 | 2.34 |
| 12 M 8026 | ACH－1201 | $312^{\prime \prime}$ | 13／4 | 3.15 | 2.84 | 2.54 |
| 12 H 8027 | ACH－1202 | 51／4＂ | 11／2 | 3.41 | 3.07 | 2.71 |
| 12 H8028 | ACH． 1203 | $7{ }^{\prime \prime}$ | 2 | 3.78 | 3.40 | 3.06 |
| 12 H 8029 | ACH－1204 | 874＂ | 21／4 | 4.46 | 4.01 | 3.60 |
| 12 H 8030 | ACH． 1205 | 101／2＂ | $21 / 4$ | 4.99 | 4.49 | 4.05 |
| 12 H 8031 | ACH－1206 | 121／＊ | 3 | 5.51 | 4.96 | 4.46 |
| 12 H 8032 | ACH－1207 | $14^{\prime \prime}$ | 31／4 | 6.30 | 5．67． | 5.10 |



## MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS

Small $\pm 20$ gauge steel cabinets with a chassis spot welded to front panel．Front and rear panels removable．Finished in black winkle．Average shog．wt， $21 / 4 \mathrm{lbs}$ ．

| Stock No． | Type | $\begin{gathered} \text { Size } \\ \text { HxWxO } \end{gathered}$ | Chassis 5ize | 1.49 | $\begin{aligned} & \text { Net ea. } \\ & 50.99 \end{aligned}$ | $\begin{aligned} & 100 \\ & 149 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H 8033 | CA－1400 | $4 \times 4 \times 2$ | $1 \times 27 / 8 \times 17 / 8$ | 1.42 | 1.28 | 1.15 |
| 12 H 8034 | CA． 1401 | $4 \times 5 \times 3$ | $1 \times 37 \times 27 / 8$ | 1.60 | 1.51 | 1.36 |
| 12 H 8035 | CA． 1402 | $5 \times 4 \times 3$ | $11 / 4 \times 27 / 8 \times 27 / 6$ | 1.64 | 1.51 | 1.36 |
| 12 H 8036 | CA． 1403 | $6 \times 5 \times 4$ | $17 / 4 \times 37 / 8 \times 37 / 8$ | 2.10 | 1.85 | 1.70 |
| 12 H 8037 | CA． 1404 | $5 \times 6 \times 4$ | $11 / 4 \times 47 / 6 \times 37 / 8$ | 2.10 | 1.89 | 1.70 |
| 12 H 8038 | CA－1405 | $6 \times 6 \times 6$ | $17 / 4 \times 47 / 8 \times 57 / 8$ | 2.21 | 1.95 | 1.79 |

## 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 ham． mertone．in palis only．

| Stock No． | Mfr． <br> туре | $\mathrm{N}^{\prime \prime}$ | O＂＇ | Lbs． Tyef | 1.49 | $\begin{aligned} & \text { NET } \\ & \text { S0.99 } \end{aligned}$ | 100－149 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H 8570 | C8． 78 | 61／2 | 8 | $11 / 2$ | 1.17 | 1.05 | ． 95 |
| 12 H 8571 | CB． 710 | 61／2 | 10 | $13 / 4$ | 1.56 | 1.40 | 1.26 |
| 12 H 8572 | CB．711 | $61 / 2$ | 11 | 2 | 1.71 | 1.54 | 1.39 |
| 12 H 8573 | CB． 712 | 61／2 | 12 | 21／8 | 1.83 | 1.65 | 1.48 |
| 12 H 8574 | CB－713 | $61 / 2$ | 13 | 21／4 | 1.98 | 1.78 | 1.60 |
| 12 H 8575 | CB－717 | 64／2 | 17 | 3 | 3.08 | 2.78 | 2.50 |
| 12 H8576 | CB．810＊ | 81／2 | 10 | 23／6 | 2.31 | 2.08 | 1.88 |
| 12 H 8577 | C8－813 ${ }^{\circ}$ | $81 / 2$ | 13 | ， | 2.44 | 2.20 | 1.98 |

# (1) PBEBIIRTB Metal Products METAL UTILITY CABINETS <br> Have two removable sides for easy accessibillty, Have flanged edges 

 and spot-welded corners. No. 20 ga . steel inished in Black Wrinkle; No. 16 ga . (.051) aluminum in natural aluminum finish. Avg. shpg. wt. of steel cabinets 3 lbs., aluminum $11 / 2$ lbs. Type No, is prefaced by "C" for steel and $A C$ lor aluminum.

## COMPACT CABINETS TYPE CC-2000



Body made of 20 gauge steel with .064 afuminum front panel. TOp four corners aro rounded, Sides are perforated for ventilation. Top handle is recessed. Panel fits into $1 / 2^{\prime \prime}$ recess. Two inch opening in rear for leads. welded construction. Base has rubber feet. Body finished in dark grey metallic enamel, panel in light grey metallic enamal. With hard. ware for assembly. Ideal for instrumentation. ACH series chassis are on next page.

| Stock No. | $\begin{gathered} \text { Sixe } \\ \text { DxWxH" } \end{gathered}$ | Use Chasssis |  | Net Es. |
| :---: | :---: | :---: | :---: | :---: |
| 12 H 8435 | $8 \times 61 / 8 \times 8$ | 5×782 | 4 | 9.19 |
| 12 H 8436 | $8 \times 81 / 8 \times 8$ | $7 \times 7 \times 2$ | 5 | 10.01 |
| 12 H 8437 | $8 \times 10^{1 / 8 \times 8}$ | $7 \times 9 \times 2$ | 6 | 10.73 |
| 12 H 8438 | $12 \times 81 / 8 \times 9$ | 7×11×2 | 7 | 11.66 |
| 12 H 8439 | $18 \times 11$ / $8 \times 11$ | $10 \times 17 \times 3$ | 10 | 13.97 |
| 12 H 8440 | $18 \times 141 / 8 \times 12$ | $13 \times 17 \times 3$ | 11 | 15.95 |



Ideal for small amplifiers, oscillators, and miniature assemblies. Made of 18 gauge (.040) aluminum, natural finish. Avg. shog. wt. $1 / 2 \mathrm{lb}$.

| Stock No. | $\begin{gathered} \text { Slise } \\ \mathrm{DxW}_{3} \mathrm{H}^{\prime \prime} \end{gathered}$ | $\begin{aligned} & \text { ACH } \\ & \text { Type } \end{aligned}$ | $\begin{gathered} \text { NET } \\ 1.2425 .49 \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 12 H 8318 | $2 \% \times 23 / 4 \times 11 / 4$ | 1350 | . 44 | . 40 |
| 12 H 8319 | $11 / 4 \times 31 / \times 1$ | 1351 | 48 | 43 |
| 12 H 8320 | $31 / 2 \times 41 / 2 \times 2$ | 1352 | . 51 | . 46 |
| 12 H 8321 | $21 / 4 \times 4 / 3 \times 1$ | 1353 | . 51 | . 46 |
| 12 H 8322 | $31 / 4 \times 41 / 8 \times 11 / 2$ | 1354 | . 51 | . 46 |
| 12 H 8323 | $3 \times 61 / 611 / 4$ | 1355 | . 61 | . 56 |
| 12 H | $51 / 841 / 0 \times 11 / 2$ | 1356 | . 64 | . 58 |
| 12 H 8325 | $4 \times 31 / 8 \times 1$ | 1357 | . 51 | . 46 |
| 12 H 8326 | $4 \times 415 \times 1$ | 1358 | . 55 | . 50 |
| 12 H 8327 | $4 \times 51 / \times 1$ | 1359 | . 59 | 53 |
| 12 H 8328 | $4 \times 6 \% \times 1$ | 1360 | . 64 | 5. |

## UNIVERSAL METER CASES

A meter case that can ac commodate either a $2^{\prime \prime}$ or $3^{n \prime}$ meter. Center hole for $2^{\prime \prime}$ meter increases to $3^{\prime \prime}$ meter hole by simply re. moving a knock-out. 4Kıx $41 / 2 \times 41 / 4 "$. Supplied with two $1 / 2^{\prime \prime}$ dia, knockouts for feed inrough insulators or volume Controls. Type SPC-23 20 gauge steel-Black Wrinkle Finish Type ASPC-23 \#18 gauge (.040) Aluminum-Natural Finish. Average shpg. wt. $3 / 4 \mathrm{lb}$. 100. | Stock No. | Type | 1.49 | 50.99 | 149 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 12 H 8316 | SPC. 23 | 1.47 | 1.32 | 1.19 | 12 H 8317 ASPC. 23



## CASTERS FOR RACKS

## ANO CABINETS

Made of plaskite non-marking compositJon whee! with Ball Bearing Swivel Plate. Packed one set of 4 in box with screws for assembly.

Net per set of 4
Mar Wheal 100 -

|  | Mir. Wheel | 1.49 | 50.90 | 149 |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | No. Olam. | sets | sets | sets |

## PRS定MTI思B Standard PRECISION BUILT METAL CHASSIS

## Stock No.

 12 H 8600 12 H 8601 12 H 8602 12 H 860312 H 8604 12 H 8605 12 H 8606 $12 H 8607$
$12 H 8608$ 12 H 8608
12 H 8609 12 H 8610 12 H 8611
12 H 8612 12 H 8613
12 H 8614 $12 H 8615$
$12 H 8616$ 12 H 8617 $12 H 8618$
12 H 8619 12 H 8620 $12 H 8621$
$12 H 8622$
$12 H 8623$ 12 H 8623
12 H 8624 12 H 8625 12 H 8627

12 H 8628 12 H 8629 12 H 8630 12 H 8631 12 H 8632 12 H 8633
12 H 8634 12 H 8635 12 H 8636 12 H 8637 12 H 8638 12 H 8639 12 H 8640 12 H8641

ZINC PLATED STEEL
Type

Inches $\mathrm{CH}-436$
$\mathrm{CH}-431$
$\mathrm{CH}-43$
CH $4 \times 6 \times$
$4 \times 6 \times$ CH 432
CH
CH $\mathrm{CH}-408$
$\mathrm{CH}-426$

## CH-428

$\mathrm{CH}-401$
CH 429
$\mathrm{CH}-400$
CH-400
$\mathrm{CH}-402$
$\mathrm{CH}-434$
$\mathrm{CH}-434$
$\mathrm{CH}-403$
CH-404
$\mathrm{CH}-405$
$\mathrm{CH}-425$
$\mathrm{CH}-425$
$\mathrm{CH}-433$
$\mathrm{CH}-406$
$\mathrm{CH}-407$
$\mathrm{CH}-407$
$\mathrm{CH}-409$
$\mathrm{CH}-441$
$\begin{array}{ll}\mathrm{CH}-430 & 8 \times 12 \times 3 \\ \mathrm{CH}-410 & 8 \times 17 \times 2\end{array}$

## CH-411 $8 \times 17 \times 3$

## $\begin{array}{ll}\mathrm{CH}-412 & 81 / 2 \times 15 \times 3 \\ & 10 \times 12 \times 3\end{array}$

CH-4
CH. $415^{\text {* }}$
$\begin{array}{ll}\text { CH-415* } & 10 \times 17 \times 3 \\ \text { CH- } 416^{*} & 10 \times 17 \times 4\end{array}$
$\begin{array}{ll}C H-439^{*} & 10 \times 17 \times 4 \\ \text { CH-4 } & 10 \times 17 \times 5 \\ \text { CH } 435^{*} & 10 \times 23 \times 3\end{array}$
$\begin{array}{ll}\text { CH } \\ \text { CH } 417^{*} & 10 \times 23 \times 3 \\ \text { CH } & 11 \times 17 \times 2\end{array}$
$\begin{array}{ll}\text { CH-417* } & 11 \times 17 \times 2 \\ \text { CH-418* } & 11 \times 17 \times 3 \\ \text { CH-419* } & 12 \times 17 \times 2\end{array}$
CH-420* $12 \times 17 \times 3$
$\begin{array}{ll}\text { CH-421: } & 12 \times 17 \times 3 \\ \text { CH-422: } & 13 \times 17 \times 2\end{array}$
CH-423"
$\begin{array}{ll}\text { CH-423: } & 13 \times 17 \times 3 \\ \mathrm{CH}-424^{*} & 13 \times 17 \times 4 \\ \mathrm{CH}-440^{*} & 13 \times 17 \times 5\end{array}$
CH-438* $17 \times 17 \times 4$

|  |  | 50 | 100 |
| :---: | :---: | :---: | :---: |
| Lbs. | 1.49 | 99 | 149 |
| $1 / 4$ | 1.50 | 1.35 | 1.21 |
| 1 | 1.50 | 1.35 | 1.21 |
| 1 | 1.56 | 1.35 | 1.21 |
| $21 / 4$ | 2.16 | 1.94 | 1.26 |
| 1 | 1.50 | 1.35 | 1.21 |
| $11 / 4$ | 1.56 | 1.40 | 1.26 |
| $11 / 2$ | 1.86 | 1.65 | 1.48 |
| 2 | 2.28 | 2.05 | 1.84 |
| 1 | 1.32 | 1.19 | 1.07 |
| $21 / 2$ | 2.16 | 1.94 | 1.75 |
| 41 | 2.58 | 2.32 | 2.09 |
| $11 / 4$ | 1.56 | 1.40 | 1.26 |
| $11 / 2$ | 1.86 | 1.65 | 1.62 |
| $17 / 8$ | 1.92 | 1.73 | 1.56 |
| $21 / 4$ | 2.05 | 1.84 | 1.66 |
| $21 / 2$ | 2.10 | 1.79 | 1.61 |
| 2 | 2.04 | 1.84 | 1.66 |
| $23 / 4$ | 2.40 | 2.16 | 1.94 |
| $31 / 6$ | 2.64 | 2.38 | 2.14 |
| $21 / 2$ | 2.04 | 1.84 | 1.66 |
| $21 / 2$ | 2.40 | 2.16 | 1.94 |
| $23 / 4$ | 2.40 | 2.16 | 1.94 |
| $51 / 4$ | 2.64 | 2.38 | 2.14 |
| 3 | 2.76 | 2.48 | 2.23 |
| $231 / 4$ | 2.58 | 2.32 | 2.09 |
| $31 / 4$ | 2.70 | 2.43 | 2.19 |
| $31 / 4$ | 2.76 | 2.48 | 2.23 |
| 6 | 3.12 | 2.81 | 2.53 |
| $71 / 2$ | 3.48 | 3.13 | 2.82 |
| $81 / 2$ | 4.20 | 3.78 | 3.40 |
| 10 | 3.96 | 3.56 | 3.20 |
| $51 / 4$ | 3.78 | 3.40 | 3.06 |
| $61 / 4$ | 4.14 | 3.73 | 3.36 |
| 5 | 2.88 | 2.59 | 2.33 |
| 7 | 3.48 | 3.13 | 2.82 |
| $81 / 2$ | 3.78 | 3.40 | 3.06 |
| 6 | 4.14 | 3.73 | 3.36 |
| 7 | 4.80 | 4.32 | 3.89 |
| 10 | 5.46 | 4.91 | 4.42 |
| 11 | 6.18 | 5.56 | 5.00 |
| 13 | 7.80 | 7.02 | 6.32 |
|  |  |  |  |


| Stock No. | NATURA Type | ALUMINU Size inches | FiN Lbs. | SH $1-49$ | $\begin{aligned} & 50- \\ & 99 \end{aligned}$ | $\begin{aligned} & 100 \\ & 149 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H 8190 | ACH-436 | $4 \times 6 \times 14 / 2$ | $1 / 4$ | 1.14 | 1.03 | . 93 |
| 12 H 8191 | ACH-431 | $4 \times 6 \times 2$ | $1 / 4$ | 1.35 | 1.21 | 1.09 |
| 12 H 8192 | ACH-432 | $4 \times 6 \times 3$ | 1/a | 1.40 | 1.26 | 1.13 |
| 12 H 8193 | ACH-437 | $4 \times 8 \times 2$ | $3 / 8$ | 1.19 | 1.07 | . .96 |
| 12 H 8194 | ACH-408 | $4 \times 17 \times 3$ | $1{ }^{1}$ | 2.48 | 2.23 | 2.01 |
| $12 \text { H } 819 S$ | ACH-426 | $5 \times 7 \times 2$ | 1/4 | 1.35 | 1.21 | 1.13 |
| 12 H 8196 | ACH-428 | $5 \times 7 \times 3$ | $1 / 4$ | 1.58 | 1.42 | 1.28 |
| 12 H 8197 | ACH-401 | $5 \times 10 \times 3$ | 3/4 | 1.60 | 1.44 | 1.30 |
| 12 H 8198 | ACH-429 | $5 \times 13 \times 3$ | $3 / 4$ | 1.89 | 1.70 | 1.53 |
| 12 H8199 | ACH-400 | $51 / 2 \times 91 / 2 \times 11 / 2$ | $1 / 2$ | 1.40 | 1.26 | 1.13 |
| 12 H8201 | ACH-402 | $6 \times 14 \times 3$ | 1 | 2.70 | 2.43 | 2.19 |
| 12 H 8202 | ACH-434 | $6 \times 17 \times 3$ | 1 | 2.84 | 2.56 | 2.30 |
| 12 H 8203 | ACH.403 | $7 \times 7 \times 2$ | $1 / 2$ | 1.40 | 1.26 | 1.13 |
| 12 H 8204 | ACH-404 | $7 \times 9 \times 2$ | $1 / 2$ | 1.46 | 1.31 | 1.18 |
| 12 H 8205 | ACH-405 | $7 \times 11 \times 2$ | $3 / 4$ | 1.60 | 1.44 | 1.30 |
| 12 H 8206 | ACH-425 | $7 \times 11 \times 3$ | 7/8 | 1.72 | 1.55 | 1.39 |
| 12 H 8207 | ACH-433 | $7 \times 12 \times 3$ | 7/8 | 1.92 | 1.83 | 1.65 |
| 12 H8208 | ACH-406 | $7 \times 13 \times 2$ | 3/4 | 1.72 | 1.55 | 1.32 |
| 12 H8209 | ACH-407 | $7 \times 15 \times 3$ | 1 | 3.03 | 2.73 | 2.46 |
| 12 H8210 | ACH-409 | $7 \times 17 \times 3$ | $11 / 2$ | 2.99 | 2.69 | 2.42 |
| 12 H 8211 | ACH-441 | $8 \times 10 \times 21 / 2$ | 1 | 1.76 | 1.58 | 1.42 |
| 12 H 8212 | ACH-430 | $8 \times 12 \times 3$ | 1 | 2.30 | 2.07 | 1.86 |
| 12 H 8213 | ACH-410 | $8 \times 17 \times 2$ | 148 | 3.03 | 2.73 | 2.46 |
| 12 H8214 | ACH-411 | $8 \times 17 \times 3$ | $11 / 2$ | 3.15 | 2.83 | 2.55 |
| 12 H8215 | ACH-427 | $81 / 2 \times 15 \times 3$ | $11 / 4$ | 3.06 | 2.75 | 2.47 |
| 12 H 8216 | ACH-412 | $10 \times 12 \times 3$ | $11 / 4$ | 2.81 | 2.53 | 2.28 |
| 12 H 8217 | ACH-413 | $10 \times 14 \times 3$ | $11 / 4$ | 1.43 | 1.29 | 1.16 |
| 12 H8218 | ACH-414 | $10 \times 17 \times 2$ | 11/4 | 3.42 | 3.08 | 2.77 |
| 12 H 8219 | ACH-415 $\dagger$ | $10 \times 17 \times 3$ | 17/8 | 3.83 | 3.45 | 3.10 |
| 12 H 8220 | ACH-416 | $10 \times 17 \times 4$ | 2 | 4.41 | 3.97 | 3.57 |
| 12 H 8221 | ACH-435t | $10 \times 23 \times 3$ | 21/2 | 5.64 | 5.08 | 4.57 |
| 12 H 8222 | ACH-4171 | $11 \times 17 \times 2$ | 17/4 | 3.65 | 3.28 | 2.95 |
| 12 H 8223 | ACH-4181 | $11 \times 17 \times 3$ | 2 | 4.48 | 4.01 | 3.70 |
| 12 H 8224 | ACH-4191 | $12 \times 17 \times 2$ | $17 / 8$ | 4.00 | 3.60 | 3.24 |
| 12 H 8225 | ACH-420 | $12 \times 17 \times 3$ | 21\% | 4.74 | 4.27 | 3.84 |
| 12 H 8226 | ACH.421t | $12 \times 17 \times 4$ | 27/B | 5.23 | 4.71 | 4.24 |
| 12 H 8227 | ACH-422 | $13 \times 17 \times 2$ | 17\% | 4.22 | 3.80 | 3.42 |
| 12 H 8228 | ACH-423 | $13 \times 17 \times 3$ | 21/8 | 5.03 | 4.53 | 4.08 |
| 12 H 8229 | ACH-424t | $13 \times 17 \times 4$ | 24/2 | 5.75 | 5.17 | 4.65 |
| 12 H8230 | ACH-438t | $17 \times 17 \times 4$ | 3 | 11.33 | 10.20 | 9.18 |

## BOTTOM <br> PLATES <br> For use with above chassis. Have holes to match chassis and have 4 pressed dimples. Steel plates No. 20 gauge zinc plated. Aluminum plates No. 18 gauge (.040) in natural aluminum finish. Avg. shpg. wt., 2 lbs.

ZINC PLATED STEEL

| Stock No. | Type | Fits Chassis | 1.49 | $\begin{aligned} & 50 . \\ & 99 \end{aligned}$ | $\begin{aligned} & 100 \\ & 149 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H 8642 | BP-426 | $4 \times 6{ }^{\prime \prime}$ | . 55 | . 49 | . 44 |
| 12 H8643 | BP-430 | $4 \times 8^{\prime \prime}$ | . 55 | . 49 | . 44 |
| 12 H8644 | BP-408 | $4 \times 17^{\prime \prime}$ | . 94 | . 85 | . 76 |
| 12 H8645 | BP-423 | $5 \times 7$ "' | . 55 | . 49 | . 44 |
| 12 H 8646 | BP-401 | $5 \times 10^{\prime \prime}$ | . 61 | . 55 | . 49 |
| 12 H8647 | BP-424 | $5 \times 13^{\prime \prime}$ | . 88 | . 79 | .71 |
| 12 H 8648 | BP-400 | $51 / 2 \times 91 / 2^{\prime \prime}$ | . 55 | . 49 | . 44 |
| 12 H 8649 | BP-402 | $6 \times 14^{\prime \prime}$ | . 83 | . 75 | . 67 |
| 12 H8650 | BP-428 | $6 \times 17^{\prime \prime}$ | 1.05 | . 94 | . 85 |
| 12 H 8651 | BP-403 | 7x7" | . 61 | . 55 | . 49 |
| 12 H8652 | BP-404 | $7 \times 9$ | . 66 | . 59 | . 53 |
| 12 H 8653 | BP-405 | $7 \times 11^{\prime \prime}$ | . 88 | . 79 | . 71 |
| 12 H 8654 | BP-427 | $7 \times 12^{\prime \prime}$ | 1.10 | . 99 | . 89 |
| 12 H8655 | BP-406 | $7 \times 13^{\prime \prime}$ | . 88 | . 79 | . 71 |
| 12 H 8656 | BP-407 | $7 \times 15^{\prime \prime}$ | . 99 | . 89 | . 79 |
| 12 H 8657 | BP-409 | $7 \times 17^{\prime \prime}$ | 1.05 | . 94 | . 85 |
| 12 H 8658 | BP-433 | $8 \times 10^{\prime \prime}$ | 1.10 | . 99 | . 89 |
| 12 H 8659 | BP-425 | $8 \times 12^{\prime \prime}$ | 2.05 | 1.84 | 1.66 |
| 12 H 8660 | BP-410 | $8 \times 17^{\prime \prime}$ | 1.05 | . 94 | . 85 |
| 12 H 8661 | BP-432 | $81 / 2 \times 15^{\prime \prime}$ | 1.60 | 1.44 | 1.30 |
| 12 H 8662 | BP-412 | $10 \times 12^{\prime \prime}$ | 1.05 | . 94 | . 85 |
| 12 H 8663 | BP-413 | 10x14" | 1.10 | . 99 | . 89 |
| 12 H8664 | BP-414 | $10 \times 7$ " | 1.38 | 1.24 | 1.12 |
| 12 H8665 | BP-429 | $10 \times 23^{\prime \prime}$ | 2.20 | 1.98 | 1.78 |
| 12 H8666 | BP-418 | $11 \times 17^{\prime \prime}$ | 1.43 | 1.29 | 1.16 |
| 12 H 8667 | BP-419 | $12 \times 17^{\prime \prime}$ | 1.49 | 1.34 | 1.21 |
| 12 H8668 | BP-422 | $13 \times 17{ }^{\prime \prime}$ | 1.60 | 1.44 | 1.30 |
| 12 H 8669 | BP-431 | 17×17" | 2.31 | 2.08 | 1.87 |


$26^{95}$
VHF to 150 Miles UHF to 80 Miles FM to 85 Miles


VHF to 125 miles UHF to 65 Miles FM to 70 Miles ANTENNAS IN UHF-VHF-FM CHANNELS 2-83



## $14^{95}$

VHF to 100 Miles UHF to 60 Miles FM to 65 Miles

VHF to 60 Miles UHF to 30 Miles FM to 35 Miles

- Finest for Color or Black-White Pictures Plus FM
- One Down Lead for All 3 Signals
- Famous Log Periodic Design
- High Front-to-Back Ratio - High DB Gain
- Goldenized Finish For Long Lasting Protection
- Twin Brace Boom Supports

Super color improved antennas of famous log periodic design. Now you can easily install one antenna instead of three to obtain superb reception on VHF channels 2-13. UHF channels $14-83$ and the FM band with one down lead. Ends unsightly roof clutter while provid. ing strong, clear signals to Improve the performance of, any TV or FM set. Best for color TV and stereo FM. All antennas are preas. sembled with dowel reinforced aluminum snap-lock elements and goldenized finish for long lasting protection. Larger models feature twin brace boom supports for greater rigidity. Supplied with a specially designed 3 -way splitter for good Isolation and low signal loss.

[A] 28 ELEMENT "EXTREME FRINGE" ANTENNA
Range in miles up to: VHF to 200, 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 lbs.
18 H 0180 W K $\$ 5$ Monthly
Net 31.95
(B) 24 ELEMENT "DEEP-FRINGE" ANTENNA

Range in miles up to: VHF to 150 , UHF to 80, FM to 85 . 24 elements 9 for VHF/FM, 15 for UHF. Has $1^{\prime \prime}$ square $13^{\prime \prime} 2^{\prime \prime}$ boom with iwin brace boom supports. Shpr. wt., 12 bss. 18 H 0181 wx

Net 26.95

## [C 18 ELEMENT "FRINGE" ANTENNA

Range in miles 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 $10^{\prime \prime} 1^{\prime \prime}$ boom.
18 H 0182WX Shpg. wt., 9 lbs. $\qquad$ Net 19.95
[D 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 $4^{\prime} 8^{\prime \prime}$ boom. Shpg. wt., 7 Ibs. 18 H 0183 WX

Net 14.95
[E] 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. Shpg. wt., 5 lbs. 18 HO 0184 Wx

Net 9.75

## MATCHING TRANSFORMERS



- Improves Color Reception
- With Coaxial Fittings

Coaxial cable matching transformers for installing TV and FM antennas. For use with noise-free 72 ohm coax cable. Imported. (A) OUTDOOR - Matches 300 ohm antenna to 75 ohm coax. Mounting bracket, fittings. 99 H 4027 Shpg. wt., $1 / 2$ 10.......Net 1.79 (B) INDOOR-Matches 75 ohm coax downlead to 300 ohm TV set, with fittings. 99 H 4028 Shpg. wt., $1 / 2 \mathrm{lb}$......... Net 1.49 75-OHM RG-59U LOW-LOSS CABLE WITH CONNECTORS.
$18 \mathrm{H} 58070^{\circ}$ Shpg. wt., $11 / 2$ lbs. Net 4.95 18 H $580875^{\circ}$ Shpg. wt., $21 / 4$ lbs. Net 6.49 18 H $5809100^{\circ}$ Shpg. wt., 3 ibs. .... Net 7.69

## ANTENNA INSTALLATION KITS



VHF KIT includes 3-3' galvanized mast sections, 1 lightning arrestor. 2 mast standoffs; 5 screw-in standoffs, 100 ft . $300 \cdot \mathrm{ohm}$ iwin line. 20 ft aluminum ground wire. Shpg. wt., $63 / 4 \mathrm{lbs}$.
18 H 6721w
Net 4.95
UHF/VHF KIT same as above, except has 100 ft . tubular type twin lead. Recommended for use with all combination VHF-UHF-FM an. tennas. Shpg. wt., 7 lbs.
18 H 6722W
Net 6.29
SEE PAGES 378-379 FOR COMPLETE LISTING OF ANTENNA

# LVL-LOG-Periodic Antennas 

## FOR VHF-FM OUR "HIGH POWER" ALLChannel (2.13) *LAFAYEtTE "VECTOR-LOG"® SWEPT:ELEMENT antenna designeo for vir.TV ANO FOR DYNAMIC FM

- The finest For Color or Black-White Pictures . . . Plus FM
- Excellent Front-to-Back Ratio . . . High dB Gain
- Sharp-Narrow Gain Pattern and Selectivity
- Flat TV Color Response-Plus FM Signal
- Protective Goldenized Finish


## 2750 18 ELEMENTS

Lafayette's powerful, revolutionary LVL*-designed specifically for (VHF) true-to-life color reception plus black and white. Also reaches out to pull in static-free FM and stereo FM signals. Five models to choose from for ideal periormance. Offers such exceptional quallty features 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 No. |  |
| :--- | :---: |
| $18 H 0185 W X$ |  |
| $18 H 0186 W X$ |  |
| $18 H 0187 W X$ |  |
| $18 \mathrm{H} 0188 W X$ |  |
| $18 \mathrm{H} 0189 W X$ |  |

Range
up to 75 miles
up to 100 miles
up to 140 miles
up to 175 miles
up to 200 miles

| Elements |  |
| :---: | :---: |
| 5 | Bo |
| 7 |  |
| 10 |  |
| 15 |  |
| $18^{*}$ |  |

## FRINGE AREA "TECHN-KIT" ANTENNAS

- 20-40 FT. MAST - WITH OR WITHOUT FAMOUS ALLIANCE ROTATOR • FINEST COMPONENTS



## INSTALLATION ACCESS@RIES

Lafayette Deluxe Antenna Outfits feature Lafayette 28 Element VHF/ UHF/FM "Extreme Fringe" Antenna (see page 354) or Lafayette 18 Element, VHF/FM "Deep Fringe" antenna (see listing top of page).

Chosen by experts to meet the most demanding reception problemsEach kit contains pre-selected high-gain antenna; a telescoping mast of heavy gauge galvanized steel, plus all components in (Kit "A") which include unlversal base mount, lightning arrestor, 50 Ft . ground wire, $3.71 / 2^{\prime \prime}$ mast stand-offs, $5-31 / 2^{\prime \prime}$ wood screw standoffs, 5 gay hooks, 5 turnbuckles, 100 Ft . 300 ohm twin lead, ground rod. Guy Wire: 200 Ft . supplled with 20 Ft . outtits, 500 ft . supplied with 40 Ft . outfits. Optional Automatic Rotor package (Kit "B") IncludesAlliance U-100 Automatic Rotor; thrust bearing, additional 10 Ft . antenna mast, 100 Ft . of rotor cable. With instructions for top quallty installation. Kits shipped express only.


## SAVE WHEN YOU BUY COMPLETE ANTENNA OUTFIT

Nothing else to buy-Available with or without automatic rotor. Buying a kit glves you substantial savings over the total catalog price of Indivdual components if purchased separately.

| Stock No. | Antenna | Mast | Acc. Kit | Shpg. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 H 9019 WXM | 18 H0180WX | 20 FT . | A* | 42 Ibs. | 43.40 |
| 18 H 902 WXM | 18 H0180WX | 20 FT . | A\& $B^{*}$ | 66 lbs. | 77.30 |
| 18 H 9021 WXM | 18 H 0180 W X | 40 FT. | $A^{*}$ | 72 lbs . | 52.20 |
| 18 H 9022 WXM | 18 H 0180WX | 40 FT . | As ${ }^{\text {* }}$ | 89 lbs. | 87.40 |
| 18 H 9023WXM | 18 H 0189WX | 20 FT. | A | 42 lbs . | 37.40 |
| 18 H 9024 WXM | 18 H 0189 WX | 20 FT. | A\& 8 | 66 lbs. | 73.95 |
| 18 H 9025 WXM | 18 H 0189 WX | 40 FT . | A | 72 lbs. | 45.95 |
| 18 Hg 9026 WXM | 18 H0189WX | 40 FT . | A\& 8 | 89 lbs. | 82.75 |



## Super Color 'Tenna

## CHANNEL 2-83 PLUS FM STEREO COMPLETE WITH VHF/UHF/FM SPLITTER <br> - 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 deliver maximum signal to set. Includes VHF/UHF/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" with aluminum boom support.
18 H 0163 WX Shpg. wt., $61 / 2 \mathrm{lbs}$. $\qquad$ 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 $85^{\circ}$ less boom support.
18 H 0162 WX Shpg. wt., $61 / 2 \mathrm{lbs}$. Net 17.95
POWER BEAM VHF ANTENNA


11 Element high gain antenna provides VHF.UHF \& FM reception with one downlead. Separate folded djpoles on low and high bands assure greatest power with constant 300 ohm impedance match. Sturdily constructed $68^{\circ}$ boom. Range: VHF up to 60 milies, UHF up to 35 miles, FM up to 30 miles. Completely pre-assembled-just snap open to install. Goldenized finish resists corrosion. Complete with VHF-UHF splitter. Shpg, wt., 5 lbs.
18-0197wx
Net 9.95

## FAMOUS COLOR 'TENNA

UP TO 125 MILES OF

## POWER FRINGE

 RECEPTION- Engineered for Superior Color \& Black and White Reception High Gain on All VHF Channels

Twin-driven elements work with carefully tuned, phased and spaced directors and refiectors to extend flat high gain response across entire VHF band. Cuts out ghosts and unwanted signals. Rugged reInforced aluminum elements and brackets stand up under most severe wind and ice loading. $100 \%$ pre-assembled for easy installation Less mast. Iead-in. Shpg. wt., 7 lbs.

Net 13.95
fo H 0101 wx $\qquad$
FAMOUS COLOR TENNA

- Inline Twin-Driver, Yagi Design
- Deep Fringe Gain on All VHF Channels

UP TO 150 MILES

- Completely

Pre-assembled
Delivers the extra picture power needed for crisp, clear pictures in remote areas. Inline twin driven yagi design provides more gain and higher front-to-back ratio. Result: More TV stations, more picture power. Factory preassembled for snap-out assembly. Reinforced gold anodized aluminum construction. Less mast and twin lead. Shpg. wt., 10 lb. Net 19.95

- For Local and

Suburban Reception

- GOLDENIZED
- No Loose Parts
- Time Proven

Design

The ideal metropolitan and suburban VHF TV antenna. Broad-band, sharply directive. Full length elements, all aluminum construction, famous in-line design. 300 - hm impedance match reduces stray reflections and ghosts. Fiberglass insulators for maximum strength and weather protection. Less mount and lead-in. Shipg. wt., 6 ibs. 10 H 0102wx Net 7.50

## MAXIMUM PERFORMANCE FRINGE ANTENNA



Range to 100 Miles

- 21 Active Elements
- Snap Open Design
- Fiberglas Insulators
- Compound Yagi Array

GOLDENIZED
Field proven design for fringe reception. Gold anodized to combat corrosion. Compound yagi array to "suck-in" signals where other designs fail. "Tension-loh" hardware. Heavy wall tubing throughout. Less Mast. Shpg. wt., $81 / 2$ Ibs.
18 H 0104WX
Net 11.95
"TECHNI-POWER" DEEP FRINGE ANTENNA


TV antenna obtains maximum front-to-back ratio without sacrifice of gain on elther low or high band! 18 active elements on high band and 4 on low band. Multiple reflectors and directors, combined with the colinear elements sharply increase the directivity. Broadbanded for all VHF Channels 2 through 13. All aluminum screws and nuts to eliminate rusting at vital contacts; tagged connection points; "molded-in" lead line connection screw, and lifetime high impact polystyrene insulators and end caps to prevent whistle and lcing. Shpg. wt. $92 / 2 \mathrm{lbs}$.
18 H0117WX


Ideally sulted to Multiplex FM reception. This 10 -ejement double. driven, yagl array has the necessary added gain, sensitivity and directivity to compensate for the lack of slgnal strength. All-alumi. num goldenized construction. Fiberglas insulators. Torsion lock hardware sure-lock mast clamp. Shpg. wt., 7 lbs.
18 H 012aw
Net 9.95
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 $300-0 \mathrm{hm}$ twin lead, mast standoff, screw eye standoffs, mast mount. 18 H 0132 W Shpg. wt., 5 lbs.

Net 4.39
FM ANTENNA ONLY. Shpg. wt., 3 lbs.
Net 2.99

## ULTRA-LITE FM ANTENNA

## $2^{10}$

- 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 corosium protection. Strong, yet IIghtweight design. Shpg. wt., 1 lb .
18 H 0134
Net 2.10
FM Antenna KIt
e $3.31 / 2^{\prime \prime}$

Shpg. wt., 3 lbs.
18 H 0135
Net 3.49
"DOUBLE-DRIVEN" 5 ELEMENT FM ANTENNA


## 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, rapld and secure installation. Shipg. wt., 3 lbs.
18 H 0149WX
Net 5.95

## OMNI-DIRECTIONAL FM ANTENNA

$3^{75}$


Eliminates the need for two masts on your roof. All direction recep. tion-no rotators needed. Double mast mount-rugged, rigid parallel mounting. For use on all masts. Shpg. wi., 3 lbs. 18 H 0130 W

Net 3.75

## 20 ELEMENT STACKED SNAP OPEN CONICAL TV ANTENNA



49

- All Aluminum
- No Loose Parts
- Fastest Installations


## GOLDENIZED

Best antenna deal yet for service men-dealer and installation spe. cialists. All the most wanted fea.
 tures. Quickest, easiest installation
possible. No loose hardware. All elements snap open and lock in without tools. Most efficlent conical design for all reception areas. Two complete bays with 0 bars, less mast. Shpg. wt., 8 lbs, is H O105WX

Net 5.49

## 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 bulldIng, hotels etc., or wherever roof-top installations are impractical 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". Shpg. wt., 3 tos. $18 \mathrm{H} \mathrm{Ol38W}$

Net 4.95
[B] VHF/UHF MODEL
Same as VHF model plus 8 element UHF sec. tion.
18 H 016aw
Net 8.39
18 H 0139 Extension bar to $60^{*}$ - Net 1.39 18 H 0140 Extension bar to 72" - Net 1.79

## PRIME AREA VHF ANTENNAS

## (A) INLINE FOLDED 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. Shpg. wt., 4 lbs.

## 18 H 0107W

Net 3.79
(B) SINGLE BAY CONICAL

All aluminum 8 element conical. Provides top quallty reception on channels 2 to 13. Full sized. Rugged insulator block. Fan front of 6 full length elements. Easy to assemble. Shpg. wt., 4 lbs.
18 H 0146 W
Net 2.69

## (C) VEE-BEAM

Popular primary area antenna - covers channel 2 to 13. Provides excellent gain, especially on the high band. Sharply directional plck-up pattern gives steady. clear pictures. Utllizes rugged aluminum construc. tion. Lightweight, very easy to install. Less mast and 300 ohm twin line. Shpg. wt., 4 tbs. 18 H 0136 W

- Excellent for Metropolitan Areas
- Rugged Aluminum Construction

> ©


B

(c)

## COMPLETE WITH 3 WAY VHF/UHF/FM SPLITTER WITH EVERY ANTENNA



One powerful antenna for all your color, or black/white TV, and FM stereo needs! Combines acclaimed frequency independent log periodic design with new capacitor-coupled dipoles to develop unmatched picture power on channels 2.83 for brilliant color, blach/whiteplus FM stereo. Log periodic design with "Cap. Electronic" dipoles gives maximum gain and directivity. Dipoles work on higher mode for higher gain, narrower beamwidths, and higher front-to-back ratios. The higher mode of operation achieves better gain on channel 7 to 13 and UHF channels 14 to 83 . FM signals are fully separated. Simplified installation; with a single antenna you cover the entire VHF-UHF TV range, plus the FM band, with a single down lead. Models LPV-VU-120 thru LPV.VU-180 relnforced with U boom. Protective gold anodized aluminum construction.

| Stock No. | Model No. | Active Elements | Max. VHF | Range in UHF |  | Boom length | Shpg. wt. Ibs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 H 3823WX | LPV.VU180 | 35 | 150 | 90 | 60 | 206* | 20 | 47.31 |
| 18 H 3824WX | LPV-VU150 | 30 | 125 | 80 | 50 | 176" | 18 | 41.08 |
| 18 H 3825 WX | LPV-VU120 | 26 | 110 | 70 | 50 | 157" | 15 | 34.69 |
| 18 H 3826 WX | LPV.VU90 | 21 | 90 | 60 | 40 | 113* | 12 | 28.14 |
| 18 H 3877 WX | LPV.VUS0 | 14 | 70 | 40 | 30 | $98^{\circ}$ | 10 | 21.41 |
| 18 H 3892WX | LPV.VU40 | 11 | 50 | 30 | 25 | 68" | 8 | 17.68 |
| 18 H 3893WX | LPV-VU30 | 9 | 40 | 30 | 20 | 47" | 6 | 15.77 |

## JFD

LPV-TV COLOR LOG PERIODIC VHF/FM ANTENNAS

## FOR CHANNELS 2.13 PLUS FM STEREO

- Cap-Electronic Dipoles Assure Fine Performance On All VHF Channels
- Based On Patented

Space-age, Log Periodic Design

- Color Approved

Pulls in extra true color and sharp black/white pletures-plus trufidelity FM through patented frequency-independent, log periodic design with cap-electronic dipoles. Maximum gain and directivity on all VHF channels and especially channels 7-13. High S/N ratio eliminates snow. Ghost and interference rejected by sharp directivity, narrow beamwidth and high $1 / \mathrm{b}$ ratio. "Flip-Quick" construction for quick easy assembly. Models LPV-TV1 CO thru LPV.TV190 reinforced by powerful U-boom. All models gold anodized for protec. tion against weather and corrosion.

| Stock No. | Model No. | Active Elements | Range in Miles | Boom Length | Shpg. wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 H 3884WX | LPV.TV190 | 19 | VHF up to 200 | 205* | 23 lbs. | 53.62 |
| 18 H 3883WX | LPV-TV160 | 16 | VHF up to 175 | 176" | 19 lbs. | 41.08 |
| 18 H 3882WX | LPV-TV130 | 13 | VHF up to 150 | 143" | 15 lbs. | 34.69 |
| 18 H 3881Wx | LPV-TV100 | 10 | VHF up to 125 | 1123/4 | 13 lbs. | 29.63 |
| 18 H 3880WX | LPV-TV80 | 8 | VHF up to 100 | $81^{\prime \prime}$ | 8 lbs. | 23.24 |
| 18 H 3879WX | LPV-TV60 | 6 | VHF up to 75 | 703/4" | 7 lbs. | 17.69 |
| 18 H 3895 WX | LPV-TV50 | 5 | VHF up to 60 | 56 " | 6 lbs. | 14.50 |

# NEW Super Colortron Antennas by Winegard 

## FOR CHANNELS 2-83

 COLOR AND FM STEREO
## As Low As 1290

- Complete With VHF / UHF Splitter
- 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. Excluslve 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 terminal board (Included) for weathertight downlead connection. For extra power, use Super Colortron cartridge amplifiers; models AC-803, AC-875, see listing below.


Model B-85 9 element "CROMA-FLEX". Has the high gain, high front-to-back ratio and accurate impedance match needed to pull in sharp. clear, black and white and color pictures. Features a serles-fed UHF Intermixed design. A single transmission line from the antenna delivers VHF, UHF plus FM. Factory preassembled and constructed of extra heavy sauge anodized aluminum.
18 H 6056 WX Shpg. wt., 5 lbs .
Net 8.70
Model B-75. 7 Element Antenna designed for local areas. Wt., 4 lbs. 18 H 6057WX
VHF-UHF coupler splitter for above antennas.
18 H 6058 Shpg. wt., 602.

Net 1.76

FAMOUS COLORCEPTOR ANTENNAS


MODEL CL-4. For fringe and near fringe VHF iV reception-color or black and white. Heavy-duty gold anodized aluminum construction for rigidity and stability. Wind tested to 100 MPH . Shpg. wt. 7 lbs. 18 H 6022 WX

Net 17.95
MODEL CL-4X. Colorceptor with added Power Pack for deep fringe VHF TV reception areas. Sharp unilobe directivity enables CL. 4 X to give you crisp, clear color or black and white pictures. Wt. 10 lbs. 18 H 6023 WX

Net 26.99

## SOLID STATE CARTRIDGE AMPLIFIERS FOR

 SUPER COLORTRON ANTENNAS- For Weak TV or FM Signal Problems?
- Loads Instantly Into Any Super-Colortron VHF-UHF-FM

Antennas Listed Above
Add greater range to your Super-Colortron antenna with this solid state cartridge am plifier. Printed circuit design with Iong-life overlay silicon transistors, adds big signal boost right at point of reception. Helps pull in weak distant channels and delivers strong clean signals to TV set for crisp, clear, snow. free color and black and white. Slides per-
fectly into Super-Colortron cartridge housing on antenna. Includes connector and back of TV set power supply. For $117 \mathrm{VAC}, 60 \mathrm{cps}$. Model AC-803 82 channel 300 ohm.
18 H 6055 Shpg. wt., 2 lbs.
Net 23.98
Model AC. 87582 channel 75 ohm.
18 H 6066 Shpg. wt., 2 lbs. Net 23.98



# Electronic Rotating TV Antennas 

## NEW!

## IMPROVED "RIVIERA" FOR UHF-VHF-FM ALL-DIRECTION DOUBLE STACKED COLOR ANTENNA

- Guaranteed 125 Mile VHF, 30 Mile UHF
- Broadband UHF-VHF and FM, motorless all direction reception
- Recelves channel 2-83 from all directlons without a rotor
- All aluminum flip-out assembly - Color Perfected

Field tests reception on VHF of up to 125 miles, on UHF 30 milies. This powerful ultrafringe antenna may be used for receiving TV channels 2.83 and the FM broadcast frequencies. 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 line 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 instantly without physically moving the antenna. Superb gain on channels 2-6 comparable to stacked 10 -element single channel yagis. $161 / 2^{\prime \prime}$ doweled aluminum elements are 60 inches long. Complete with switch. 45" stacking bars and $2-7122^{\prime \prime}$ angle type mast insulators for Polymicalene line listed below. Shpg. wt., 10 lbs. 10 H 1234WX Less Mast

Net 20.50 "U-Install-It" hit: Includes Riviera antenna, chimney mount, two five it. masts, 100 ft . of Polymicalene 4 -conductor lead-in wire, 8 stand off insulators and complete instructions
18 H 1235 WX Shpg. wt., 16 lbs. $\$ 5$ monthly
Net 33.50

## NEW! "SQUARE WAVE" UHF-VHF-FM STEREO ALL-DIRECTION COLOR ANTENNA



- Receives Channels $2-83$ plus FM Stereo
- Powerful 4 Bay Fringe Antenna
- Guaranteed Up To 150 Miles VHF, Up To 100 Miles UHF - Receives Channels 2.83 Plus FM/Stereo
- Uses Only One Down Lead
- 12 Position Selector Switch, With Built-in VHF-UHF Separator

NEW!
UHF-VHF SWITCH


MONEY BACK GUARANTEE
If not completely satisfied with any ALL CHANNEL product, return at once for fuli refund, less only transportation charges.

You now can recelve powerful UHF/VHF and FM stereo signals with superb reception. The new 16 element Rembrandt Square Wave VHF/UHF/FM antenna with "speclal 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 ghost and snow. The 12 -position selector switch, with new built-in UHF/VKF signal separator convenlently 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 coior 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. Stainfess steel screws and non-ferrous wing nuts for longer life. Complete with 12 position selector switch. 12 lbs. $18 \mathrm{H} 1236 \mathrm{WX} ~ \$ 5$ Monthly

Net 36.95

THE "RIVIERA" And "SQUARE WAVE" ANTENNAS MUST BE USED WITH THE LOW LOSS LEAD IN WIRE LISTED BELOW
Spectal 4 conductors, matched impedance transmission line. Low loss, mica-filled Polymicalene copperweld conductors.
32 H 1001 W 50 ft . length
32 H 1002 W 75 ft . length
32 H 1003 W 100 ft . length

Net 5.00
Net 7.50
Net 8.90

## REMBRANOT SELECTOR SWITCH

## - New With Built-in VHF-UHF Signal Splitter

12-Position Switch with knob 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 H 1237

## TV GHOST ELIMINATOR



## ${ }^{\text {Only }} 5^{95}$

- 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 built-In. Boosts plck-up power of any antenna-old or new. Just a flick of the selector control tunes out ghosts-filters out interference-tunes in those "hard-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 problemsimply attach to antenna terminals in back of TV set-and plug into 117 V AC/DC socket. Complete satisfaction guaranteed or your money back. Shpg. wt., 2 lbs.
18 H 1206
Net 5.95 In lots of 6 ea.

Net 5.00


- Attenuating Control-No Loss,
- No Miss-match

Separates UHF and VHF signals at set while it helps eliminate ghost and picture tear due to overloading in strong signal areas. Built-in attenuating control eliminates poor sync., multiple images, buzz, beats in picture, etc. Slide switch to VHF or UHF de pending on channel selected. To help eliminate a VHF ghost, throw switch to UHF and vice versa. Connects to back of set. Wt., $1 / 2 \mathrm{ib}$. 18 H 1238

Net 3.95
on Easy Pay Plan-No Money Down

# High Gain Broad Band FM Antennas 



ALL DIRECTION FMT-A KIT

- Receives Stations from All Directions


## - Gold Corrodized

Model FMT-A Mounts on present T.V. mast An All Direction FM Antenna designed for reception over the entire FM band ( 88 to 108 Mc ). The two folded dipoles are matched with a special quarter wave phasing stub for optimum gain and approximate circular "all direction" radiation pickup pattern. Gold corrodized for complete weather protection. Kit supplied with 50 ft . of 300 ohm twin lead, two mast stand off insulators, 3. Wood screw-eye stand-off insulators. Shps. wt., $31 / 2 \mathrm{lbs}$.
18 H 3028W


## FM STEREO MODEL FM-4G

- Range Up to 125 Miles
- Gold Corrodized

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 sup. port with locking brackets for no-tilt elements. Preassembled Shpg. wt., $61 / 2 \mathrm{lbs}$. 18 H 3024 WX Net 14.94
MODEL FMS-G stacking kit for above. Stacks two antennas.
18 H 3025 W Shpg. wt., $1 / 2 \mathrm{lb}, \ldots .$. . Net 2.31 75 OHM MODEL CX-FM-4G. As above with bulit-in 75 ohm transformer, coax connector and 75.300 ohm adapter (behind tuner). 18 H 3033 wx

Net 19.92

## FM STEREO MODEL FM. 5

- Range Up to 175 Miles
- Gold Corrodized
- Braced-10 Ft. Square Boom 10 Element deluxe FM antenna using twin drive elements with impedance control " T " match stubs. Db gain of 9.6 for maximum reception throughout $88-108$ Mc 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 glrder" snap out, self aligning brackets are preassembled for easy installation. Shpg. wt., 9 Ibs.
18 H 3023 WX
Net 21.81
75 OHM MODEL CX-FM-5. As above with built-in 75 ohm coax transformer and connector. 75.300 ohm match behind tuner. 18 H 3034 WX


## [1 OMNI-DIRECTIONAL STEREO CONE 5$]^{\text {LPL-FM LOG PERIODIC FM/STEREO }}$ FM ANTENNA KITS



- Preassembled, Cor-rosion-Proof Gold Alodized Aluminum
- Kits Attach to Any TV Antenna Mast


Model AFM-175 8 element JFD Stereo Cone kits eliminate blind spots that shut out clear stereo reception at certain points. KIt includes all. direction stereo-cone FM antenna, 2 gold alodized masts, 2 U-bolts, 50 ft . 300 8 twin lead, $3 \mathrm{3} / 2^{\prime \prime}$ wood screw-eyes, one $7 y_{2 " \prime}$ wood screw.eye. one mast stand-off insulator. Shpg. wt. 6 lbs.
18 H 3871 w
Net 8.79
Model AFM-150. As above but less twin lead, screw-eyes, and insulators. Shpg. wt., 5 lbs.

Net 7.53
Model AFM-100. Self-supporting installation. Preassembled stereocone with $5^{\prime}$ gold-alodized mast Universal base mount for wall or roof, steel wire, ring standoff and mounting hardware. $50 \mathrm{ft} .300 \Omega$ twin lead
18 H 3873 w shpg. wt., 6 lbs.
Net 10.05

## FM STEREO-PLEX ANTENNA

BEAM

- Receives up to 50 Miles In Any Direction
- Goldenized

Model FM-88 Seven-Element StereoPlex FM antenna is the first antenna deslgned specifically for Multiplex Stereo FM. An omni-directional antenna with tripie the power of crossed dipoles and four times the power of "S" shaped FM antennas. All aluminum construction. Re. ceives from any direction at distances up to 50 miles from the staton. Shpg. wt, 4 lbs.
18 H 2402 W
Net 8.95


- Up To $41 \%$ More

Gain Than Conventional FM Yagis

- Uniform Gain Across Entire FM Band - Directional Selectivity for Highest Interference Rejection


Log periodic array of L-dipoles pull in superior gain-provides extra high signal strength for FM and FM Stereo-multiplex tuner circuits. offers maximum rejection of reflected or multipath signals that cause stereo distortion. Elements provide a backfire radiation for superior $\mathrm{f} / \mathrm{b}$ ratio. Frequency independent wideband response permits unvarying gain across the entire FM band. Low VSWR transfers maximum signal from the antenna to the set. Easy to assemble. Gold alodized construction protects against weather and corrosion.

| Stock No. | Model | Elements | Range in Miles | Shpg wt. los. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 H 3827 WX | LPL-FM10 | 10 | to 175 | 11 | 31.47 |
| 18 H 3828WX | LPL-FM8 | 8 | to 150 | 10 | 25.52 |
| 18 H 3829WX | LPL.FM6 | 6 | to 125 | 8 | 18.87 |
| 18 H 3830WX | LPL-FM4 | 4 | to 75 | 6 | 12.57 |

## Winegard

FM SUPERCHARGER

## $11{ }^{97}$

- Transistorized
- Gives You 8 Times More FM Signal
- Ideal for Stereo and Monaural FM
- Easy to Install

MODEL FM.355. Greatly improves FM and FM stereo reception. Transistorized booster-amplifier adds +17 db gain (8 times more signal) to incoming signal. Ideal for fringe and deep fringe areas. 300 ohm input and output. Bandpass: 88.108 mc . Operates on 110.120 VAC 60 cycles. Shpg. wt., 1 lb.

18 H 6084
Net 11.97

# UHF TV Antennas for Channels $14-83$ 

## 4-BAY BOW-TIE UHF ANTENNA

- Highest Gain on 70 UHF Channels
- Completely Preassembled
- Excellent Directivity
- Flat Response Across Each Channel

Four bay, UHF bowtie antenna, Exceptionally high (12db) gain - relatively flat across the entire spectrum... Fully factory assembled, Quickest and easiest to install. High efficiency screen grid reflector boosts front to back ratio. Unique "cross-over" phasing bars - open $V$ elements, Rugged rigid - corrosion resistant construction. Shpg, wt.. 5 lbs.
18 H 0142 WX
Net 3.95
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 preassemblar. Shpg. wt., 5 Ibs .
TH H 0143WX
Net 3.95
LAFAYETTE UHF CORNER REFLECTOR


> Range Up to 50 Miles

For quality UHF reception even in fringe areas. High galn, sharp horizontal and vertical 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. Shog wt., 5 lbs, 18 H 0144W

Net 3.95

## BLONDER-TONGUE "GOLDEN DART" UHF ANTENNA



- Range Up to 50 Miles


No matter what UHF channels serve your area-from 14 to 83-the Dart delivers a sharp, clean pattem on every channel. Utilizes the logarithmic-periodic principle which is the modern approach to UHF IV antenna design. Maintains an excellent front-to back ratio (more than 20 db ). An extremely low VS WR prevents ghosts and smears. Completely preassembled, nothing to snap out, no screws to tighten. Rugged, unitized welded construction. Sh.pg, wt., 2 lbs. 18 H 1801

Net 4.15

## LAFAYETTE 5 FT. PARABOLIC "FRINGE AREA" UHF ANTENNA



## RANGE UP TO 125 MILES

- Ulitimate in Dírectivity
- Maximum Concentration of Signal
- Rugged Construction, Easy Installation
A 5 foot parabolic antenna which utilizes a single drlve broadband driver unlt. The high front-to-back ratio eliminates 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 shleld to reduce unwanted and reflected signals. Preassembled for easy Installation. Small dlameter, rugged elements with vibration dampers limit ice loading. All aluminum with protective Gold Corodized finish. Shpg. wt., 61/2 lbs.
18 H 0190 W
Net 14.95


## JFD ZIG-A-LOG LOG-PERIODIC UHF ANTENNAS




As Low As $9^{98}$

- High Front to Back Ratio - Gold Alodized Aluminum
- Telemetry Tracking Log Periodic Design
[A Model LPV-ZU20 TWO-BAY ZIG-A-LOG has a range up to 90 miles with superb reception on all UHF channels (14.83) in color and black and white. Advanced log-periodfc principle achieves high gain and directivity while eliminating large reflecting screens. Wide band characteristics insure efficient operation throughout the UHF spectrum without ghosts or snow. The two bays angled vertically with helical conductors provide both horizontal and vertical patterns for maximum directivity with a high front-to-back ratlo. Easy to install; gold alodized to resist corrosion. Shpg. wt., 6 lbs.
18 H 3838 W
Net 19.98
(8) LPV.ZU10-Single-Bay ZIG-A-LOG. As above with range up to 60 miles.
18 H 3837W Shpg, wt., 4 lbs.
Net 9.98



## LOG PERIODIC

UHF TV
ANTENNAS
 $4^{82}$

- Telemetry Tracking Log Periodic Design
- Gold Alodized Solid Aluminum Rods
- UHF Channels 14-83; VHF Channels 7-13

Engineered and built according to the same log periodic formula as the original LPV. $30 \% \cdot 50 \%$ more effective gain than conventional UHF Antennas. Excellent front to back ratios and 300 ohm match. Razor sharp horizontal beam shuts out ghosts and interference. Completely preassembled, just unpack and mount on mast, matched frequency independent stacking provides 3 db UHF gain and $11 / 2 \mathrm{db}$ VHF gain. Any 2 LPV U's can be oriented (without using rotators) in different directions on same mast with "duo-orienting" stacking transformers.
LPV-U21 21 Active cells
$18 \mathrm{H} 3831 \mathrm{WX}+80$ miles. Shpg. wt., 8 lbs.
Net 17.60 LPV-U15 15 Active cells
18 H $3832 \mathrm{WX}+60$ miles, Shpg. wt., 6 Ibs. .......................Net 11.94 LPV-U9 9 Active cells
18 H $3833 \mathrm{Wx}+40$ miles. Shpg. wt., 5 lbs. ..................Net 7.88 LPV-U5 5 Active cells
18 H 3834 WX +25 miles. Shpg. wt.. 4 lbs.
Net 4.82
Stacking transformer for duo-orientation of 2-LPV-UHF ant

3 bed stacking transformer for LPV-U5-U9-U15. Shpz. Wt. Net 1.50 18 H 3836

Net $1 / 80$

## LAFAYETTE 7 FT. PARABOLIC "DEEP FRINGE" UHF ANTENNA



## RANGE UP TO 150 MILES

- 7 Foot Construction
- Sharp Pictures Even In Deep Fringe Areas
- Excellent 300 Ohm Match

Advanced 7 ft . diameter antenna utilizes a parabolic design to achieve the hizhest performance character. istics 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: 300 ohms. Shpg. wt., $131 / 2 \mathrm{lbs}$.
18 H 0192WX
Net 24.95

# Add Channels 14-83 To Your 12 Channel TV Set BLONDER*TONGUE 

MODEL BTX-99B



- All Channel-All Transistor
- Ideal for Good Signal Areas
- Drift Free! Distortion Free!

Keep abreast with the new look in TV programing. If your present televislon 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 noise. solid state circuit meets critical needs of good color TV reception. Rugged, reliable patented tuner. Fine vernier llluminated dial for easy tuning. Spliceless, stripless terminals, Complete with UHF loop antenna, connecting cable. For $110-120 \mathrm{~V}, 60 \mathrm{cDs}, \mathrm{AC}$. UL Listed. Shpg. wt., 2 lbs.
18 H 1830 $\qquad$ Net 19.85

MODEL BTX-11A UHF CONVERTER/AMPLIFIER


## $31^{20}$

- Amplifies Signal 3 Times - Illuminated Dial for Precise Channel Tuning

If you live anywhere within the range of a UHF station 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 UHF station. Features a new dual speed 100 to 1 fine vernier and illuminated dial for easy tuning; double tuned UHF input cl:cuits and shielded oscillator section for interference-free reception. AC convenience outlet. Complete with UHF Ioop antenna, connecting cable. Reliable patented tuner; spliceless. stripless terminals. For 110.120 V , 60 cps AC. UL Ilisted. Shpg, wt., 2 Ibs.
18 H 1831
Net 31.20

## fiwce

MODEL U-VERT 100


- All-Transistor and All Channel for Strong Signal Area

This economy UHF converier provides clear. all-channel reception in metropollian areas where you recelve a strong television signal. Adds all the UHF channels (14-83) to your present TV set. Unit is housed in a sturdy, plastic, streamilined cabinet that looks like expensive furniture . . . will actually enhance the appearance of any room as it sits on top of the TV set. Easy to install-all you need is a screwdriver and a few minutes of your time; extremely simple to operate. Meets all FCC speciffcations. Overall cabinet size $8 \times 5 \times 31 / 4{ }^{\prime \prime}$. Operates with $110-120$ volts, $60 \mathrm{cps}, ~ A C$. Underwriters Laboratories Listed. Shpg. wt., $21 / 4$ lbs.
18 H 3031
Net 14.25

MODEL U-VERT 200


- Electronic Circuit for Local and Suburban Reception - Iluminated Dial for Easy Tuning
A deluxe, all transistor converter featuring a powerful electronic circuit that makes it ideal for use in local as well as suburban areas. Features an exclusive ultra-clear, fine tuning dial to Insure easiest possible channel selection. Handsomely styled, durable plas. tic cabinet looks "just right" on top of the IV unit-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 size $8 \times 5 \times 31 / 4^{\prime \prime}$. Meets all FCC requirements. Operates on 110.120 volts, 60 cps , AC. U.L. Listed. Shpg, wt., $21 / 4$ lbs.
18 H 3032
Net 18.95

MODEL BTD-44A


- Battery Powered
- Solid State

Converter combines the most modern approach to UHF reception-solid state converter circuitry and cordless power. Troublefree tunnel diode circuit assures maximum reliability. Highly selective tuned RF stage minimizes multiple tuning problems. Rereceives channels 14 through 83 sharp and clear. Output on channel 5 or 6 . Modern cordiess power spelts convenience and economy of operation. 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 $63 / 6 \times 3 \times 33 / 4^{4}$. Shps. wt., 3 lbs. 18 H 1823

Net 13.20
Battery for above (1 req.)
99 H 6256
Net ea. . 15

## MODEL CR2-J UHF TV CONVERTER/BOOSTER

## - Drift Free; Low Noise <br> - 10 db Gain

Features a 2 transistor oscillator tuner and IM amplifier. Converts UHF channels $14-83$ to 5 or 6 on VHF only sets. Amplifies incoming signal 10 db . Standard 300 ohm match between converter and VHF input assures maximum signal transfer. Accurately calibrated smooth funing with Illuminated, slide rule dial. Șimulated mahogany cabinet of durable plastic. With UHF loop antenna. 117 volts, $60 \mathrm{cps} A C$. UL Listed. Dim.: $6 \times 7 \times 21 / 2^{\prime \prime}$. Shpg. wt. $11 / 2 \mathrm{lbs}$. 18 H 3867

MODEL U-VERT 300


## $26^{90}$

- 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 accomplished by this all solid-state converter. Exact $300 \Omega$ input and output connections assure a perfect match of your antenna and your TV set to the U-Vert 300. It uses one diode as a mixer, one high-frequency transistor as the oscillator and one high.frequency transistor as an amplifler. The transistor amplifier gives up to 15 db measured post signal conversion pain. The conversion loss prior to amplification is less than 6 db .8 wide $\times 3^{1 / 4}$ high $\times 5^{\prime \prime}$ deep. $120 \mathrm{~V}-50 / 60$ cycles, UL Listed. Shpg. wt., 2 ibs.
18 H 3035
Net 26.90



## Rembranot Color VHF/UHF Indoor Antennas



## (A) "COLOR KING" VHF/UHF ANTENNA

- Clear, Sharp Color/B\&W Pictures
- Special Color Control

Deluxe indoor antenna for color and black and white reception on all VHF and UHF channels. Perfect pictures insured by color phasing loops and color fitter 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 lbs.
18 H 1222 Walnut
18 H 1233 Mahogany
Net 12.95
Net 12.95
[B] "DELUXE" VHF/UHF INDOOR ANTENNA

- Channel $2-83$
- For Color, Black and White TV

Indoor, TV antenna with $46^{\circ}$ telescoping arms coupled with adjustable radar loops for extra efficient operation in difficutt reception areas. 12 -position dual control to reject ghosts and orient antenna to direc. tion 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 H 1207 Mahogany
Net 9.95
18 H 1208 Walnut


- Extra Heavy "Topl.Pruf" Base with Gold Trim

Features the new Directonic 12-position beam selector switch. Triangular phasing element gives a great selec. tion of circuit arrangements. Has patented 4 .section gold tone brass shafts molded into a bakelite ball housing which sits on an extra-heavy duty "Topl-Pruf" base. Shpr. wt., 3 lbs. 18 H 4801

Net 3.99

## UHF INDOOR ANTENNA



$3^{59}$

- Attractive "Bow
- Minimizes Snow

Decorator designed to blend perfectiy with any interior. Black "bow ties" are sharply set off by the attractive golden giid. Provides excellent UHF reception; minimizes snow and ghosts; attaches to back of any TV set; uses 300 -ohm lead in wire. Shpg. wt. 2 lbs.
18 H 6324
Net 3.59

## [C "POWER-KING"

A new TV antenna for all channels VMF/UHF 2 thru 83. plus color, black and white, and FM stereo. Features unique concentric rings and long telescoping arms for clear, sharp pictures. 12-position station direction control helps clear up ghosts and snow in difficult areas. New slimline styling. Includes separate leads for VHF and UHF, Avallable in mahorany and walnut. Shpg. wt., 3 lbs.
18 H 1214 Mahogany
Net 4.98 18 H 1215 Wainut Net 4.98

## [D] "RADAR COIL"

A powerful indoor antenna utilizing $46^{\prime \prime}$ long arms to provide efficient reception to 35 miles, 12 -position switch helps eliminate ghosts and snow. A real beauty to grace any decor-Brass plated coil and 4 section telescoping arms. Includes separate leads for VMF and UHF. Available in mahogany, walnut and ivory. Shpg. wt., 3 lbs.
18 H 1211 Mahogany
Net 6.95
18 H 1212 Walnut
Net 6.95
18 H 1213 Ivory
Net 6.95

## E FM STEREO/MULTIPLEX ANTENNA

The Model FM1000 features $1 / 4$-wave 4 -section precision arms; $3 / 4$. wave induction coil; 12 -position station d'rection control and a special noise filtering circult for extremely effective performance. Weak stations are strengthened and reflected signals and background nolse are blocked out. Low silhouette slim-line styling. Shpg. wt.. 3 lbs. 18 H 1217 Mahogany Net 6.95 18 H 1219 Walnut Net 6.95


A deluxe indoor antenna featuring superb color reception with the unique rotating scanner. Simple to adjust antenna position without moving base. Consists of four section chrome plated arms and a full power, double UHF loop. The separate UHF/VHF selector switch brings in maximum signat on channels $2 \cdot 13$ and $14-83$. Also two transmission lines for each range insures maximum transfer. 12. position tuning switch tunes UHF as well as VHF. Clears ghosts and eliminates interference. Extra height of unit picks up maximum possible signal. Beautiful styling complements any room decor. Available in choice of two finishes. Shpg. wt., 3 lbs.
18 H 1600 Walnut
Net 12.95
18 H 1601 Sand-wood
Net 12.95

# JFFI Indoor VHF/UHF Antennas 


(A) 4-SECTION DIPOLE ANTENNA

- Tip-Proof Base - Channels 2.13

Performs as well as it looks. 4.section aluminum dipoles adjust for best picture on any VHF channel. Handsome mahogany base. Tip-proof felt padded base design safe. guards TV cabinet. Complete with $300 \cdot \mathrm{hm}$. twin line. Shps. wi., 2 lbs.
18 H 3840
Net 1.19
(B) ASTRO-JET SWITCH-TYPE ANTENNA

- Maximum VHF/UHF/FM Performance Dual direction.finding brass-plated loops pull in stronger signals on UHF spectrum. 4 -section, 38 inch, telescoping chromed brass dipoles provide VHF reception. Multi. position channel-selector switch rejects ghosts. interference. Separate 330 ohm twin leads for VHF and UHF. Cushioned, tip-proof mahogany base. Shpg. wt., 2 lbs. 18 H3885

Net 3.29
Similar to above for VHF/FM only. 18 H 3839

(C) MAGIC MERLIN. BACK-OF-SET VHF/FM ANTENNA

- 12.Position Switch

Practically hidden when not in use. Pulls in clear, ghost-free picture on channels 2 to 13 plus FM. 4 -section. 38 inch, telescoping dipoles made of handsome, durable triple. chromed brass. Ball swivel mount adiusts to best angle for sharp directivity. Attractlve selector dial matches dipoles to best of 12 electronic circuits. 300 ohm twin-lead. 18 H 3841 Blonde Base wt. 1 lb . .. Net 5.40 18 H 3842 Mahogany Base ......... Net 5.40

## (D) PORTA-TENNA

- For Portable and Console TV's

A universal antenna for portable and stationary $\mathbf{V}$ sets. When not In use dipoles disappear. Can be placed on back of any TV set. 4 section, plated, telescoping dipoles. Complete with instructions, moun. ing hardware and lead-In. Shpg. wt.4 2 los. 18 H 3898
(E) ULTRA-VISTA - LOG PERIODIC
UHF INDOOR ANTENNA

A log periodic UHF indoor antenna-with electronically funed brass-plated trapezoid dipoles. Frequency-Independent desion pulls In extremely strong signal on all channels 14 to 83. Sharp unidirectional beamwidth removes snow. rejects Rhosts and interfer. ence. Unusually low VSWR. 300 ohm twin lead. Tip resistant, rubber cushioned stand. Shpg. wt., 3 lbs.
18 Hi 3860
Net 4.90
(F) DUET - DOUBLE DUTY 82 CHANNEL ANTENNA
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-resistant, rubber-cushioned stand. Shog. wt., 2 lbs.
18 H 3907


#### Abstract

Net 4.98


## JFD EXACT TV REPLACEMENT ANTENNAS

Exact replacement TV antennas for portable and tote-able TV receivers. Avg. Shpg. wt., $3 / 4 \mathrm{lbs}$.
TA-364 TA-386 TA-415 TA-402 TA-359


| ADMIRAL |  |  |  |
| :---: | :---: | :---: | :---: |
| 18 H 3846 | TA. 361 | 69C-2201 | 3.76 |
| 18 H 3898 | TA-154 | AN301 | 1.99 |
| 18 H 3849 | TA-370 | 69C238-1 | 4.43 |
| OUMONT |  |  |  |
| 18 H 3854 | TA-442 | 2200252 | 2.68 |
|  | FAIRB | NKS-MORSE |  |
| 18 H 3849 | TA-370 | 69C238-1 | 4.43 |


|  | EMERSON |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| 18 H 3845 | TA- 360 | 471090 |  | 5.35 |
| 18 H 3854 | TA-442 | 471003,471069, |  |  |
|  |  | 471076,471146 | 2.68 |  |



## FM TWIN LINE ANTENNA

Foided dipole type for indoor use. Six foot lead-in equipped with spade lugs for instal. lation behind cabinet, under rug, or any concealed place. Antenna tuned to center of FM Band.
18 H 5805 Shpg. wt., $11 / 2$ lbs. ... Net .99

TA. 361 TA. 362 TA. 369 TA. 370


| HOTPOINT |  |  |  |
| :---: | :---: | :---: | :---: |
| 18 H 3847 | TA-362 | ET231X3, 5 | 6.80 |
| 18 H 3845 | TA.360 | ET83X05 | 5.35 |
| MAGNAVOX |  |  |  |
| 18 H 3843 | TA-359 | 700589-2 | 2.97 |
| 18 H 3902 | TA-415 | 700893-1-2-3 | 4.89 |
| MOTOROLA |  |  |  |
| 18 H 3843 | TA. 359 | TK76, IV746989, |  |
|  |  | 85068375-A01 | 2.97 |
| 18 H 3899 | TA. 364 | TK95, 1A742795, |  |
|  |  | $18742795,18742$ <br> IV749489, IV7494 | $\begin{aligned} & 791 T, \\ & 90, \end{aligned}$ |
|  |  | IV749491 | 2.31 |
| 18 H 3902 | TA-415 | IC66120-A01 | 4.89 |
| PACKARD BEL |  |  |  |
| 18 H 3843 | TA-359 | 29429 | 2.97 |
| PHILCO.FORO |  |  |  |
| 18 H 3843 | TA-359 | 76-12581-2 | 2.97 |
| 18 H 3899 | TA-364 | 426-8007 | 2.31 |
| 18 H 3903 | TA-386 | 76-11538-1 | 2.94 |
| RCA |  |  |  |
| 18 H 3843 | TA-359 | 102381, 104341. |  |
|  |  | 104366, 104457 | 2.97 |
| 18 H 3858 | TA-398 | 109139 | 3.40 |
| 18 H 3904 | TA-413 | 109920.974564.1 | 3.40 |
| 18 H 3902 | TA-415 | 112691 | 4.89 |
| 18 H 3848 | TA. 369 | $962344-1 \text { thru } 10 .$ |  |

TA. 380 TA. 154 TA. 142 TA-442 TA-155


Stock No. JFD No. Mirs. Part No. Net Ea.
18 H 3843 TA-35S SILVERTONE
18 H 3843 TA-359 82-112-0, 82-116.0,
82-180-0, 82-254-0,
82-255-0, 82-257-0,
82-267-0, 82-268-0.
82-269-0,
82-277-0

|  |  |  |  |
| :--- | :--- | :--- | :--- |
| 18 | H 3905 |  | $82-269-0$, |
| TA 142 | $82-277-0$ | 2.97 |  |
| $82-181-0$ | 1.98 |  |  |


| SETCHELL CARLSON |  |  |  |
| :---: | :---: | :---: | :---: |
| 18 H 3905 | TA-142 | 14270 | 1.98 |
| travien |  |  |  |
| 18 H 3843 | TA-359 | L195 | 2.97 |
| 18 H 3854 | TA 442 | L120. 82-181-0 | 2.68 |
| VIRING |  |  |  |
| 18 H 3849 | TA-370 | 69C238-1 | 4.43 |


| 18 H 3849 | TA-370 | 69C238-1 | 4.43 |
| :--- | :--- | :--- | :--- |
| WESTINGHOUSE |  |  |  |
| 18 H 3843 | TA-359 | 318V023-001 | 2.97 |
|  | H 3844 |  |  |


| 18 H 3844 | TA-155 H977 | 3.27 |
| :--- | :--- | :--- | :--- |

ZENITH
$\begin{array}{llllll}18 & \text { H } 3906 & T A-424 & \text { S54974, S66362 } & 5.71\end{array}$
$\begin{array}{llll}18 & \text { H } 3901 & \text { TA-439 } & \text { S59633 }\end{array} \quad 2.90$
18 H 3850 TA. 373 S46769 5.71
If H 3851 TA- 380 \$43280 \$43260, 4.1
18 H 3859 TA-402 S50123, S5177,
$557953{ }^{3} \quad 4.89$

## ATTACHABLE UHF TV ANTENNA LOOP



Takes the place of top-of-set antennas. Slips over twin lead terminals on back of converter or T set. Elliptical loop provides top UHF reception. Shpg. wt., 1 lb . 18 M 3875

# g LaFAYETTE <br> TV and FM Boosters <br> <br> Color TV-FM Booster 

 <br> <br> Color TV-FM Booster}


- 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 silicon transisfors for more than 20 db gain across the entire band. Compact. lightweight construction permits mast mounting for maximum transfer of energy. Metal case is weatherproof with built.in lightning-protected circuit 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 ohn twinline. Imported. Shpg. Wt., 2 lbs. 99 H 4016 $\qquad$ Net 21.95

## RANGE BOOSTTM TRANSISTORIZED TV/FM BOOSTER



INDOOR POWER SUPPLY

- 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 B8W and color TV. plus FM stereo. Solid state design with 1 silicon transistor $\& 1$ diode permitting a gain of better than 12 db on high band, 9 db on low band and 7 db on FM. Compact styling, lightweight for mounting on mast for greatest transfer of energy. Metal case is weatherproof. Circult protected against light. ning. 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. Complete with mounting hardware, instructions. Imported. Shpg. wt., 2 lbs .
99 H 4023
Net 12.95


## TRANSISTORIZED 4-SET 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 Lafayefte Booster Amplifier is just what you need. Screw-on terminals make wire connectlons easy, no cutting is necessary. Transistor circuit runs cool, draws little current. Slgnal strength is boosted 3 to 5 times. WIII operate up to 4 TV and or FM sets on the same antenna. Input impedance is matched to antenna impedance. Needs no adjustment. Isolated outputs insure maximum set separation. Can be mounted in any convenient location where adequate ventilation is provided. Size $43 / 4 W \times 1 / 4 H \times 31 / 2^{\prime \prime} D$. For 117 volts, 60 cps AC. Imported. Shpg. wt., 1 lb.
99 H 4011
Net 14.95

COLOR VHF-UHF-FM AMPLIFIERS

- Clear Up Ghost, Snow, Interference
- Intensifies Color - Solid State

As Low As
$28^{17}$

- Built-in Signal Splitter
- Available Outdoor and Indoor Types

TRANSISTORIZED AMP.


Model VUT-3 MAST MOUNTED OUTDOOR AMPLIFIER. Add better performance to your VHF/UHF/FM combination antennas using one downlead. Compact power supply unit with built-in splitter mounts near set. Max. gain: 18 db on $\mathrm{ch}, 2-6 ; 14 \mathrm{db}$ on 7-13; 10 db on 14-83; 12 db on FM. 300 ohm . Weather and lighining protected printed circult am. pllfier unit mounts on mast for excellent S/N ratio. No-strip terminals. Solld state circultry. Clears up ghost, snow and interference. Intenslfies color and stops color drift. $110.120 \mathrm{VAC}, 60 \mathrm{cps} .61 / 2 \times 21 / 4 \times 21 / 2^{\prime \prime}$. Power Supply. $3 \times 43 / 4 \times 13 / 4=$. 18 H 3886 shpg. wt., $11 / 2$ lbs. Net 29.97

- Up to 16 db of Noise Free Gain

MODEL FT.1. This new ampllfier increases signal strength to your FM tuner up to 16 db. Now you can pull in those weaker stations and enjoy the same fine quality entertainment as the strong local stations provide. New OfT terminal design prevent ice and dirt buildup which retards weak signals. Sealed printed circuit board containing sharp signal-selective filter allows only FM signals to reach the tuner. Completely solld state ampllfier and power supply. Built-in two-set coupler. No-strip terminals. Shpg. wt., 2 lbs. 18 H 3861 Net 18.87

Model HVU-3 INOOOR AMPLIFIER. Improves performance of any comblination UHF/VHF/ FM outdoor antenna using one downlead. Featuring built-in signal splitter. Max. gain: 18 db on VHF: 10 db on UHF; 12 db on FM. The solid state circuitry and hi frequency matching transformer for 300 ohm at input and output assure best slgnal transferIntensifies color and stops color drift. Nostrip terminals. Clears up ghost, snow and interference. High signal to nolse ratio. Gold alodized "Jewel Box" housing. $\mathbf{1 0 0} \mathbf{1 2 0}$ volts $A C, 60 \mathrm{cps} .61 / 2 \times 31 / 2 \times 2^{\prime \prime}$. 18 H 3876 Shpg. wt., 2 lbs. Net 28.17

## TV and FM Boosters - by - Finco

## VHF-TV ANTENNA AMPLIFIER WITH REMOTE POWER SUPPLY

- Mast Mounted Pre-Amp
- High Gain On Ch-2-13 Plus FM/Stereo

- Improves Color Reception

Model 65-3, a 2-transistor antenna or mast-mounted amplifier, with dual output power supply, for VHF.TV. Features separate high band and low band amplifiers in one compact weather resistant housing-providing lowest noise figures and highest amplification ( 4 to 7 times) ideal for color. It is recommended for improving weak VHF.TV signals in medium to deep fringe reception areas, even where strong local TV or FM signals are present. Ampllfier 300 ohm input and output. Power Supply 117 V , 60 cps, with 2.300 ohm outputs with no strip terminals. Amplifier Dim: $2 \times 21 / 8 \times 41 / 4^{\prime \prime}$; Power supply: $13 / 4 \times 4 \times 41 / 2^{\prime \prime}$
18 H 3036 Shpg. wt., $24 / 4$ lbs
Net 29.95 Model $65.4,75$ ohm, similar to above, but for 75 ohm coaxial down lead from amplifier to power supply. Assures crisp clear color reception.
18 H 3037 Shpg. wt., $21 / 4$ lbs. $\$ 5$ Monthly
Net 31.95

## 2-TRANSISTOR PRE-AMPLIFIER WITH 75 OHM 2-TUBE DISTRIBUTION POST-AMPLIFIER

## - For Deep Fringe <br> - Up To +17db Gain <br> - 75 Ohms-Ideal For Color



Model 65-6, a deluxe VHF-TV 2-stage distribution amplifier for fine home and commercial systems. The antenna or mast-mounted 2 . transistor pre-amplifier matches any 300 ohm antenna to 75 ohm coax down-lead to the 75 ohm input 2 -tube distribution postamplifier, which boosts the pre-amplified ( 4 to 7 times), signal +17 db on low band, +14 db on high band. Very low noise fligure in both preamp and post-amp, plus ultra-flat frequency response In both, makes the system ideal for improved reception under the most difficult conditions. The single 75 -ohm output from the distribution post-amplifier can feed 16 or more sets or lines through the proper splitters or line taps. Size: Preamp; $2 \times 21 / 4 \times 41 / 4{ }^{\prime \prime}$. Postamp; $6 \mathrm{~K}_{0} \times 3 \mathrm{~K}_{\mathrm{o}} \times 3 \mathrm{~K}_{\mathrm{c}}{ }^{\prime \prime}$. Shpg. wt., 3 lbs.
18 H $3041 \$ 5$ Monthly
Net 52.95

INDOOR 4-set TV-FM BOOSTER-COUPLER $29^{95}$ - +8db Gain to Each of Four Outputs

- For Use with Color/ Black and White Plus FM
- Improves FM Reception
- AC Isolation Transformer -
 No Shock Hảzard
Model 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 splltters can feed 16 or more sets, depending on signal level and line length losses. Easily mounted with hardware provided. Features two 6HA5 low noise tubes, 300 -ohm input and outputs with stripless terminals. $110 \mathrm{v}, 60 \mathrm{cps}$. $6 \%_{0} \times 3 \%_{6} \times 3 \%_{6} "$ 18 H 3038 Shpg. wt., $21 / 4 \mathrm{lbs}$.

Net 17.95
$75 \mathrm{Ohm}-4$ OUTPUT DISTRIBUTION AMPLIFIER
Model 65-2, 75 ohm, similar to above except for 75 ohm,$+6 d \mathrm{~b}$ to each output. Ideal for color systems. Output with "F' type fittings. Shpg. wt., $21 / 2$ lbs.
18 H 3039
Net 23.95
Model 65.5 , SINGLE OUTPUT DISTRIBUTION AMPLIFIER +14 db gain on high band VHFF.TV. Shpg. wt., $21 / 2$ lbs 18 H 3040

Net 29.95

## INDOOR TRANSISTORIZED FM SIGNAL BOOSTER



- High Gain 20db
- Isolation Transformer-No Shock Hazard
- Ideal For Stereo And Monaural FM

Model 65-7, a very high gain, 20db (nominal), low nolse transistorized FM amplifier, with a passive filter input circuit designed to reject any strong signals outside the FM band which would normally cause interference to the wanted FM signals and aiso ellminate common overload characterlstics. Used to improve recep. tion of weak FM signals in deep or medjum 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 easily mounted on set, baseboard, or wherever desirable. Complete unit measures: $13 / 4 \times 4 \times 41 / 2^{2}$. Shpg. wt., $11 / 2$ lbs.
18 H 3042
Net 16.65

## NUVISTOR FM PREAMPLIFIER

$19^{95}$

Nuvistor Cascode FM Pre. amplifier is the ideal solution for weak, fading. and noisy FM reception. Extremely easy to install
 and operate; just connect
between your existing FM antenna and tuner or receiver with 300 ohm 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 fad. ing and background noise especially inherent in weak FM multiplex signals. Features two 60S4 nuvistors in cascode circuit. Size $53 / 4 \mathrm{Wx}$ $3 H \times 35 / 0^{\circ D}$. Power requirements 117 VAC at 60 cps . Shpg. wt. 3 lbs. 21 H 2001

## R.C.A. NUVISTOR TV BOOSTER

$19^{95}$

- High gain-low noise operation
- Designed for continuous low 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 fringe areas where noise interference and "snow" are caused by weak signal levels. From one to six additional TV sets may be con. nected using "directional coupling." Power consumption is approximately 5 watts at 120 volts. 60 cps . Shpg. wt., 2 lbs.
18 H 7504

# BLONDER TONGUE TV and FM Boosters 

## 4-SET TV-FM AMPLIFIER COUPLER

## As Low As

 $11^{97}$
## - Silicon Transistors

 - Feeds Up To 4-Sets Model PS4-300 indoor, solld state, 4-output, 300 ohm VHF/FM indoor powered splitter for VHF channels $2-13$ plus FM. Single transistor low noise, more powerful silicon circuitry, Can be used to supply up to 4 TV sets. Excellent isolation between outputs pre. vents interaction between sets. 300 ohm balanced input and output impedance. All terminals equipped with stripless screws. Size: $3 \times 41 / 6 \times 15 / \mathrm{m}^{\prime \prime}$. For $110-120 \mathrm{VAC}, 60 \mathrm{cps}$.18 H 1835 Shpg. wt., 1 ib. $\qquad$ Net 11.97 Model HVBה3P - The Homer - Similar to above except for use with 75 ohm coaxial cable. Provides 5db (typical) gain at each output. 18 H 1836 Net 16.50

MAST-MOUNTING VHF-UHF-FM AMPLIFIER


Power Supply

$35^{25}$.
2.Transistor Circuit Approved For Colorbown Built-in FM Filter Model U/Vamp- 2 weatherproof all-channel (2.83) amplifier and remote power supply silicon transistors provide peak perform ance in any location, will not overload if there are strong local stations. Dual amplification increases 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. $21 / 6 \times 5 \times 37 / 8^{*}$; Power supply, 47/4 $\times 31 / \mathrm{x} \times 13 \mathrm{c}^{\prime}$

## 18 H $1809 \$ 5.00$ Monthly

$\qquad$ Net 35.25

## MAST-MOUNTING 2-TRANSISTOR VHF/FM AMPLIFIER As Low As

## - High Signal : Noise Ratio <br> - Use For 2 TV or FM Sets <br> $24^{6{ }^{6}}$

Model Vamp-2 mast-mounted home TV amplifier with remote power supply. 2 -transistor circult brings in distant and local stations with sparkling clarity and no overioading. Built-in 2 set coupler. Provides 17 db gain. Hardware provided. 117VAC. Size amplifler: $2 \frac{1}{8} \mathrm{x}$ $5 \times 37 / \boldsymbol{c}^{\prime \prime}$; Power supply, $47 / 2 \times 31 / 8 \times 17 / \mathrm{m}^{\prime \prime}$. Shpg. wt., $11 / 2 \mathrm{lbs}$.
18 H 1810
Net 24.62
18 H 1829 Vamp-2.75-As above except 75 ohm
Net 27.65
INDOOR TWO-SET UHF /VHF


Model V/U-ALL-2, brings in weak signals and minimizes overload from strong local signals, for peak performance in all areas, Bulit-in 2 -set coupler. Can supply up to 4 sets with additional couplers. Built-in splitter provides excellent impedance match; ellminates interference and provides ghost-free reception. Com bined UHF/VHF input; 2-combined UHF/VHF outputs ( 300 ohm) $117 \mathrm{VAC} .41 / 3 \times 5 \times 21 / 4$. Shpg. wt., 1 lb.

## -

 Net 26.85
## MAST-MOUNTED 2.TRANSISTOR UHF AMPLIFIER

## - Triples Signal Strength

- Silicon Transistor Circuit Gives Uniform High Gain
Model ABLE.U2, offers maximum S/N ratio to give snow-iree pictures, even in difficult fringe areas. Will not overload strong signals. High db gain offers top performance on channels $14-83$. Operates on existing twin-lead antenna wire. Remote power sup. ply works on 117 VAC, 60 cps . Mounting hardware supplied. Dim.: (ea. unlt) $3 x$ $41 / 2 \times 15 / 4$.
Power Supply 18 H 1813 Shpg. wt., $11 / 4$ lbs. .... Net 29.65

4-SET TV-FM 2.TRANSISTOR AMPLIFIER


ModeI DA4-V300 indoor 300 ohm amplifier for channels $2-13$ plus FM. 2 transistor- -4 output amplifier can supply up to 8 or more TV sets with couplers. Gain: VHF 8 db . Maximum signal to noise ratio for clear strong pictures. Excellent Isolation between outputs pre. vents interaction between sets. Ideal for use in home and small 300 ohm systems. Stripless screw terminals, with self-contained power supply. $81 / 4 \times 31 / 4 \times 17 / \mathrm{m}^{*}$. For $110-120 \mathrm{VAC}, 60 \mathrm{cDS}$. 18 H 1833 Shpg. wt., 2 lbs.

Net 23.70

## 4-SET VHF-UHF-FM Amplifiers

Model DA4-U/V. 300 Similar to above except for channels 2-83 plus FM. 3-transistor silicon circuitry provides excellent gain across entire band, GaIn: VHF, 8 db ; UHF, 6 db .
18 H 1834 \$5 Monthly
Net 37.17


Model AB-3, deluxe mast mounted amplifier for use in the most difficult reception areas. One of the most powerful units avaliable for the home. May be used in small hotels, appliance stores etc. Will 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 amplifier and its remote power supply. (Power supply is included with unit.) Dual high level output impedance- 75 or 300 ohms. Specs: 25 db minimum gain on all VHF and FM frequencies; bandpass, 54.108 MHz and 174.216 MHz , Max., output (at full gain; across 75 ohm) -0.9 V total low band: 0.6 V high band, for $1 \%$ crossmodulation. 105.12 VAC, 60 cps ; at 0.34 A .
18 H 1812 Shpg. wt., 10 lbs. $\$ 5$ Monthly
Net 81.15

## VHF MASTER TV/FM SYSTEM AMPLIFIER

 As Low As 442 - Serves Up to 50 TV- For Homes, TV Showrooms, Schools and Motels - High Gain

Model HAB, low-noise broadband amplifier for use in larger home systems, motels, appliance stores. High and low band gains are in dependently variable, providing compensation for different signa! strengths and increased system losses at higher frequencies. Wil, drive up to 50 sets in a properly designed distribution system. Dual impedance 75 and 300 ohm input and output. Gain controls adjust output to desired level, 25 db minimum gain on all VHF/FM frequencies, Bandpass of $54-108 \mathrm{MHz}$ and $174-216 \mathrm{MHz}$. Gain control range: $15 \mathrm{db}, \mathrm{ch}, 2-13$ and FM ; $15 \mathrm{db}, \mathrm{ch}, 7-13$. Noise figure: ch. 2-6, $4 \mathrm{db} ; 7-13,6 \mathrm{db} ; F M, 4 \mathrm{db}$ (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 cps .
18 H 1808 Shpg, wt., 5 lbs. $\$ 5$ Monthly
Net 44.62

## INDOOR 8-SET VHF AMPLIFIER <br> 68 <br> 85 <br> - 22db Output Isolation <br> - Built-in Splitter <br> - 75 Or 300 Ohm

Model DA-88, has built-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 level. Gain control range 20 db . Uses afl triode circuitry. For 105.120VAC, 60 cps .9 $5 \times 51 / 2$. (Not ili.)
18 H 1827 Shpg. wt., 6 lbs. $\$ 5$ Monthly
Net 68.85
Order Your Antenna System Now - No Money Down

## TV-FM Boosters by Winegard

"RED.HEAD 82" VHF-UHF-FM SOLID-STATE AMPLIFIER

- For Color and Black and White - Use With Any VHF-UHF-FM Antenna Model AP-83 transistorized amplifier gives big signal boost to any 82 channel antenna for beautiful color and black and white reception. No extra wires needed; connects to ex. isting downlead. High signal input assures snow-free reception of weak and distant stations. AC isolation transformer-no shock hazard. Protected against lightning, static discharges, or power line surges. Built-in hi-pass filter. With AC power supply, mtg. hardware. 117 VAC, 60 cps .
18 H 6068 Shpg. wt., 2 lbs. Net 17.95 Behind set VHF-UHF signal splitter. 18 H 6058 Shpg, wt. 6 oz. Net 1.80 Model AP. 87 As above, but 75 ohm. 18 H 6069 $\qquad$ Net 19.50 Behind set VHF-UHF spiltter and 75. 300 ohm matching transformer. 18 H 6067 Shpg. wt., 6 oz. Net 2.98



## AP-220N VHF/FM BOOSTER AMPLIFIER

## $\underset{\text { As }}{\text { As }} 297$

- Uses 2 Long-Life Nuvistors
- Works On Any VHF/FM Antenna
Amplifies weak TV signals. Strong Signals will not overload. Ultra-low noise circult, high amplification, llat frequency response. High input, +15 db gain. Weather-sealed, corrosion-proof polysty. rene case. Comes with $A C$ power supply and built-In 2 -set coupler. Wt., 3 lbs. 18 H 6011 Net 23.97 MODEL AP275N. Same as above except 75 ohm, with connectors. 18 H 6046 $\qquad$

+25 DB VHF-UHF-FM SOLID.STATE COLOR SYSTEM AMPLIFIER Only


## $35^{95}$

No Money Down

- Will Drive 10 TV/FM Units
- Use In Motels, Apartments, Hospitals, Homes
- Solid State High Gain Transistor Circuit
Model DA-825 75 -ohm 82 -channel high quality color and black and white amplifier with 25 db gain. Rugged transistor circuitry features silicon transistors in a unique grounded emitter circuit for excellent stability, sensitivity, and uftra low noise figure ( 5.1 db VHF, 7 db UHF). Provides 35 dbmv per channel UHF output with 4 channel input operating at $60 \%$ maximum input level. Ideal for home and commercial MATV systems with up to 10 Ilne tap offs. May be used with a single 82 channel antenna or separate VHF.UHF antennas. Compactly designed in a vented cabinet unit. Complete with coaxial connectors, hardware and built-in 117 VAC power supply. (Mod. LTF-73A line tap offs recommended.) See below, 18 H 6070 Shpg. wt., 3 lbs. $\$ 5$ Monthly

Net 35.95 Behind set VHF-UHF signal splitters.
18 H 6058 Shpg. wt., 6 oz.


82 CHANNEL LINE TAP OFF WITH BUILT-IN MATCHING TRANSFORMER

- Input 75 ohm-Output 300 ohm

Model LTF-73A flush mounting 82 channel wall plate and outlet. Built-in $75 \cdot 300$ ohm matching transformer. Fits standard outlet box. Complete with plug. Terminates with P-59TB connector. Fixed isolation values: $10,15,20 \mathrm{db}$.
18 H 6077 Shpg. wt., $1 / 2$ Ib
Net 2.10

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- 03 boosts signal on all channels $2-83$ plus FM from an 82 channel antenna. 300 ohm transistorized booster coupler de. signed to connect 2 sets using existing downlead. Average gain of 5.25 db to each output amplifies weak signals for snow-free recep. tion. Sllicon transistors for stability. $\mathbf{3 0 0}$-ohm input and outputs No-strip terminais. Polystyrene case. 117 VAC 18 H 6071 Shpg. wt., 1 tb.


Behind set VHF-UHF signal splitter. Shpg. wt., 602.
18 H 6058 Net 11.95 Net 1.80
Model BC-87 Similar to above, except with 2.75 ohm outputs. Avg., gain 4.5 db to each output.
18 H 6072
Net 12.90
Behind set VHF-UHF splitter and $\mathbf{7 5} \mathbf{5 0 0}$ ohm matching transformer. 18 H 6067 Shpg. wt., 6 02. Net 2.98

## SOLID STATE VHF-FM 4-SET BOOSTER/COUPLER/AMPLIFIER

- +7-1 db Gain To Each Of 4-300 Ohm Outputs
- Recommended For Color and Black and WhiteImproves FM Reception
- 75 and $300 \cdot \mathrm{ohm}$ Inputs


Model BC-234 makes a good home TV and FM system amplifier, or an amplified 4 -set coupler. Gain is +7.1 db at each of the $4-300$ ohm outputs or +14 db at the single 75 ohm output. Uses tempera. ture stable overiay silicon transistors-Iong life, low cost operation. Flat response for perfect color reception. No interaction between sets. All metal housing. Includes connectors. I17VAC.
18 H 6075 Shpg, wt. 3 ibs.
Net 20.95
Model BC- 274 As above, except with 4.75 ohm outputs. Avg., gain 4 db opr nutput. With connectors. Shpg. wt., 3 lbs.
18 H 6076
Net 23.97
Model T-28 402
18 H 6020 Net 1.80

## 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
- Fine Commercial $Q 395$

Model BC-382 highly efficient TV.FM signal amplifier with overlay silicon transistors and printed circuitry. Delivers full gain on ali 82 channels ( 5 ob 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 avg., VHF, 11.7 db avg., UHF), cuts snow even In deep fringe areas. Uses existing 300 -ohm downlead to the input and has $4-300$ ohm outputs with "no-strip" connections. In enamel steel case with connectors and instructions. 117 VAC. Shpg. wt ., 3 lbs. 18 H 6073

Net 23.95
18 H 6058 Behind set VHF-UHF signal splitter. Wt., 6 oz. Net 1.80 Model BC. 782 SImilar to above except for 75 ohms; avg., gain 6.5 db per output.
18 H 6074
Net 26.95
Behind set VHF.UHF splitter and $75 / 300$ matching transformer,
18 H 6067 Shpg. wt., 602.
Net 2.98

## DISTRIBUTION MULTI-SET COUPLERS

- For VHF/UHF-FM

Model LT-63-Coupler designed to run-1.6 TV/FM sets in a 300 ohm home system, easy mount.
18 H 6043
Net 4.77
Model LT-103-10 set coupler for large home installations. Input: 75 ohm, Output: Ten 300 ohm.
18 H 6044
Net 7.77
Make Lafayette Your One Dependahle Source for Everything in Electronics

- Alliance Tenna-Rotors Systems


No Money Down

- Factory Lubricated for Life
- Reinforced Housing for All Weather Protection
- External Hardware Stainless Steel or Corrosion Resistant Materials
(A) Model C-225 Automatic Rotor System with Transistorized Control Box, If an individual can lift and install his antenna, this Tenna-Rotor will support it. hold it. and rotate it. Accepts masts to $13 / \mathrm{s}^{\prime \prime}$ O.D. Guy wire accesses ppovide secure installation. Has patented offset feed thru design for greater strength to weight ratio. Control Case is completely transistorized featuring a patented phase-sensing bridge circuit designed from scientific laboratory test equipment. Completely silent operation and accurate repeatablify Size: Rotator $73 / 4 \times 41 / 2^{\times 1} 8^{\prime \prime}$ Control Case $61 / 2 \times 41 / 4 \times 5^{\prime \prime}, 115 \mathrm{~V} .60$ cycle $A C, 80$ watts. Uses 5 Cond. Cable. Shpg. wt., 12 lbs.
18 H 1401W $\$ 5$ Monthly
Net 35.97

Model U-100 Automatic Rotor System, If an individual can lift and install his antenna, this Tenna.Rotor will support it, hold it, and rotate it. Accepts masts to $113 \mathrm{~K}^{\prime \prime} 0 . \mathrm{D}$. Guy wire accesses provide secure installation. Control Box fully automatic, just set control knob and antenna rotates to desired positlon and stops automatically. Indicator shows position of antenna. Has positive mechanical stop at the end of rotatlon. Sizes: Rotator $73 / 4 \times 41 / 2 \times 8^{\prime \prime}$. Control Case $7 \times 41 / 2 \times 4^{\prime \prime \prime}$
$100 \mathrm{~V}, 60 \mathrm{cDs} A C$ at 65 watts. Uses 4 Cond. Cable. Shpg. wt., 12 lbs.

Net 28.78

- 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) Model T-45 Manual Rotor System. Slight pressure on the control Dar rotates antenna through its full $360^{\circ}$ cycle and stops at any point by releasing the bar. New patented 5 -wire circuit provides a precision system that is unaffected by motor current, cable length and line voltage variations, Improved electrical system with expanded meter scale, assures pin-point accuracy and easy-to-read antenna directlon indication. 115 V .60 cycle AC at 70 watts. Size: Rotator $73 / 4 \times 41 / 2 \times 8^{\prime \prime}$ Control Case $6^{1 / 2} \times 41 / 2 \times 21 / 2^{\prime \prime}$. Uses 5 Cond. Cable. Shpg. wt. 12 tbs. 10H 1402

Net 23.98
(D) Model K-22 Manual Rotor System, Economy model-provides in. stant fingertip control of rotation. Push on end of bar and antenna turns clockwise. Push down on other end and antenna turns counter. clockwise, Automatic signal light indicates when limit of travel in elther direction has been reached. Size: Rotator $73 / 4 \times 51 / 4 \times 8^{\prime \prime}$. Case $5 \times 5 \times 4{ }^{\prime \prime} .115 \mathrm{~V}, 60$ cycle, AC at 50 watts. Uses 4 Cond, Cable, Shpg. wt. 12 lbs . 1404 W
18

Net 19.37
(E) Thrust Bearing Bracket. Increases stress capacity of antenna rotators up to 300 lbs , and is recommended for stacking antennas. Withstands winds up to 90 MPH . Prevents buckling and bending. Shpg. wt, 3 los. 18 H 1405

Net 2.97


CABLES FOR ALLIANCE AND CDR ROTATORS
4 Conductor flat cable. Shpg. wt., 3 lbs. 5 Conductor Cable. Shpg. wt. 4 lbs. per 8 Conductor Cable. Shpg. wt., 6 lbs. per per 100 ft. 32 H 8910 per 100 ft . Net $3.10 \quad 32 \mathrm{H} 3631$ per 100 ft . $\qquad$ Net $3.69 \quad 100 \mathrm{ft}$. $\qquad$ Het 5.45 370 Lafayette Cat. No. 680 To Speed Your Mail Order - Please Give Your Zip Code Number

# TV-FM Filters - Lightning Arresters 

## LAFAYEITE HIGH PASS FILTER

## $2^{19}$



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 nolse, etc. Attenuation more than 25 db at 47 MC . Only 5 db Insertion loss. Imported. 99 H 4021 Shpg. wt., 8 oz .

Net 2.19

## JFD HIGH PASS FILTER



- For Outdoor-Indoor Use

Model HP50. HI.pass wavetrap that eliminates ham, citizens' band, police, fire, marine interference. Low phase 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 lb 18 H 3820

Net 3.30

LAFAYETTE TV FILTERIZER
95
 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 $4 \times 27 / 4 \times 11 / 2^{\prime \prime}$. Imported. Shpg. wt., 7 oz.
99 H 4017
Net 2.95

LAFAYETTE LO-PASS LINE FILTER


- Dual Ferrite Core Coils


Exceptionally efficient line noise eliminator, Utilizing dual ferrite core coils, heavily wound Eliminates line noises caused by motors, indus: trial RF, neons, appliances, elc. Particularly useful on TV and FM sets, radios, funers, record players. Automatic attenuation of un. wanted disturbances. Imported. Shpg. wt., $11 / 4$ lbs.
99 H 4005
Net 2.69

## FINCO FM BAND PASS FILTER



- Eliminates Interference to FM Reception
- Engineered To Mount Anywhere

MODEL 3007. Eliminates interference from citizen band, amateur operators, electric motors, aircraft, fluorescent lamps and auto Ignition. Provides up to 40 do attenuation of all interfering signals outside the FM band. Less than 1 db insertion loss in $8 F$ to 108 ric band. Recommended to be mounted at FM radio set for maximum effectiveness but may be mounted anywhere in line for less serious applications. Shpg. wt, 8 oz .
18 H 3016
Net 4.17

## JFD LIGHTNING ARRESTERS

## NOISE FILTER

- Stop Radio \& TV Noises

Eliminate radio and TV noise caused by household appll. ances, oll burners, motors, neon signs, etc. Just plug filter in any wall outlet and IV or radio into filter and enjoy nolse.free entertainment; or plug noise producing appllance into filter and eliminate noise throughout house. Shpg. wi. $1 / 2 \mathrm{lb}$.
18 H 1901
Net .99
SUPEREX CLEAR PIX


- 27 MC Citizens Band Interference Filter

Clear Pix by-passes most sources of TV interference before they have a chance to enter your receiver. Picture and sound enter stripped of common types of man-made interference. Designed for maximum interference elimina. tion at 27 MC Requires just a screw-driver to install. Shpg, wt., 6 ol.
18 H 5108
Net 1.19

- Complete! Nothing Else To Buy


## LIGHTNING PROTECTION KIT

品


Do-it-yourself kit to minimize llghtning strikes to your antenna. Directs and dis. charges excess to ground. Kit contains: 50 ft. heavy-duty electrical conductor type aluminum ground wire, coppered-steel ground rod and clamp. U.L. Iisted lightning arrestor, 6 ground wire nall tasteners, ground wire warning lag and complete defailed instruction sheet. Shpg. wt., 4 lbs. 18 H 5619

Net 3.25

## DELUXE TV SERVICE LITE

$1^{69}$
Keep your hands free. Spring clamp with rubber covered ends attaches any. where in $T . V$. cabinet. $41 / 4^{\prime \prime}$ highly polished aluminum reflector uses standard 25 watt bulb. Complete with 6 ft . cord and plug, less bulb. Shpg., wt., $11 / 2$ lbs. 18 H' 1701


Model AT-1315 saw-tooth washers grip transmission line securely without stripping or cutting wire. Designed for fiat, 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. Shpg. wt., 1002.
18 H 3801
Net 60

## (B) "LItTLE GIANT" TWIN LEAD ARRESTER

Model AT105 safe, tested Underwriters Laboratorles Approved, No wire stripping or spreading of line necessary. Small size permits easy mounting anywhere- Inside or outside. Complete with ground lug and screws for wall or window sill mounting. Special high dielectric, flame-retarding plastic construction does not vary line imped. ance. Insures maximum signal transfer. Shpg. ance. Insures maximum signal transter. Shipg.
wt., 9 oz. W1 H 3802

Net .90

(C) 3-IN-1 UHF-VHF ARRESTER Model AT-110-Fits all heavy duty tubular leads. Exclusive strain-relief lips-mounts on mast, wall or window sill. Discharges antenna and lead-in static. Nickel-plated brass hardware never corrodes. Shpg. wt. $90 z$.
18 H 3804 Screw Type Net 1.35 AT-110S with stainless steel strap for pipe mounting.

## 18 H 3805

Net 1.50

## (D) 4 WIRE ROTATOR

 ARRESTER W/STRAPModel AT-104S. Chisel point contact eliminates stripplng, tightening wing nut completes installation. Low-loss polystyrene case. Also usable with standard TV-FM ribbon. Shipg. wt., 1 lb
18 H 3806 singly $\qquad$ Het 1.80
(E) 5 WIRE ROTOR ARRESTER

Model AT-106. Protects 5 -wire cables for automatic antenna rotors from lightning and static discharge. Easy to install in line, just slip lead into place. With hardware for walf or window mount. wt., 1 lb .
18 H 3890
Net 2.25
18 H 3891 for pipe mounting .......Net 2.40

# TV/FM Couplers, Splitters 

## COLOR TV/FM COUPLER

- Low Signal Loss
- For Two Set Operation

Ideal for operating two TV and/or FM receivers from a single antenna. Has low loss and high Isolation between sets. Easy to connect with one
Supplied with indoor/
 antenna downlead. Supplied with indoor/ outdoor universal mounting ported. S

Net 1.49

## TV/FM SPLITTER-COUPLER

 Splits TV and FM signals with minimum loss to elther signal from a single broadband antenna. Also combines separate TV and FM antennas into one line. Gives complete isolation between sets. For indoor or outdoor mounting. Imported. Shpg. wt.. $1 / 2$ lb 99 H 4022

Net 2.95

## UHF/VHF ANTENNA COUPLER

Only

- Weatherproof Plastic Case
- Mounts on Mast
- Combines UHF and VHF Antennas Into Single Line
This efficient UHF/VHF coupler combines the signal from the separate UHF and VHF antennas into a single transmission line. Feafures maximum signal transference with extremely low insertion loss. Mounts easily on mast. Sturdy, weatherproof plastic case with metal clamp. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 H 4016


## TACO TV/FM SET COUPLERS

As Low As


MOOEL 820-3. Divides television signal from one antenna equally to feed three separate recelvers. Eliminates the need for a separate antenna for the second of third television set. Simple Installation is effected using only a screwdriver. Long trouble free per. formance is assured by using special coil forms and wide spacing of all wiring connections. Good isolation befween set terminals. Shpg. wt., $80 z$.
18 H 3602
Net 2.19
MODEL 820-2. 2-Set Coupler. Features the same quality engineering, however. designed for use with one antenna and 2 sets. Shpr. wt. 802.
18 H 3603
Net 1.92

## BLONDER-TONGUE 2.SET UHF.VHF-FM COUPLER

- Excellent Isolation . . No Strip Terminals

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 VHF/UHF input. Low loss design makes it ideal for fringe area use. Excellent isolation between sets prevents interaction. Patented stainless steel screws are used for rapid secure installation with 300.0 hm fwin lead. Sturdy, non-breakable plastic case. Shpg. wt., $1 / 2 \mathrm{lb}$.
18 H 1832

Net 1.75

Net 2.20
4-SET COLOR TV/FM COUPLER

- For Ug 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 between sets. Law for. ward loss makes it ideal for use with color TV and FM stereo sets. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$. 99 H 4020

Net 2.29
TRI-SET ANTENNA COUPLER

- Up to 3 TV's or FM's on One Antenna


19
Highly efficient 3 sei coupter. 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. Shpe, wt., 1 lb .
99 H 4010
Net 1.99

## TWO SET COUPLER <br> $39^{\circ}$ <br> In lots of 3



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 H 4004
In lots of 3, Ea. 39

## FINCO VHF/UHF/FM COUPLERS/SPLITTERS



The Finco 3000 Series of TV and FM antenna accessories for coupting, splitting, or trapping TV and FM signals. Avg. shpg. wt., 802.
MOOEL 300 U VHF 2 SET COUPLER. LOW loss transformer type. Use where signal lass would degrade TV performance.
18 H 3022
Net 2.37
MODEL 3005 VHF TV.FM COUPLER-SPLITTER Features conjugate filters, low insertion loss. Operate a TV and FM set without the losses associated with usual 2 set couplers.
18 H 3017
Net 3.90
MODEL 3018 VHF-UHF-FM COUPLER.SPLITTER used to split VHF, UHF and FM signals from one antenna, and direct the separated signals to the proper input terminals.
18 H 3020
Net 5.37
MODEL 3019 VHF-UNF.FM COUPLER SPLITTER is a VHF-UHF splitter with conjugate filter networks, high isolation and low loss. An isolated FM output Is provided for use in areas with good FM signals. 18 H 3021

Net 3.30

- Split Signal Into Separate VHF, UHF, or FM Outputs
- Low Insertion Loss
- No-Strip Terminals VHF/UHF SPLITTER-COUPLER
(1) 2) Model SC20 combines separate VHF and UMF antennas so that only one $300-0 \mathrm{hm}$ downlead is needed. Also spilts all-channel signals into separate VHF and UHF outputs. For indoor-or-outdoor use.


## 18 H 3812

Net 2.85

## DELUXE VHF/UHF/FM COMBINER-SPLITTER

(1 2 2) Model SCBO combines 3 separate antennas into a single 300 -ohm downlead. Also solits all-channel FM signals into separate VHF, UHF and FM outputs. Color approved design. For outdoors or indoars

## 18 H 3821

Net 4.77
2.SET VHF/UMF/FM COUPLER-COMBINER
(1 \& 2) Model SC42 couples 2 sets to one VHF/UHF/FM antenna. Also combines any two antennas to a single 300 ohm 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 spiliter to separate VHF-UHF into separate leads.

## 18 H 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 quickly. easily without screws.
18 H 3908
Net 2.40

(5)

- True Color Fidelity-Sharp Black/White-True Fidelity FM


## 4. WAY VMF/UHF/FM SPLITTER

(3) Mode! SC72-75 splits one 75 ohm VHF/ UHF/FM line into 4.75 ohm lines. Excellent for use in home or master antenna TV system. Use $75-300 \mathrm{ohm}$ 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. 18 H 3911

Net 6.57

## FM BANDPASS FILTER ANO TV/FM

SPLITTER-COUPLER/COMBINER
(1 2 2) Model SSTY/FM splits FM signal 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 funer. Also can combine TV and FM antennas into a single system. Eliminates all TV. amateur and citirens' band signal pickup by antenna or transmis. sion line. 300 ohm impedance. Mastmounted hardware supplied.
18 H 3912
Net 3.57

## UHF-VHF-MATCHING

TRANSFORMER/SPLITTER
(5) Model MT-56 2-way 75 to 300 ohm matching transformer with separate VHF and UHF outputs, and coaxial cable fitting. 18 H 3913

## LAFAYETTE OUTDOOR/INDOOR 75-300 OHM MATCHING TRANSFORMERS

## - Improves Color Reception

- Includes Coaxial Fittings

As Low As

Coaxial cable matching transformer for installing TV and FM antennas. For use with noise free $\mathbf{7 2 - o h m}$ coar cable. Imported. (A) Outdoor-Matches 300 hm antenna 10 75 ohm coax. With mounting bracket and fittings.
99 H 4027 Shpg, wt., $1 / 2$ 1b.
(B) Indoor-Matches 75 ohm coar... Net 1.79 to 300 ohm TV set. With fittings. 99 H 4028 Shpg. wt., $1 / 2 \mathrm{lb}$. ......Net 1.49
Matching transformer kit : Consists of indoor/outdoor transformers above.
 99 H 9190 M Shps. wt. $1 \mathrm{lb} . . . . . .$. Net 2.95

## JFD COAXIAL CABLE MATCHING TRANSFORMER KIT

- Maximum Color TV Signal Transfer
- Includes Coaxial Cable Fittings

Model MT-51 Complete kit of matching trans. formers for installing TV \& FM antennas. For use with nolse free 72 ohm coax. cable. Versatile U.bolt mount for outdoor mastsmatches any 300 ohm antenna to 72 ohm cable. Indoor transformer at set matches the 72 ohm coax to the 300 ohm TV or FM set. Shpg. wi. $1 / 2 \mathrm{lb}$.
18 H 3889
Net 4.95

## TV Degaussers, Tuner Cleaners, Antenna Switches

## LAFAYETTE 7" COLOR TV PURIFIER



- Color TV Degaussing Coil - For Sharp and Clear Color Reception Sharpens color reception through demagnetization of the picture tube Simply turn on the set. plug in the purifler, and with switch depressed rotate unit in front of the TV screen. Use regularly to keep your color re. ception sharp and clear. Convenient clip for hanging on back of set when not in use. Imported. 99 H 4024 Shpg. wt., 1 tb. Net 2.49

- Portable Tube Kaddy Size
- For In-The-Home Servicing

Improve the quality of color TV with this portable 7" DEGAUSSER. Easily demagnetizes tube shield and accessories to eliminate stray colors and purify the picture. Momentary push button switch simplifies operation. You don't need to be a technician to use this little marvel. Shpg. wt., 1 Ib 18 H 8402

Net 5.95

## STANCOR HEAVY-OUTY COLOR TV DEGAUSSING COIL <br> 



Large $13^{\prime \prime}$ diameter. A must for the serviceman. Heavy duty coll effectively demagnetizes and removes stray magnetic flux from color TV chassis and kinescope to achieve purity of color. Simply plug 10 foot cord into 110 V A.C. line and move the coil to the front of the receiver. Used once-a-month. It will give your set its original quality of color. Perfect for the serviceman or owner. 18 H 5701 Shpg. wt.. 5 los.
NEW! LAFAYETTE COLOR TV TUNER CLEANER - LUBRICANT FOR COLOR ANO BLACK ANO WHITE

$)^{\infty} \rightarrow 0$ With Injector Needle
Lubricates-Cleans - Will Not Harm Plastics

Non-flamable, non-toxic, easy to use. Can be applied without removing chassis from the cabinet will not harm plastics or electrical insulation. or defune the tuner. Excellent for both color and black and white sets. 6 oz. spray can. 18 H 0198 Shpg. wt., $80 z$.

Net 99


## TUNER CLEANER-LUBRICANT

- 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" agent. Will not cause drift or detune tuners.
3 oz. spray can. With plastic injector needle. 18 H 3404 Shpg. wt. $1 / 2 \mathrm{lb}$.

Net 89 18 H 3404 Shpg. Wt.
6 oz . spray can. With stee 6 oz spray can. With st
10 H 3405 Shpg. wt., 1 ib.

## 50 PIECE TV KNOB KIT



Selection contains 50 assorted TV knobs including such types as channel selec. tor, fine tuning, volume, etc. Useful and attractive. Many with gold lettering or gold inserts. Shpg. wt.. 3 lbs.
32 H 9902 ............. Net 1.95

LAFAYETTE ANTENNA SELECTOR SWITCH


## SIGNAL ATTENUATOR



May be used with all $T V$ sets iroubled with excessive signal. Eliminates poor sync., multiple images, buzz, beats in picture, etc., when caused by signal over loading. Produces 1000 to 1 change in signal reaching-set. Reduces most crossmodulation effects. Adjustable for all signal areas. Simple to mount-simple to install. Shpg. wt., $80 z$. 18 H 8001

## JFD ATTENUATOR SWITCH

 MOCEL AS.5. Reduces overloading signals Selection of any one of 3 attenuation levels $-0.15-25 \mathrm{db}$. Improves picture clarity. Includes hardware for back of set mounting. Shpg. wt., 1/2 lb.
18 H 3865
Net 2.97

## BAKELITE KNIFE SWITCH



Excellent for TV antenna switching. Heavy metal parts mounted on bakellte base Double pole, double throw. Shpg. wt., 4 oz. 99 H 6153

Net Ea. 19
MILLER ADJUSTABLE ION TRAP


Adjustable befween 32 and 55 gauss. Takes the place of most single-magnet ion traps in use. Thumb-screw adjustment permits selec. tion of any strength within its range. Reduces serviceman's inventory. Permits easy replacement where original value is unknown or incorrect. Shpg. wt., 8 oz.
34 H 8750
Net 1.05


STANDARD KOLLSMAN "ARBOR" PRESET TUNERS $15^{25}$

- Replacements for over 1500 Different Tuners
Latest advances in tuner design result in maximum performance, with outstanding frequency stability and precises funing. All we 13 position detents. If Video: 45.75 mc . If Sound: 41.25 mc . B+: 125 - 145 VDC. Antenna input: 3002 balanced to ground. with mounting brackets. Shpg wt.,

| Stock No, | Model No. | Heater | Net |
| :--- | :--- | :--- | ---: |
| 18 H 2010 | AR-250 | 6.3 V | 15.25 |
| 18 H 2011 | AR-252 | 600 ma | 15.25 |
| 18 H 2012 | AR4S-251 | 450 ma | 15.25 |



Low loss, RG-59U 72 ohm white cable. Completely assembled. 2 spade lugs on one side, choice of plug on other side fig. (R) RCA, (M) Motorola, (J) Jerrold.

| Stock No. | Fig. | Feet | Shpg. wit. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 18 H 5901 | $R$ | 6 | 402. | 1.50 |
| 18 H 5902 | $R$ | 12 | 802. | 2.39 |
| 18 H 5903 | $R$ | 25 | 1 lb. | 3.95 |
| 18 H 5904 | M | 6 | 402. | 1.50 |
| 18 H 5905 | M | 12 | 802. | 2.39 |
| 18 H 5906 | M | 25 | 1 lb . | 3.95 |
| 18 H 5907 | J | 6 | 402. | 1.99 |
| 18 H 590 B | $)$ | 12 | 802. | 2.89 |
| 18 H 5909 | 1 | 25 | 1 lb . | 4.50 |

## UNIVERSAL TWIN. LEAD CONNECTORS <br> 

The plug with one thousand uses. Fits all transmission line sockets as well as $1 / 2^{\prime \prime}$ crystal holder and octal tube sockets. Sold. erless. Shpg. wt., 20 al. 99 H 4007

Net ea. . 19
Net, ea. in lots of 5.17 Solderless socket for above.
Shpg. Wt., 2 oz.
$99 \mathrm{H} 4008^{\circ} \quad$ Net ea. 19
Net, ea. In lots of 5, . 17


WINDOW FEED-THRU

- No Drilling
<-- -


At last a feed-thru that passes your TV signal without drilling, breaking or digging and without signal loss. Just use adhesive supplied to attach units one to each side of window pane and attach your wires. Quick, easy and effective. Shipg. wt., 6 oz.
18 H 8401 per set $\qquad$ Net .99

## TRIO NO STRIP CONNECTOR <br> SAFEST-MOST POSITIVE

 LEAD IN COMNECTORNo stripping-no exposed wire-no solderingno broken leads at the set. Your TV set unplugs with ease-in electrical storms-for moving and cleaning-to add ccessories. Safe, positive installation. Stronger than the lead in wire. Fast-easy-just insert the lead in-tighten a single knob. Shpg, wt., 2 oz.
18 H 6201
Net .65

## BAKELITE WALL BOX

Necessary for terminating TV lines in old or new work. Knockouts top
 and bottom. Sturdy construction with plastic ears. Black standard size: U.L. Listed. Shpg. Wt., 6 02s. Net .17


Permits attaching any wall plate to wall openings without the use of a wall box in up to $3 / 4^{\prime \prime}$ wall board or plaster. Shpg. wt., 4 ozs. 18 H 7002 Net .41

## AC-TV RECEPTACLE AND WALL PLATE



Duplex AC receptacle and duplex TV recep tacte on one 2 gang wall plate. Puts both outlets in one location. Use with standard wall box. Ivory orily. Shpe. wt., 6 ors.
18 H 7006 $\qquad$ Net 1.42
Molded 2 contact plug for 300 ohm lead.
18 H 7013 Net . 18 4 wire rotor combination plates. Similiar to above except includes 4 conductor rotor outlet in place of one 2 -wlre outlet.
18 H 7003 Shpg. wt., 6 oz. $\qquad$ Net 1.61 Molded 4 contact plug for rotator lead
18 H 7005 _._._._._net 35 5 wire roter combination plate. Similar to above except includes 5 conductor rotor outlet in place of one 2 -wire outlet.
18 H 7016 Shpg. wt., $602 . \quad$ Net 1.77
18 H 70175 con, plug for rotor lead. Net . 47

## UNIVERSAL TV-FM PLUG \& SOCKET

## 35



Compact low loss - $\mathbf{3 0 0}$ ohm plug and socket. Surface mounting socket - low loss polystyrene plug. Solderless screw terminals. Imported. Shpg. wt., 202.
99 H 4006 Plug \& Socket


## MULTI-TV SOCKET

Compact 300 ohm. low-loss socket for all applications. Constant impedance termina tion. Mounts on any surface. High impact polystyrene. Solderiess. Ivory only.
18 H 7007 Shpg. wt., 202.


Net ea. . 4 18 H 7013

Net 18

## SURFACE OUTLET AND PLUG



- Complete With Solderless Plug

Surface mounting outlet and plug for TV-FM and loudspeakers. A neat baseboard mounted outlet with plug. Fits $300-0 \mathrm{hm}$ twin lead or speaker wire. Nickel plated brass hardware with set screw connectors. Unbreakable ivory plastic. Individually packed with mounting screws. Shpg. wt., 602. 18 H 5725 Net .69

## ANTENNA CONNECTOR

for quick solderless connection of lead in to TV antenna termi. nal. Fits 994008 sacket. Lowloss polystyrene and nonferrous metal. Standard 1/2" spacing. Shpe. wt., 2 oz. 18 C 4201 $\qquad$ .23
 Solderless socket for above. 99 H 4008 $\qquad$ Net 18

## TWIN LEAD SPLICE

Speeds splicing without need for twisting or soldering. Shpg, wt., 202. 18 H 7009 Net 12

LAFAYETTE TV/FM WALL PLATES

(1)
(2)

(3)

- Fits Standard Outlet Box
- Complete with Plugs and Mounting Bracket


## SINGLE TV/FM WALL PLATE

(1) Single TV/FM wall plate which can be used to neatly custom install an antenna systom. Plug is polarized and designed to accept a 300 ohm twin lead line. Ivory finish. 99 H 4013 Shpg. wt., $1 / 4$ tb. $\qquad$
DUPLEX TV/FM WALL PLATE
(2) A dual TV/FM wall plato designed to supply two signal sources. Can be used for two dif. ferent TV antennas each oriented in a different direction or a TV and FM antenna. Plugs are slotted for 300.0 hm twin lead. Ivory finish. 99 H 4014 Shpg. wt., 1/4 tb. $\qquad$ Net 79

## TV.FM ROTOR WALL PLATE

(3) Combines two polarized dual conductor plugs with a four conductor polarized rotor receptacle. Fiexible design allows easy installation. Screw type sturdy terminals are solderless. All plugs are slotted to accept standard rotor and twin line cables. Ivory finish.
99 H 4015 Shpg. wt., $1 / 2 \mathrm{lb}$. $\qquad$ Net .89

## MOSLEY WALL-PLATE FOR SHIELDED TWIN LEAD

- Complete With Plug Wall Bracket, Hardware
- Excellent For All 300 Ohm Shielded Cable
For TV installations where 300 ohm shielded cable is used. Low loss socket with solderless plug for easy
 instaliation, may be mount. ed with wall mounting bracket or in standard outiet bor. 3-pin plug for shlelded twin lead. Wt., 5 oz . 18 H 4202 $\qquad$
- For 75 Ohm Antenna Installation

Ivory coaxlal outlets, flush mounting especially designed for superior color and black/ white reception, provides a constant impedance match with 72 ohm RG 59U coaxial cable. Complete with all plugs, mounting brackets. Fit all standard wall outlet boxes. Shpg, wt., $1 / 2 \mathrm{tb}$.

| Stock No. | Description | Net |
| :--- | :--- | :--- |
| 18 H 4203 | 1-TV Coax outlet | $1.5 \overline{7}$ |
| 18 H 4204 | 1-TV Coax, $1-4$-wire rotor | 2.83 |
| 18 H 4205 | 1-TV Coax, 1-5-wire rotor | 2.99 |

## MOSLEY SHIELDED

 TWIN-LEAD SPLICER

## - Permits Splicing of Shielded 300 ohm Twin-Lead

No need for twisting or soldering. Shipg. wt., 401.

18 H 4206

# Picture Tube Brighteners - Service Aids TELEVISION PICTURE TUBE BRIGHTENERS 

TV TUBE RESTORER

## - 120 Different Combinations

- Corrects Open Cathode - Heaters to Cathode Short - Open Control Grid Control Grid to Cathode Short Low Emission

One simple unit provides the cure for most alling picture tubes. Latest model features slide switches-not pin plugs as older units do. Rugged, well made socket-compact, singte unit design. Works on electrostatic or electromagnetic focusing tubes. In series or parallel circuits. Includes instructlons, For Duodecal Base. Shpg. wt., I lb, 4 ozs. 18 H 4604 FIG. (A)

Net 4.19

## UNIVERSAL $110^{\circ}$ CRT REJUVENATOR

A single heavy-duty unit which performs four ways. A simple adjustment adapts it for either series or parallel wired filaments and It can be used on electromagnetic or eiectrostatic focus tubes. Shpg. wt., 1 tb. For Sylvania Type $110^{\circ}$ Tube's. 18 H 4601 FIG. (C)

Net 1.95
For RCA Type $110^{\circ}$ Tubes.
18 H 4602 FIG. (B)
Net 1.95

## AUTOMATIC TV VOLTAGE REGULATOR



- Compensates for Low Line Voltage Distortion
- Eliminates Intermittent Sync and 0 scillator Drift
Returns full height and width of TV picture affected by low line voltage. This 300 watt model will handle most requirements from 90 to 135 volts. Boosts 10 volts automatic. cally when line is below 110 volts. Increases set sensitivity. Reduces low line hazards. Simple plug.in installation. Turns on and off with the TV set. Shpg. wt., $21 / 2$ lbs.
PERMA.POWER MOOEL D- 200
32 H 4002
Net ea. 8.25
 duty variable trans. former. Adjusted by rotary tap sw. Used as step up or step down, Voltmeter shows sec, voltage. Pri. $95 / 100 / 105 / 110 / 115 / 120 / 125$ volts at $50 /$ 60 cps . Sec. out 115 V. $8^{\circ}$ cord and plug. Slze: $43 / 4 \times 4 \times 5^{\circ}$. Shpg. wt., 9 lbs.

33 H 4001

## HORIZONTAL BAR GENERATOR

## Provides Horizontal Lines

 On Any T.V. Set-Quick-Accurate AlignmentGenerates a series of equally spaced horizontal lines to indicate picture linearity. Simpll. fies precise setting of yoke. Makes possible accurate positioning of focus coil or magnet. Quick adjustment of vertical linearity, height and centering. No bulky, expensive equip. ment needed. Plugs onto picture tube. Completely self-contained.
18 H 2701 Shpg. wt., 802. $\qquad$ Net 1.49


## TV TUBE BRITENER

You simply attach two plugs as directed on the instructions, For magnetic tubes and PARALLEL CIRCUITS only. Renews brightness contrast. For Ouodecal Base. Wt., 802. 18 H 4603 FIG. (A)

Net .69

## COLOR-CODED TV FUSES



- Plug-in

Type
$45^{\circ}$

Exact replacement fuses used in many TV sets, such as, RCA. Zenith. Emerson, Olymplc. etc. When ordering order same color as that removed from TV set. Shpg. wt., 4 oz. stock No. Color Stock No. Color 18 H 3101 Red 18 H 3105 Green 18 H 3102 Blue 18 H 3106 Grey 18H3103 Pink 18 H 3107 Yellow 18 H 3104 Black 18 H 3108 Maroon Net ea. . 45

## UNIVERSAL TV TUBE "BRITENER"

Restores brightness to dim TV plcture tubes. Operates on all types-magnefic or electro-static-and in all circuits-parallel or ser. les. For Duodecal Base, Shpg. wt., 10 oz . Each.
18 H 4600 FIG. (A)
Ea. 1.29

## COLOR PICTURE TUBE BRIGHTENER

- Boost Fading Color Picture Tubes
- No Wiring Necessary-Plugs Right in
Bring out the lost sharpness and detail of fading color picture tubes. Electron emission is increased by boosting the filament volt. aze. thereby returning full contrast and color quality to the set. Plugs in between plicture tube and socket. No wlring or switch. ing is necessary. For round tubes (12 pin base).
18 H 7804 Shpg. wt., 1 lb .
Net 5.73
For rectangular tubes (12 pin base).
18 H 7807 Shpg. Wt. $11 \mathrm{Ib} . . . . . . . . .$. Net 5.73


## WUERTH SURGISTOR

- Lengthens Tube

Life-Including Picture Tube!

- Protects TV

Hi-Fi, P.A., and
Projection Bulbs

- Any electronic Equipment using 100-500 watts!
Protects all tubes and components from destructive initial surge currents by "Thermal Cushion Action". Completely automatic. Easily connected directly into the power line circuit. Its function is to limit the inrush current until the tube heaters are sufficiently warmed to accept the full voltage safely. Self mounting. Shipping wt. 6 oz .

| Stoch No. | Mtr's No. | Wattage Range Esch |  |
| :---: | :---: | :---: | :---: |
| $18 H 1502$ | $4100-2$ | $100-275$ | 1.29 |
| $18 H 1503$ | $8050-4$ | $250-400$ | 1.95 |
| 18 H 1504 | $8035-5$ | $300-500$ | 2.18 |
|  |  | FUSIBLE |  |
|  |  | RESISTORS |  |

Replacoments for Motorola, Crosley, Emerson, Raytheon. Philco, Hoffman, Hallicrafters, Trutone, Sears, Montgomery Ward, Sentinel, Arvin and many others, Shpg. wt., 502.
18 H 7702-Kit of 4. 5.6 Ohms 18 H 7703-Kit of 4. 7.50 hms 18 H 7901-Kit of 4. 9.0 Ohms 18 H 7902-Kit of 4. 22 Ohms

## ANTENNA MATCHING "BALUN" COILS



Automatically match antenna to input circult impedance. Impedance ratio 4:1 - replace. ment for RCA, Philco, Motorola, etc. Used to construct the finest set couplers and matching transformers. Set of 2 complete with instructions. Shog. wt., 602. 18 H 7701 $\qquad$ Net per pair . 89


The "Tube Guard" will pay for itself many times over by greatly reducing costly vacuum qube replacements. The Tube Guard checks surge of current. reduces filament damages and increases tube life. Just plug "Tube Guard" into outlet, and appliance into it. 300 watts. UL listed. Shpg. wt., 802.
18 H 3109
600 WATT TUBE GUARD
Recommended for protection of color TV receivers.
8 H 3110
Net 1.57
TV and FM ANTENNAS (SKILFACT)
 - Including Color TV

TV and FM ANTENNAS by Louis M. Dezettel. The information you need to properly select and install the antenna system to sult your needs. Antennas for color TV. fringe-area reception. lead-ins and towers. and multipie-set distribution. Shpg. wt., 6 oz.
10 H 2349
Depend on Lafayette for Complete

TEST SOCKET ADAPTERS nuvistor adapter (J) De. signed to test 7-pin Nuvis. tor tubes using existing test equipment. Plugs into standard octal socket. With Instructions. 802. 33 H 8721 Net 2.40 nOVAR ADAPTER ( $K$ ) Permits testing 9-pin Novar tubes on existing tube testers. Plugs into standard octal socket. with instructions. 602.
33 H 8722
 Net 1

## INTERLOCK LINE CORD



Replacement cord for RCA, Philco, GE, Ad miral, and others. It has regular molded plug on one end and special rubber plug or. the other to fit TV sets. Under-writer's Laboratories approved. A very handy thing to have in your service kit or on the workbench. shpg. wt., $1 / 216$.
18 H 41016 ft . brown cord $\qquad$ Net 30 Same as above but with polarized terminals at both ends.
18 H 7401 Shpg. wt., $1 / 2$ It $\qquad$ Net .35 Non-Polarized "cheater" with right angle interlock plug.
18 H 7402 Shpg. wt., $1 / 2$ lb._.......Net 35 Safety "cheater" with pull-proof retaining clip.
18 H 7403 Shpg. wt., $1 / 2 \mathrm{lb}$.

## "CHEATER" EXTENSION <br> 

A 6 ft . Extension for RCA, Philco, G.E., Admiral and other interlock type sets. Handy for service kit and work bench.

Net 39

## INTERLOCK TV LINE SOCKET

Conventional male interlock socket. Standard type used on all television receivers. Heavily plated contact pins. $11 / 4^{\prime \prime}$ mounting centers. Shpg. wt., $60 z$.
18 H 2718
Net 14

(A) COLDR GUN KILLER operates Red, Green or Blue Guns individually or in combinations to Make Purity Adjustments. Enables each gun of the three-gun kinescode to be operated singly or in combination. Avoids cutting or disconnecting leads to make color purity adjustments. Shpg. wt., 8 oz.
FOR ROUND TUBES
18 H 7801
Net 3.18
FOR RECT
Net 3.18
(B) COLOR KINE ADAPTER Enables each gun of a three-gun color picture tube to be individually tested on tube testers designed for black and white picture fubes. Shpg. wt., 802.
FOR ROUND TUBES
18 H 7802
Net 2.63
FOR RECTANGULAR TUBES

## 18 H 7806

Net 2.63
(C) UNIVERSAL TV \& CRT EXTENSION CORD Permits testing of picture tube outside of chassis. Fits any duodecal based tube. 5 color coded leads. $36^{\prime \prime}$ long Male and Female bakelite sections with full socket and 6 leads for electrostatic as well as magnetic tubes. 18 H 2703 Shpg. wt., 1 lb. $\qquad$ Net 1.65
(D) UNIVERSAL YOKE EXTENSION HARNESS Used in conjunction with the tube harness and the anode harness to facllitate servicing. Provides extension from yoke and coil Assembly to chassis. For any make or model using octal plug and sockets as extension. 18 H 2704 Shpg. wt., 8 oz. ............Net 2.10 ANODE EXTENSION FOR connecting picture tube while outside of set when testing $30^{\prime \prime}$
long for glass tubes. Shpg. wt., 302.
18 H 2705 (E) TUBE TESTER CRT ADAPTER Convert any tube tester into a CRT tester. No need to remove tube from cabinet. Tests any picture tube for shorts, emission. 48" lead. Shpg. wt., 1202.
18 H 2707
Net 3.60
(f) UNIVERSAL TV TESTING KIT Makes pos. sible testing sets with picture tube electrically connected in circuit, but removed from chassis. Reduced danger of contact with high voltage terminals and tube break. age. Consists of anode extension harness, yoke extension harness, tube socket extension harness and sturdy plastic carrying case. CRT extension is for both electrostatic and electromannetic tubes.
18 H 2708 Shpg, wt., 2 lbs.
Net 4.80 (G) $110^{\circ}$ CRT EXTENSION LEADS $110^{\circ}$ CRT extension leads for general service work. 3 ft . lead with $110^{\circ}$ socket and $110^{\circ}$ base. Shpg, wt., 1 lb.
SYLVANIA TYPE Extension Lear
18 H 2709
Net 1.56
RCA TYPE Extension Lead
18 H 2710
Net 1.80 $110^{\circ}$ CRT SOCKET ADAPTER Permits the testing of the $110^{\circ}$ CRT on all existing tube checkers, overall length 3 ft . Shpg. wt., 1 ib . 18 H 2711 -Sylvania Type

Net 1.56 18 H 2712 RCA Type

Net 1.56 (H) IV SECOND ANODE CONNECTOR FOT TV picture tubes. Silver plated snap button. $11 / 2^{\prime \prime}$ diameter rubber protected cap. Supplied with 12 wire leads. Shpg. wt., 3 oz . 18 H 2706

Lots of 6 ea. . 69

## TELESCOPING TV MASTS

Heavy-duty telescoping masts, Ideal for any TV antenna array. Hotdip zinc gal. vanizing inside and outside provides unusual ruggedness and impentrable corrosion resistance. Designed for easy installation and assembly. Husky bolts lock sections automatically. No slipping, no twisting. 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 ft : : 0.D.: \# $1\left(11 / 4^{*}\right)$. \#2 $\left(11 / 2^{\prime \prime}\right)$. \# $3\left(13 / 4{ }^{*}\right)$. \# $4\left(2^{\prime \prime}\right)$. \# 5 ( $21 / 4{ }^{2}$ ). Shipping express only.
50-FT. MAST-Consists of all 5 sections Ilsted above: Nos. 1, 2, 3, 4 and 5. Height 50 feet. Shpg. wt., 39 lbs.
18 H 5609WX $\qquad$ Net 16.50
40-FT. MAST-Consists of 4 sectlons: Nos. 1, 2, 3 and 4. Height 40 feet. Shpg. wt., 28 Ibs. 18 H 5610WX

Net 12.50
30-FT. MAST-Consists of 3 sections: Nos. 1, 2 and 3. Meight 30 feet. Shpg. wt., 21 Ibs. 18 H 5611 wX

## SPAULDING "STRATO TOWERS"

 "EP SERIES" INSTALL ON GROUNO OR ROOF High quality beaded channel construction. Alf riveted no welds to rust. Rugged, zinc plated steel. More strengthless wind resistance at tower top. Top sections accept any rotator. All sections factory assembled. Each tower conslsts of one or more $8^{\prime}$ sections plus an $8^{\prime}$ mast, base plate and mast kit assembly. Free standing instaliations require guylng every $16^{\prime}$ Roof mount, "house" bracket and guy stations are extra.

| Stock No. | Type | * Hg t. | Sect. | Weight | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 H7301XY | EP-1 | $14^{\prime}$ | 1 | 28 lbs. | 17.80 |
| 18 H 7302XY | EP. 2 | 22' | 2 | 51 lbs. | 26.17 |
| 18 H 73 n XY | EP. 3 | $30^{\prime}$ | 3 | 71 lbs. | 32.95 |
| 18 H 7304 XY | EP. 4 | $38^{\prime}$ | 4 | 90 tbs. | 41.19 |
| 18 H 7305 XY | EP-5 | $46^{\prime}$ | 5 | 109 tbs. | 49.44 |
| 18 H 7306XY | EPH-1 | House | cket | 5 lbs. | 4.11 |
| 18 H 7307XY | EPR:1 | Roof | t Base | 2 lbs. | 3.23 |
| 18 H 7308XY | EP-GS | Guy 5 |  | $31 / 2$ lbs. | 2.92 |

## "XCB SERIES"-CYLINDER BASE <br> NO CONCRETE REQUIRED

Extrame high strength, self-supporting towers. Self-allgning hinge base for quich easy installation. Can be assembled on the ground and hinged up of built vertically, section upon section. All riveted $100 \%$ gaivanized steel construction prevents rust. With 4 ft . base, hinged feet, $8^{\prime}$ mast, mast kit 8 ' tower sections.

| Stock No. | Type | $\mathrm{Hg} \mathrm{L}_{2}$ | Sect. | Weight | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18H7309XY | $\times 28 \mathrm{CB}$ | $23^{\circ}$ | 2 | 89 lb | 41.31 |
| 18 H 7310XY | $\times 36 \mathrm{CB}$ | $31^{\circ}$ | 3 | 120 lbs . | 62.91 |
| 18 H 7311XY | $\times 44 \mathrm{CB}$ | $39^{\prime}$ | 4 | 155 lbs. | 71.44 |
| 18 H 7312XY | $\times 52 \mathrm{CB}$ | $47^{\circ}$ | 5 | 184 lbs. | 87.70 |
| 18 H 7313 XY | $\times 6008$ | $55^{\circ}$ | 6 | 272 lbs. | 103.66 |
| *Height Includes antenna mast. Shipped F.O.B. Frankfort. Ind. No C.O.D. Send full remittance or use LAFAYETTE'S Easy Pay Plan. Shipping charges collected on delivery. |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

20.FT. MAST-Consists of 2 sections: Nos. 1 and 2. Height 20 feet. Shpg. wt., 14 lbs.
18 H 5612 wx
aLL ANGLE MOUNT

Swivel base mounts on any surface-flat slant, peak or wall. Heavy gauge weatherproofed steel. Takes any mast up to $21 / a^{\prime}$ O.D. Complete with hardware.

18 H 5618
 chimney mounts made of cast aluminum alloy. Extra strong and durable. Will withstand the most severe weather conditions. Two 12 ft . stainless steel $3 / 4$ " straps and stainless steel seals. Six aluminum corrrer brackets to protect chimney bricks. The most idea! and permanent installation for those who want quality and dur. ability. Will hold masts up to $2^{\prime \prime} 0.0$. Shpg. wt., 5 lbs.
18 H 5601
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CORS SETS

## INTERCHANGEABLE CORD SETS (WITH PLUG)

Instantly adapts iron to any 2 or 3 wire outlets. Wire is $6^{\prime}$ long, $18 \mathrm{ga}, 65$ strands copper. Shpg. wt., 4 oz.
*With Standard 2-Wire Plug; $\uparrow$ Parallel Ground Plug.

| Stock No. | Mfg. Type Wire | Color | 1.9 | 10.99 | $\begin{aligned} & 100 . \\ & \text { up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H 2109 | 6102 2* | Tur. | 1.97 | 1.66 | 1.50 |
| 13 H 2110 | 6103 3† | quaise | 2.94 | 2.47 | 2.24 |
| 13 H 2111 | 6102 2* | Belge | 1.97 | 1.66 | 1.50 |
| 13 H 2112 | 6103 3t | Belge | 2.94 | 2.47 | 2.24 |
| 13 H 2113 | 6102 2* | Ivory | 1.97 | 1.66 | 1.50 |
| 13 H 2114 | 6103 3+ | Ivory | 2.94 | 2.47 | 2.2 |



Protects operator against "hot tlp" 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 H 2115 \# 6800 For Imperial Line
Net each, 1.9
1.85

Net each, $10-49$
1.49

Net each, 50-up $\quad 1.3$
13 H 2116 \#8000 For Standard Line
Net each, 1.9
1.85

Net each, 10-49
1.49

## INTERCHANGEABLE THREAD ON MINI-TIPS AND MICRO-TIPS

Interchangeable with Imperiai line handles only. For 25,30 or 40 watt models. Tips have a max. pt diameter of .05 ". TTellurium Copper; §Iron Clad 25 K gold plated; "can be bent to make offset.

| Stock No. Ungar |  | Shape | $\begin{aligned} & \text { Size In. } \\ & 0.0 . x L . \end{aligned}$ |  | Net Each |  |  | UngarStock Mo. No. |  | Shape | size In.O.D.XL. |  | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $13 \mathrm{H2117}$ | 6304 | §Micro-chisel* | 3/ | $\times 1 / 2$ | . 96 | . 80 | . 70 | 13 H 2126 | 6331 | §Screwdriver |  | $\times 3 / 4$ | 96 | . 80 | . 70 |
| 13 H 2118 | 6305 | 5 Micro-spade* | 3/6 | $\times 1 / 2$ | . 96 | . 80 | . 70 | 13 H 2127 | 6333 | §Needle | $1 / 8$ | $\times 3 / 4$ | . 96 | . 80 | . 70 |
| 13 H 2119 | 6312 | +Pencil | 1/8 | $\times 3 / 4$ | . 43 | . 36 | . 32 | 13 H 2128 | 6336 | §Spade | 1/8 | > $3 / 4$ | . 96 | . 86 | . 70 |
| 13 H 2120 | 6313 | §Pencli | $1 / 8$ | x $3 / 4$ | . 96 | . 80 | . 70 | 13 H 2129 | 6366 | §Long taper chisel | $3 / 16$ | $\times 3 / 4$ | 1.11 | . 93 | . 83 |
| 13 H 2121 | 6316 | §Offset pencil | 1/8 | $\times 3 / 4$ | . 96 | . 80 | . 70 | 13 H 2130 | 6312 | §Screwdriver | 3/16 | $\times 3 / 4$ | 1.11 | . 93 | . 83 |
| 13 H 2122 | 6318 | tlong taper chisel | 1/8 | 13/4 | . 43 | . 36 | . 32 | 13 H2131 | 6390 | \$Screwdriver | 3/16 | $\times 12 / 2$ | 1.14 | . 97 | . 87 |
| 13 H 2123 | 6319 | §Long taper chisel | 1/8 | X $3 / 4$ | . 96 | . 80 | . 70 | 13 H 2132 | 6424 | \$Long taper chisel | 1/4 | $\times 3 / 4$ | 1.14 | . 97 | . 87 |
| 13 H 2124 | 6324 | +Long taper pyramid | 1/8 | > $3 / 4$ | . 43 | . 30 | . 27 | 13 H 2133 | 6474 | §Long taper chisel | 3/8 | $\times 3 / 4$ | 1.42 | 1.15 | 1.00 |
| 13 H 2125 | 6325 | §long taper pyramid | 1/8 | $\times 3 / 4$ | . 96 | . 80 | . 70 |  |  |  |  |  |  |  |  |

## ORYX-TELVAC MINIATURE SOLDERING IRONS As Low As $5^{95}$ <br> - World's Lightest-Only $1 / 4$

 ounce!- Only 6 " Long!
- Incomparable for Transistor Work!
Heats in 30 seconds-long life-low valtage element. Prevents damage to small assemblles-pin point heat concentration. sturdyno ceramic or mica formers. Operates from any 6 volt sourceincluding dry cells, wet cells, filament or step down transformers. Shpg. wt., 402.

| Stock No. | Type | Watts | Tip | 1.11 | $12 \text { or }$ More |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 H7801 | 6 | 6 | Fixed | 5.95 | 5.39 |
| 13 H 7802 | 6A | 6 | B | 5.95 | 5.39 |
| 13 H 7803 | 9.6 | 8.3 | A, 8 | 5.95 | 5.39 |
| 13 H 7804 | 11.6* | 10 | D, E | 7.45 | 6.65 |
| 13 H 7805 | 12-6 | 12 | C | 5.95 | 5.39 |
| 13 H 7806 | 18-6 | 18 | F | 7.95 | 7.20 |
| 13 H 7807 | $25 \cdot 124$ | 25 | G, H | 8.45 | 7.65 |

[^16]

Speedy, automatic, and adjustable-a single. hand operated punch gives light or heavy Impressions with just the turn of a screw. Spring pressure adjusts from 5.30 lbs . Im. ported from England. Shpg. wi.. 802. 14 H 3320

Npt 2.59

## KUT-UP KIT



Perfect for all cufting jobs. Designed to make a complete hit for everyday use for both skilled professional and handy home owner. Kit contains a functional design utility knife handie, 18 -tooth, and 124 . tooth saw blades, and 2 standard utlifty knife blades. Shipg. wt., 1/2 lb. 14 H 6451

Net .99


Junior In size only. Glves man size performance. Overall length approx. 9 ". Ideal for cutting metais in those close "tight" spaces. Shpg. wt., 1002.
14 M 6450
Net 1.09


11 steel blades, spoon, furk, 31/2" saw, 31/2" knife, pruning knife, sclssors, can opener, bottle opener, corkscrew, screwdriver, file, scraper. Leather sheath. Imported. Shipg. wt.. 1 ib.
13 H 5506
Net 1.49

$100 \%$ genuine twisted Nylon rope. Excellent for all marine, workshop, farm and camping purposes. Tensile strength 1,800 pounds. Size: 1/4", 50 feet. Shpg. Wt., 2 lbs. 12 M 5900 . 18 M


## ALL PURPOSE VACUUM CLEANER $26^{95}$ an mo $29^{95}$

- Excellent for the Home, Garage, Yard, School or Workshop
- 6 Ft. 21/2" Diameter Hose

Can be used for rough cleaning nearly anywhere! Excellent for picking up pebbles, wood chlps, sawdust and other debris. Also attaches to woodworking machines for chip 8 sawdust removal. Reversible air flow-use it as blower too! Perfect for winter oil burner cleaning. Complete with $6 t \mathrm{ft} .21 / 2^{\prime \prime}$ diameter hose $\&$ nozzle. UL Listed, Shpg. wt., 17 lbs.
5 Gallon Capacity develops $3 / 4$ HP
13 H 3552W
Net 26.95
10 Gallon Capacity develops 1 HP. $60 \%$ more power than 5 gallon unit. Shpg. wt., 25 lbs.
13 H 3554WX
Caster Sets
Net 29.95
13 H 3553 for 5 gal . unit. Shpg. wt., 1 ib .
Net 3.95
13 H 3555 for 10 gal. unit. Shpg, wt., 1 lb. Net 3.95 13 H 3551 45" Extension Handle. Shpg. wt., $31 / 2$ lbs. ......Net 3.95 ACCESSORY KIT: Includes $114 "^{\prime \prime}$ floor nozzle with brush, 30 " extension handle, and adapter which permits use with ordinary vacuum hose and accessories. Shpg. wt., $\$ 1 / 2 \mathrm{lbs}$.
13 H 3550W $\qquad$ Net 8.95
Paper Filter Bass (6) for extra dirty jobs . . . slips over permanent cloth bag. Shpg, wt., 1/2 lb.
13 H 3556 Pk. of 6 6 bas 13 H 3557

Net 69
Net 1.39

## SHOP-VACUUM CLEANER

ACCESSORY KIT
Keeps your home work-shop, basement or garage clean with ease. Positive suction action picks-up dust, dirt particles, sawdust and wood shavings. Specially designed pick-up head reaches Into corners. 12 galion vacuum has fibre board tank $18^{\prime \prime}$ high, $1614^{" \prime}$ dia. Complete with 3 roll-about casters. $60^{\prime \prime}$ flexible hose, $12^{\prime \prime}$ chromed steel extension wand plus $9 . \mathrm{ft}$. power cord. 2.7 amp motor operates off on $110-120 \mathrm{~V}$., $50 / 60$ cycles AC. operates off on 110 13 H 365 iwx

## K.

 includes extension wand crevice tool, dusting brush and upholsterycarpet nozzle.13 H 3652 Shpg. wt., 1 to

## SPRAYIT

HEAVY DUTY HANDYMAN SPRAYER


- Integral Compressor-Motor
- Sprays Oils, Paints, Stains, Insecticides, Liquid Wax 195 All-purpose spray unit that gives professional results from the start. Provides uniform adjustable pattern from "dime" size to a fan 10 " wide. Precision made with sealed ball bearings, never needs olling. Easy-to-use 2 -finger trigger gun. Alr delivery: $1.5-2 \mathrm{CFM}$ at 15-20 Ibs. Complete with 6 ft . cord and plug, 8 -ft, air hose, spray gun. Comes with internal-mix fan spray nozzle-1 pint capacity. For $115 v, 60$ cycles AC. Shpg. wt., 11 lbs.
cycles AC.
14 H 8407
Net 29.95

| MULTI-COLOR KITS: For best results in spraying multi-color |
| :--- |
| palints. |
| 14 H 8402 Shpg. wt, 802. |
| A1R TOOLS KIT: For inflation and dusting. Includes chuck for |
| all tires- footballs, basketballs, toys, alr mattresses "dusting" |
| attachment. |
| 14 H 8403 Shpg. wt., 4 oz . |

SPRAY-ALE ELECTRIC SPRAYER
$\qquad$

## $7^{95}$

- 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 insecticides, In the home for mothproofing clothing. Spray-all comes in red polypropylene housing with unbreakable graduated 28 oz . jar plus genuine sapphire jeweled nozzle and 5 position control switch for adjustment to any job.
12 H 4350 Shpg. wt., $21 / 4$ lbs. Net 7.95
SPAFYIT 720
PROFESSIONAL TYPE SPRAY UNIT


- 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 home, on the farm, or in the shop. Has its own $1 / 3 \mathrm{H} . \mathrm{P}$. Integrally designed motor, and bulit-in ollless diaphragm compressor that delivers a big 2.5 CFF at 35 P.S.I. Compressor bearings are permanently lubri. cated for long trouble free service. The IIghtweight aluminum spray gun with aluminum quart cup has a fully adjustable spray pattem 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, $15^{\circ}$ rubber air hose. For $120 \mathrm{~V}, 60$ cycle AC. Shpg. wt., 29 lbs. 14 H $8408 \mathrm{wx} \$ 5$ Monthly additional accessories.
 Shelves - Torches

## Hundreds Of Applications

## - Workshop - Garage

- Playroom
stano
- Basement
- Attic
- Office

STANDARO DUTY easy to custom build the equipment you need in steel. Hundreds of uses in the workshop, garage, attlc, playroom basement and office. All you do is measure, cut and bolt tozether using only a hacksaw and wrench. Made of strong cold-rolled gray-enameled steel. Corner plates provide added structural strength and rigidity - eliminate need for crossbracing. Angles are conveniently marked-off for measuring. 40 ft . outfit consists of $85-\mathrm{ft}$. lengths of $1^{1 "} \times 1^{\prime \prime} \times .040^{\prime \prime}$ angle steel, 12 corner plates and 50 nuts and bolts.
12 H 7706 WX Shpg. wt.' 11 lbs.
Net 8.95 HEAVY OUTY ANGLE STE'EL 39 ft . outfit consists of six $61 / 2 \mathrm{ft}$. lengths of $11 / 4 \times 11 / 4 \times .064^{\sim}$ plus 60 nuts and bolts, 12 corner plates. Shpg. wt., 18 lbs.

## STEEL FRAME WORK BENCH

## Includes Tool Rack, Peg Board

 Back Panel and Bottom ShelfA new all-steel frame work bench that is the ultimate in convenience and serviceability. The rigid, all steel frame is the core of this complete workshop that will last for years. Features a big $24 \times 48^{\prime \prime}$ work top of special. heavy-duty, compressed, highimpact board 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-assemble. $341 / 2^{\prime \prime}$ high. (Tools not included). Shpr. wt., 60 lbs, 13 H 3504WX
e: 17.75

## ALL-PURPOSE BENCH FRAME 50

It's easy to make a bench for every purpose -in the garage, store, house. laundry room, playroom, efc. Heavy gauge steel, completely pre-drilled, ready-to-assemble-just add the top. For larger benches. comblne 2 or more. Overall: $221 / 2 \times 471 / 2 \times 34^{\prime \prime}$ high, Shpg. wt., 19 lbs.
13 H 3501w
Net 5.50
TOOL RACK. Prepunched to fit frame. $46^{\circ} \mathrm{L}$. $41 / 2^{\prime \prime} \mathrm{H}$.
13 H 3502 Shpg, wt., 2 lbs, Net 1.95 CASTERS For easy moving. Sets of 4. 13 H 3503 Shpg. Wt., 1 ib.

Net 1.49
$\qquad$
ensories for $1^{* \times} \times 1^{\circ}$ units, pke of 4 Shpg Net 6,95
Plastic feet accessories for $1^{\prime \prime} \times 1^{*}$ units, pkg. of 4. Shpg. wt., 602. 12 H 7708 Net 45 Plastic feet for $14 / 4 \times 11 / 4^{\prime \prime}$ units, pkg. of 4. Shpg. wt., 602. 12 H 7709
Extra nuts and bolts, pkg. of 25

12 H 7710
Extra corner plates, pkg. of 6

## 12 H 7711

Net .49

## STEEL STORAGE UNITS

## - Braced on Back \& Sides <br> - Heavy Angle Posts <br> As Low As <br> $5^{95}$

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. Avallable in two sizes to fit virtually anywhere-30w $x$ $120 \times 60 * \mathrm{H}$ with 4 shelves, or $36 \mathrm{~W} \times 120 \times$ $72 \% \mathrm{H}$ with 5 shelves. Corner post and all edzes are rounded and snag-proof with back and side braces providing added strength and rigidity. Gray enamel finish. Shipped unassembled with all necessary hardware for fast easy assembly. Size: $12 \times 30 \times 60^{\prime \prime}$. Shipg. wt., 20 los.
13 fi 230iwx 4 Shelf Unit $\qquad$ Net 5.95 Size $12 \times 36 \times 72^{\circ}$. Shpg. wt., 28 lbs 13 H 2302 Wx 5 Shelf Unít Extra Shelves for above
13 H 2303
shpg. wt., 2 los.
13 H 2304
$12^{\prime \prime} \times 36^{*}$ shpis. wt., $21 / 4$ lbs.


## HCROKCNQ 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. Com. pletely new design eliminates unsightiy 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 spllt posts to permit assembly at full or half height in unlimited arrangements to meet every storage and space requirement. Baked enamel in handsome charcoal gray. 72"H x $36^{\text {" }} \mathrm{W}$
$13 \mathrm{H} 1852 \mathrm{WX} 12^{\circ}$ deep, wt., 30 lbs . Net 9.85
 13 H 1851 WX 18 " deen, Wta, 43 lbs. Net 11.95
"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 brack. ets and 4 screws for easy installation. All-steel drawer with handy knob. Prime coated white-can be repainted any color of your choice. Orawer size: $12 \times 12 \times 34 / 2^{*}$. Shpg. wt., 4 lbs , 13 H 3602

Net 2.99


Everything the home handyman needs to sweat fittings, solder and bend metal. All brass torch with improved pencll point burner assembly, heavy duty burner tip for larger flame, chised 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 H 2650

Net 6.95

## 13 H 2650

(B) LP. 555 DELUXE PROPANE TORCH

New "controlled flame", hot, dependable. All brass. Positive shut-off. Exclusive tension spring adjusting knob. UL listed. 13 H 2652 Shpg. wt., $21 / 2 \mathrm{lbs}$. Net 4.95
Super capacity fuel tank. Fits all standard propane torches, stoves, lanterns, etc.
13 H 2651 Shpg. wt., $21 / 2$ lbs Net 1.19
(C) "STANDBY" HANDY STAND

Adjustable butane torch holder that cradles torch at any desirable angle. Avolds dropping, breaking, reduces fire hazardacts as a third hand. Heavy gauge, satin aluminum finish and fully adjustable. Will stand almost anywhere workbench, step fully aduser spound etc. Safe, practical. Shpg. wt., $1 / 2$ it ladder, uneven ground, etc. Safe, practical. Shpg. Wt., $1 / 2$ io. 14 M 7101

# Tool-Boxes-Glues-Shop Essentials <br> STEEL TOOL AND UTILITY BOX <br> THERMOGRIP HOT-MELT GLUE GUN 


$141 / 2^{\prime \prime}$ long tool box. Cantilever tray with four compartments. Room enough for soldering iron, pliers, screw drivers, wrenches, etc. Pushbutton catch with hasp for lock. Folding, recessed handle. Baked enamel finish in glossy green. $141 / 2$ " long, $61 / 4^{"}$ wide, $41 / 2^{\prime \prime}$ deep. Shpg. wt., 3 lbs. 14 H 8606

Net 1.89

## MECHANIC'S HIP ROOF TOOL CHEST

- With Lift Out Tray

Rugged heavy duty construction. Has 2 . full length Intergral plano hinges, lock seams, padlock hasp, 2-side bolts and comfortablely fitted handle. Full slize tray with handle, is $2^{\prime \prime}$ deep with divided compartments. $19 \times 63 / 4 \times 73 / 4^{\prime \prime}$. Finished in hammertone gray. Shpg. wt., 10 lbs. 14 H 6650

## INSL-X TOOL DIP

Extremely high dielectric strength for maximum protection. No more tedious taping of tool handies. Just dip and let dry. Resists acid alkali, water and oll. Bright red color locates your insulated tool at aglance. Also recommended for use on Radio \& TV parts. 6 oz. can.
14 H 5606 $\qquad$ Net .99

## AERO/MATCH SPRAY BRUSH

Spray and match the same paint you buy for brushing. Since you fill the sprayer with your own paint, you can match anything-even multi-colors. The 1502. power unit outlasts about three aerosol paint cans. operates on a non-toxic, non-inflammable, pressurized gas. Unsurpassed for small or medium spraying. Spray brush requires no speclal shill... easy to use. easy to clean. Not affected by paint solvents. Can spray any liquid paint, insecticide, polish, antiseptic, etc. Shpg. wt., $11 / 2$ lbs.
14 H 5010
Net 2.29
14 H 5011 Replacement Power Unit Net 1.29
 60 Second Bonding - Neat - Clean - Easy

Electric glue gun hot-melts sticks of solld glue which are inserted in rear of gun. Glue is fed from gun by pressing thumb on glue stick as tool is moved along surface. Pleces are then just pressed together. Takes only 60 seconds for a permanent, waterproof bond. Perfect for bonding wood, pottery, leather, metal, fabric and many other materials. Bond is slightly flexible allowing some "give." Ideat for caulking boats, Installing tle, repalring furniture. 115 V . AC.DC. Shpg. wt., 1 lb
13 HS 513
Net 5.95
13 H 5414 Pkg. of 7 glue sticks
$\begin{array}{ll}\text { Net ea. } & .49 \\ \text { Net ea. } & .49\end{array}$ 13 H 5415 Pkg. of 7 sealer sticks

TWIN-WELD EPOXY ADHESIVE - Attach Anything to Anything.


Engineered for permanent adhesive use for metal, wood, glass, ceramics, concrete, hard rubber, fibergiass, brick and many other materials. Qulck, easy repairs. Can be molded to any shape. Use as a coating or filler-as a gasket-as caulking-as a dielectric. No solvents. Non-toxic, nonallergenic. Shpg. wt., 1 lb .
14 H 7301
Net 1.49

## ECCOBONO 26

- Sticks Anything to Anything

Handiest bonding agent ever for the tab bench or production line. Repalirs tools, hardware, furniture, boats. Features permanent adhesion to metals, plastics, paper, ceramics, etc. Cures in four hours at room temperature-in minutes at 150 F . Can be sanded or worked-takes paint readily. White color.. Mixes easily. M M 5105 Oz
14 H 5105

## HYPO-X GLUE TYPE

Includes Wheel Guide On Glueing Handy injector-type glue set contain25 ing three forms of adhesive: Epoxy (both A and 8 mixture) Resin and Acetate. Wheel guide shows which glue to use for any of 195 combinations of materials. injector vials end problems of storage and leaking. Shpg. wt., $1 / 2 \mathrm{bb}$

Net 2.25 calider at mid-scale position paris knuried thumb-screw locks the asition for use as a gauge. Shpg. wt., 1 lb .

Net 1.29

## MASTER DIRECT READING CALIPER

Measures round, flat, or Irregular shapes up to four inches thich. Read READ directly on $0-4$ inch scale calibrated SIZE in inches by 32 nds. Measure up to SIZE 3 inches in from the edge of a HERE part. Knurled thumb-screw locks the 142901

VERNIER SLIDING CALIPER -


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 gauge. Precision-made. Imported. Shipg. Wt. 1 it. 14 H 6112 Net .69

## PRECISION OILER



Instrument for precision oiling. Spout Is only $.003^{\prime \prime}$ dia. Made of stainless steel and butyrate. Flled with clear, non-stalning machine oll. Can be refilled. Hypo action prevents messy, harmful overoiling. Shpg. wt., 401.
14 H 8310 Net 79
14 H 8311 Precislon Graphite Net. 79 14 H 8312 Precision Grease ................ 79
true sight hand level


- Simple- Accurate
- Precise- Dependable

A precision instrument made pocket size for on the job checking and prellminary leveling. Hundreds of uses. Shpg. wt. $1 / 2 \mathrm{lb}$. 15 H 3433 Net 3.19


Handy $3^{\text {" }}$ diameter magnifying glass with a flexible shaft and an attractive metal base. Ideal for hobbyists or students. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.

# 1000 WATT PORTABLE GENERATOR WITH PERMANENT MAGNET ALTERNATOR 

- Produces 115 Volts AC
- 3 H.P. Lauson Engine

- 1000 Watt Continuous Duty Rating
as low as


## $149^{95}$

## No Money Down

A compact, portable electric power plant for on-the-spot electricity anytime, anywhere. Features a permanent magnet alternator that $L$ gives you more power and trouble-free operation - no brushes, armature windings, belts, slip rings or commutators. Depend. able 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 gauge, visual oil level indicator, integral receptacle, rubber shock absorbing feet, recoil starter and carrying handie. Portable - only 63 lbs. Compact $-15 \mathrm{H} \times 131 / \mathrm{ax} \times 13^{\prime \prime} \mathrm{D}$. 115 V . AC, 1000 -watt rating. Shpg. wt., 70 lbs. 13 H 4901WX $\$ 8$ Monthly 149.95 1250 WATT CONTINUOUS A.C. UNIT. All the features of the 1000 watt unit, has duplex receptacles, a carrying cradie. With Lauson 3 H.P., 4 cylinder engine. $11 / 2 \mathrm{al}$. tank. $18^{\prime \prime} \times 20^{\prime \prime} \times 27^{\prime \prime}$ 13 H 4902wX Shpg. wt., 82 lbs. $\$ 10$ Monthly
y …..........Net 189.95

## 240 GPH SUBMERSIBLE PUMP <br> - Will Not Corrode or Rust <br> - Hermetically Sealed Motor <br> - For Circulating and <br> Dispensing Water <br> 

It's the ali-new Delron aluminum pump for underwater use. Guaranteed not to corrode or rust; hermetically sealed motor. Circulates and dispenses water and mild acld solutions, for use in fountains. beverage dispensers, aquariums, photo developing, air conditioning. etc. Gallons per hour delivery: 240 @ $1 \mathrm{ft} . ; 180 @ 3 \mathrm{ft}$; $125 @ 5$ $\mathrm{ft} . ;$ shut off @ 12 ft . Outlet $3 / \mathrm{m}^{\prime \prime}$; inlet $1 / 2^{\prime \prime}$ pipe 0.0.; height $42 / 2^{\prime \prime}$; depth $41 / 4^{\prime \prime} .6 \mathrm{ft}$. safely cord. $115 \mathrm{VAC}, 60 \mathrm{cps}, ~ A C, 49$ watts load: .67 amps load. Shpg, wt., $31 / 4 \mathrm{lbs}$.
13 H 8901
Net 13.50

## 1300 GPH <br> SUBMERSIBLE PUMP

- Standard Hose

Connection Outlet

- Operates at Depths up to 40 ft .


Heavy duty all-purpose submersible pump. Features long life carbon ceramic seal, thermo-overioad motor protection, and double epoxy coating. Comes with $6-\mathrm{ft}$, safety cord, leaf strainer, and standard hose connection outlet. Ideal for many underwater applications, such as in pools, fountains, etc. Gallons per hour delivery: 1300 @ $2 \mathrm{ft} . \mathrm{1} 1030 @ 5 \mathrm{ft}$., $810 @ 10 \mathrm{ft} .600$ @ $15 \mathrm{ft} ., 300$ @ 25 ft . Shut off @ 40 ft. 4.5 amps 10 ad . $43 / 4 \mathrm{HX} 7^{\circ} \mathrm{D}$. 115 V . 60 cy . AC. 13 H 8903 Shpg. wt., 9 lbs. $\$ 5$ Monthly


## TINY TIGER "HUSH TONE" PORTABLE GENERATOR

## 0995 <br> No Money <br> Down

- 115 A.C. 350 Watts Electric Power 12V D.C 12 Amps.
- Only 12 lbs.
- 12 V D.C. For Battery Charging
- Economical Gas Driven Motor Boats
Model 67 -Lightweight, rugged metal construction! Features a 1 hp , 2 cycle Ohisson \& Rice air cooled englne with a high capacity mag. neto ignition. 6 pint, premixed ( 10 parts gas- 1 part oil) fuel capac. lty 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 muffier. Dual voltage, direct drive tiny Tiger generator produces up to 350 watts of 115 V . AC , and 12 amps of 12 V ., OC simultaneously for charging auto batteries or starting cars, boats and trucks. Constant voltage within $110 \cdot 120$ volts with an automatic overload relief system. Light enough to carry anywhere (12 lbs)...small enough to carry In one hand ( $81 / 22^{\prime \prime} \mathrm{H} \times 81 / 2^{\prime \prime} \mathrm{W} \times 101 / 4^{\prime \prime} \mathrm{L}$ ). Shpg. wt., 13 lbs .
12 H 3552 \$5 Monthly
HANDY CARRYING CASE
12 H 3551 Shpg. wt. 4 lbs.
Net 99.95
Net 8.95


## WATERFALL KIT Only <br> $14^{95}$



Enchanting waterfall of cascading water constantly recirculated by electric pump. Gallons per hour dellivery: $180 @ 1 \mathrm{ft} 140 @$.3 ft . 100@5 ft.; shut off @ 10 ft . Outlet $\mathrm{K}_{\mathrm{c}}{ }^{\prime \prime}$; intet $1 / 2^{\prime \prime}$ 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 poly, pump filter. Shpg. wt., 4 lbs.

## 13 H 8902

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


A motorized, miniature pump for the hobbyist and "Do-it-Yourselfer." Pumps liquids from container to container at the rate of up to $11 / 2$ 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 OC. Shpg. wt., 1 lb .
13 H 1903
Net 3.98

## FASCO 160 CFM BLOWER FOR 115 VOLT 60 CPS. A.C.

## ${ }^{\text {ONLY }} 8^{95}$

- 1500 RPM-160 Cubic Feet Per Minute

- $51 / 4$ Diameter Intake $3^{\prime \prime} \times 31 / 4^{\prime \prime}$ Output
- Flange With Fixed Mounting Studs

Heavy Duty centifugal blower usable in many applications - air distribution in confined areas, exhaust fumes and gas, etc. Sultable for ventilation equipment in home, marine, and commercial use. Provides effieient quiet operation. $10^{\prime \prime}$ A.C. leads for 115 VAC .60 Cps. 64 Amp. Shpg. wt., 8 lbs.
12 H 5403
8.95

## Electronic Burglar, Warning Systems



The Lafayette Photo-Electronic Relay is your key to an inexpensive indoor warning or counting system. Consisting of a rugged exciter and relay unit and operating on 110.120 V AC, it can be connected to signal persons entering a room, counting people or merchandise or function as an effective alarm system to warn of intruders. Effective up to 48 feet (without filter, 18 to 20 feet with filter, relay unit has a convenient variable sensitivity control and switch for intermittent alarm operation. Exciter has removable infrared filter. Mounts easity across area to be supervised. Metal case. Size: $41 / 4 \mathrm{H} \times 3 \mathrm{~W} \times 41 / 2 \mathrm{Z}$. Imported.
99 H 9082 Shpg. wt., 6 lbs.
99 H 90276 Volt 20 Watt Replacement Bulb
ACCESSORIES FOR ABOVE
99 H 9023 Electric 8ell, 110 V AC. Shpg. wt., 202.
Net 18.95

99 H 9024 Electric Buzzer, 110 V AC. Shpg. wt., 1002
99 H 9011 6-Digit Electric Counter. Shpg. wt., $11 / 2 \mathrm{lbs}$.
mallory sonalert electronic auoible signal oevice
Solid-state circuitry, no mechanical wear-no-arching-no RF noise. Small size, lightweight, and low current drain allow them to be used in most circuits where waming 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 protection equipment. Application possibilities are limitless. Size: all $11 / \mathrm{i}^{\prime \prime}$ dia. $x$ $.781^{*}$ long, except * are $1.38^{\prime \prime}$ long. Installed weight: all $11 / 4$ oz. except $t$ are 2 02. Shigg. wt., 6 oz

| Stock No. | Type No. | Operating Voltage | Freq. CPS | $\begin{gathered} \text { Intensity } \\ D B \end{gathered}$ | Current MA. | Operating Temp. of | $\begin{gathered} \text { Net } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & \mathbf{2 5 . 4 9} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 H 7401 | SC628 | 6-280C | 2800 | 68.80 | 3-14 | $-40+120$ | 5.50 |  |
| 12 H 7402 | SC628H | $6.280^{\circ} \mathrm{C}$ | 4500 | 68.80 | $3-14$ | $-40+120$ | 6.35 | 6.25 |
| 12 H 7403** | SC628P | $6-280 \mathrm{C}$ | 2800 | 68.80 | $3-14$ | $-40+120$ | 9.95 | 9.75 |
| 12 H 7404* | SC628A | 6.28AC/0C | 2800 | 68-80 | 3.14 | $-40+120$ | 8.75 | 8.60 |
| 12 H 7405 | SC628S | 6-280C | 2800 | 68-80 | 3-14 | $-40+185$ | 6.75 | 6.63 |
| 12 H 7406* $\dagger$ | SC110 | 110 AC | 2800 | 80 | 14 | $-40+120$ | 8.75 | 8.60 |

## LAFAYETTE ELECTRIC BELL

Ideal as a fire alarm, burglar ălarm 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, $41 / 4^{*}$ across and $21 / 4^{n}$ deep. Imported. Shpg. wt., 1 lb 99 H 9023


## LAFAYETTE ELECTRIC BUZZER 1 79

Extra loud buzzer in a metal housing set on heavy plastic base. Six inch leads. Red metallic finish. For $110 \mathrm{~V} A C$. Overall: $3 x /{ }^{\text {n }}$ t. $\times 234^{\prime} W \times 2^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 1002. 99 H 9024

Net 1.79

## CHIME ANNUNCIATOR KIT



> - Announces Visitors Guards Against Theft

Signals entrance into office, store or shop by ringing chime. Includes concealable mat $18 \times 24 \times 33_{3}$ " thick, 2 -note chime, trans. former, wire and instructions. Shpg. wt., 4 lbs.
33 H 6605
Net 21.95

## WORNER MODEL 4000 ELECTRONIC "WATCHMAN"



Economical indoor alarm system. Consists of exciter lamp unit and matching electronic relay, in attractive hammerloid cases. Ex. citer unit has 2 prefocused $f 6$ lenses for maximum light dispersion, infra.red filter to furnish invisible beam. Relay unit has toggle switch cholce of momentary or continuous alarm operation, outside light rejector, sensilivity control. Built-in 6V. A.C. power supply permits use of external elec. trical alarms. Ranges: white light $50^{\circ}$ in. visible light $3^{\circ}$. Size each unit $5 \times 5 \times 5 \frac{1}{2 \prime \prime}$. For $110-120$ V. $50-60$ cycle AC. Total shpg. wt. 14 los.
12 H 8804 \$ 5 monthly
Net 96.30

## WORNER ELECTRONIC RECEPTIONIST



## No Money Down

MODEL 61 ANNOUNCER. COnsists of "FOtO electric ${ }^{\text {" }}$ unit, chime and mirror. Chime rings when light beam is intercepted. Unit has exciter lamp which projects beam across passage, and photocell which receives reflected beam from mirror; may be placed up to $10^{\circ}$ from mirror. $81 / 4 \times 61 / 2 \times 21 / 4^{\prime \prime}$. For 110 $120 \mathrm{~V} 50-60$ cycle A.C. Shpg. wt., 9 lbs. $12 \mathrm{M} 8801 \$ 5$ 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 $41 / 2 \times 41 / 4 \times 7^{\prime \prime}$; amplifier $51 / 0 \times 7 \times 51 / 4^{\prime \prime}$ with split door, hinged bottom. For $110 / 120 \mathrm{~V} 50-60$ cycles.
12 H 8805 WX Shpg, wt., 14 lbs.. Net 153.57
60-1130 REPLACEMENT BULB 6 V., 32 CP . 2000 hours. For models 61, 4000, and 5105. Shpg. wt. 502

## 12 H 8802

Net .66
EXTR CHIME for Models 61 and 4000 and any other 6 VAC power source. Serves as an excellent waming device. 12 H 8803 Shpg. wt. 2 lbs

# Alarms-Save Money-Save Lives 



Sensitive, precislon unit set to howl with a continuous, unmistakable blast of sound the moment air temperature reaches $135^{\circ}$. Operates on two standard flashlight batteries. So inexpensive you can install one In every room plus basement, attic, and garage. Batteries should be replaced approxi. mately 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 elec. trical house current. Slze: $27 / 4 \times 51 / 2 \times 11 / 2^{\prime \prime}$. Shpg. wt., 1 lb.
14 H 3950 (Less Batteries) Nel 4.95 99 H 6256 Batt (2 Req'd) .... Net ea. . 15

## GULTON FIRE ALARM

- Always Fully Charged - Extra Loud Alarm Horn - Always on Guard


Bulit-in 117 VAC charging circuit keeps internal batteries up to full 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 $\left(1260.140^{\circ}\right)$. 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., $11 / 2 \mathrm{lbs}$.
14 H 1450
Net 9.95

## BURGLAR LOCKALARM

3


For Window

For
Doors

- Requires No Wiring

Burglar-proof Sentinal Burglar Lock-alarm; automatically locks when unauthorized forced entry is attempted, plus emits a piercing sound capable of awaking the entire 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. wt., $1 / 2 \mathrm{lb}$.
14 H 6350
Net 3.95
99 H 6258 Battery for above

## $39^{95}$

- Fits All Doors - No Wiring


## Complete No Money Down

 Fully transistorized, battery operated burglar alarm for the home, apartment, store, and office. Universal mounting fits any door. Puskbutton control is provided for manual alarm to signal for aid 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 wirling required. Constructed of heavy. gauge, anodized aluminum with neutral sand colored finish. Comes complete with battery and mounting hardware. Size: $41 / 2 \times 8 \times 3^{\prime \prime}$. Shpg. wt., 2 lbs. 14 H $1350 \$ 5$ MonthlyNet 39.95



## (A) DECORATIVE ENCLOSED CIRCLINE FIXTURE

Rapid start surface mounting fluorescent fixture. Includes 1.40 watt and $1-32$ watt circline lamp. Custom appearance - $s m o 0 t h$ 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. Avallable in durable simulated walnut grain or gleaming baked white enamel. $18 \times 18^{\prime \prime}$. Shpg. wt., 14 lbs. 12 H 7061 W White enamel housing 12 H 7062 W Simulated watnut grain housing

Net 19.95
Net 22.95

## (B) STRIP LIGHT FIXTURE

Attractive, steel frame fluorescent fixture. Baked white enamel finish. Completely wired ready for easy installation. *Rapid start type. With tubes and starters. UL listed. For $\mathbf{1 1 0 - 1 2 5 Y}$., AC.

| Stock No. | Watts | No. Bulbs | Length | W., Lbs. | Net |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 12 H 7054 | 20 | 1 | $25^{\prime \prime}$ | 3 | 3.98 |
| 12 H 7055 W | $40^{\circ}$ | 1 | $49^{\prime \prime}$ | 7 | 6.50 |
| 12 H 7056 W | $80^{\circ}$ | $2 \times 40$ | $48^{\prime \prime}$ | 18 | 10.95 |

## (C) 8O-WATT UTILITY REFLECTOR FIXTURE

Versatile fixture for recreation room, workshop or garage. Baked white enamel reflector with grey enamel exterior. Fatures wide lamp spacing with minimum light loss providing maximum require. ments of lighting efficiency. Rapid start. Has normal power factor. Includes two 40 -watt tubes, 6 ft . 3. wire power cord and pull-chain On/Off switch. UL listed. For $110-125 \mathrm{~V}$., AC. $48 L \times 16 \mathrm{~W} \times 5^{\prime \prime} \mathrm{D}$. 12 H 7059 W Shpg, wt.. 15 lbs.

Net 13.95
LAFAYETTE UNDER CABINET LAMP


- Convenient AC Outlet
- Complete with Bulb

An extremely functional lamp, ideal for glare-free light over kitchen or shop work counters. Shallow design, only $11 / 4$ "deep. Complete with fluorescent lamp, built-in AC outlet, 7-foot line cord. White. Imported. Shpg. wt.. $\&$ lbs.
99 H 9119 15.Watt Lamp; 181/2" Iong
12 H 1002 15.Watt Replacement Bulb. Wt. 6 oz.
99 H 9120 8-Watt Lamp; $121 / 2^{\prime \prime}$ long
12 H 1007 8-Watt Replacement Bulb. Wt. 6 oz.

## "THE WELCOME"

2-NOTE ELECTRIC DOOR CHIME


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. $43 / 4 \mathrm{Hx}$ $71 / 2 \mathrm{~W} \times 2 \frac{1}{6}=\mathrm{D}$. Shpg. wt. $11 / 2 \mathrm{lbs}$.

## 12 H 4850 <br> 12 H 4850

Net 5.95
Net . 99
Net 3.95
Net 1.39

## (D) UTILITY FIXTURE

Budget wall unit; uses single 15 -watt pre-heat type fluorescent fube. Heavy gauge steel with bright chrome finish, completely sealed by one-plece wrap-around ribbed, translucent polystyrene diffuser; easily removable for relamping. Complete with fluorescent lamp, On/Off switch and bullt-in grounded AC outlet. UL listed. Size: $21 / 2 \mathrm{H} \times 41 / 4 \mathrm{D} \times 184$.
12 H 7050 Shgg. wt., $21 / 2$ lbs.
Net 6.50
12 N 7051 Same as above except 20 -watts, $24^{\prime \prime}$ tong
Net 7.50

## (E) ADJUSTABLE REFLECTOR FIXTURE

Highly pollshed chrome plated fluorescent fixture. Curved highly polished chrome steel reflectors are swivelled at lampholders in order to avoid direct lamp exposure, effecting a soft and pleasant light source. Complete with pre-heat fluorescent tube, on/off switch and grounded AC outlet. UL Listed. Size: $4 \mathrm{H} \times 2^{1} \mathrm{~K}_{6} \mathrm{D} \times 191^{\prime \prime} \mathrm{Z}^{\prime \prime}$. Shpg. wt., 4 lbs. 12 H 7052

Net 6.25
12 H 7053 same as above except 20 -watts. $25^{\prime \prime}$ long
Net 7.25

## (F) 2-LIGHT 80-WATT REFLECTOR FIXTURE

Uses two rapid start 40 -watt fluorescent tubes for even intense light. Fixtures may be mounted individually or in continuous rows. With knock-outs for switch and pipe installation; slots for adiustable chain suspension. Baked white enamel reflector with grey enamel exterior finish. Normal power factor. Complete with two 40 watt bulbs. UL listed. For $110-125 \mathrm{~V}, \mathrm{AC} .48 \times 121 / 2 \times 5{ }^{\circ} \mathrm{D}$. 12 H 7060 W Shpg. wt., 15 lbs.

Net 11.95


2-LIGHT RAPID START CIRCLINE FIXTURES

## as Lom as $11^{95}$

- Rapid Start
- Complete with Lamps
- All Chrome Plated

Cool, glare-free, easy on the eyes. Takes up little ceiling space; bulbs just snap in place. Chrome.plated, simple to clean. Produces comfortably soft light, intensity equal to 100 watt incandescent bulb. Has $12^{\prime \prime}$ diameter 32 watt, and $8^{\prime \prime}$ " diameter 22 watt lamps. for use with wall switch. Complete with lamps, hardware. For $110-125 \mathrm{~V}$, AC. Diameter 12". Shpg. wi., 11 lbs. UL listed.
12 H 4950
Net 11.95
Simitar to above except with 1-12" dlameter 32 watt bulb and $1.16^{\prime \prime}$ diameter 40 watt bulb.
12 H 4951
Net 14.95

## "THE COSMOPOLITAN" 2-NOTE ELECTRIC DOOR CHIME <br> 

A universal design for all areas of the home. With handsome gold resonating side tubes. Soft lvory plastic cover with gold leaf trim. Two-notes front door, one-nole rear door. Installation instructions included. $71 / 2 \mathrm{Hx}$ 7Wx 2 \% D. Shpg., wt., 2 bs. 12 H 4851

## CHIME ACCESSORIES

## (G) 10

(C) POLISHED BRASS LIGNTEO PUSH BUTTON. Surface mount, equipped with miniature electric bulb. No special wiring required. 12 H 4852 For 6 to 16 V . Wt., 4 oz. Net 1.39 (H) "COLONIAL" LIGHTED PUSH BUTTON. Solid polished cast brass with lighted push button center. No special wiring required. 12 H 4853 Wt., 1 tb. ..................Net 1.99 (J) "QUICK MOUNT" SIGNAL TRANSFORMER for bells, buzzers, chimes. Thermal Switch prevents overload. Rated $16 \mathrm{v} ., 10 \mathrm{~W}$. 12 H 4854 UL listed. Wt., 4 or. .... Net 2.79

# 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 Plug 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 nome or shop. Simply plus in the transmitter and place the re. ceivers 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, lamps, viewing TV, or listen. Ing 10 hl - il in bed. Transmitter and receivers operate on standard house current. Receivers accept any 105 to 120 volt de evice up to 500 watts per channel. Supplled with dual channet transmitter and one recelver for channel A. Imported. Shpg. wt.. $11 / 4 \mathrm{lb}$. 99 H 9193 Dual Channel Transmitter and Receiver 99 H 9194 Channel B Recelver Net 19.95 Net 10.95 99 H 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 H 9118 Complete Transmitter \& Receiving Unit ........... Net 14.95 99 H 9122 Extra Recelver 99 H 9178 Extra Transmitter

## BURGESS SAFARI LITE FLUORESCENT LIGHT SAFE - BRIGHT -

- AC or Battery
Operation
- Hi-Lo Switch
- 

Elficient battery powered light weighs only a compact 9 lbs. yef dellivers plenty of bright light for use in tents, trailers, boats, patios, etc. Especially useful during emergencies. Two light levels are provided for brilliant or low Intensity Illumination. Operates on bat. teries for only pennies per hour. Builtin 110 volt circuit permits use with standard AC current. Attractive Dolystyrene case and handle complemented with gleaming stain.
 Shpg. wt.. 6 lbs.
13 H 8055
Net 12.45
Batteries for above ( 2 required). Wt. ea., $11 / 2 \mathrm{ibs}$

## FLUORESCENT <br> TROUBLE LIGHT



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.

Net 5.59

## LAFAYETTE AUTOMATIC 1000 WATT ILLUMINATOR

- Turns Lights On and Off Automatically
- For Permanent or Mobile Installation
- Never Needs Setting

A light-sensitive photo-electric swifch that turns your lights on and off automatically at dusk and dawn. Has a capacity of 1000 watts so you can control several fixtures if you desire. Color-coded 6 -foot 3 .wire cord can be permanently connected to a fixture or wire fit to the plug Insted below for mobile or temporary installa. tions. Water.proof construction makes it ideal for outdoor use. Housed in clear plastic case measuring $4 \times 2 \times 2^{\prime \prime}$. For $105-130 \mathrm{~V}, 50.60$ cps. Imported. shpg. wi., 1 tb. 99 H 9115

Net 5.95
Plug for adapting Illuminator for Plug-in Use. Wt., 402. 12 H 5050

As Low As


WIRELESS REMOTE CONTROL SWITCH


- Use To Turn On and Off Lamps, Fans, Hi-Fi, TV, And Radios From Chair or Bed
- Use From Car To Open and Close Garage Door
- Operates At A Distance Up To 40 Feet
"Microsonic Beam" switches On/Off any appliance in the home. A touch of the button on the wireless transmitter switches TV, hi-fi, lamps, radios, fans or other electrical devices $0 n / O H$ up to 40 feet away. Conststs of a Teleswitch (miniature receiver), and a Telewand (miniature transmitter). Installs in seconds... Just plug the AC cord from the appliance you wish to control into the reteswitch socket, then plug the AC cord from the Teleswitch into any $110-120 \mathrm{~V}$., 60 cycle AC wall outlet. Telewand operates on self-contained $9 \mathrm{~V}^{\prime}$ battery. Shps. wt., $11 / 2$ lbs.
12 H 8701
Net 16.80
99 H 6021 Extra battery
Net 21


## LAFAYETTE AUTOMATIC PHOTO-ELECTRIC ILLUMINATOR



Photo-electronic, High-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 require automatic lllumination. Measures only $3 y / 4-21 / 2-21 / 4^{\prime \prime}$. Use on 117 -valt AC only. Maximum 300 watts lamp load. Instruction Included. Imported. Shps. wt., 1 Ib.
99 His 984

## High Intensity - Specialty Lamps

LAFAYETTE 5. WAY HIGH INTENSITY LAMP


Beautifully designed, transformer powered, telescoping Hi-Intensity lamp featuring HIGH and LOW switch. Telescopes from $31 / 2^{\prime \prime}$ to $11122^{\prime \prime}$. May be used as a desk and wall light, spot and TV lamp. Use as a night light when closed. Shade swivels $360^{\circ}$ with an arc of $180^{\circ}$. Shade and base are richly finlshed in black. Uses \#93 butb, supplied. Overall helght $13^{\prime \prime}$. Imported. Shpg. wt., $21 / 2$ lbs. 99 H 9198

Net 5.95


A unique high-intensity lamp efficiently suit. Ing a variety of purposes. May be used as a desk and wall light, night light. spot, and TV Iamp. Features two stylish cylinders with chrome arm and wall bracket-practical as well as attractive. Reflector rotates full $180^{\circ}$ for maximum high intensity Illumination wherever required. Uses $\$ 93$ bulbs supplied. Shpg. wt., 2 lbs.
12 H 4550
Net 12.95
FLUORESCENT DESK LAMP


- Complete With Bulb

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 while plastic diffuser for maximum light dispersal. Includes 14-watt, 15* cool fluorescent bulb. Popular streamline design complements any room decor, 14 inches high by 15 inches wide. Gooseneck support provides lllumination anywhere on your work or reading surface. 12 H 1602 Imported. Shpg. wt., 44/2 lbs. Net 5.95

## REPLACEMENT HIGH INTENSITY BULES

Popular replacement bulbs for most high intensity lamps. Avg. shpg. wt., 3 oz.

| Stock No. | Type No. | Net |
| :--- | :--- | :--- |
| $12 H 7505$ | 93 Pkg. of 2 | .65 pkg |
| 12 H 7506 | 1133 Pkg. of 2 | .85 pkg. |
| 12 H 7504 | $40511 \mathrm{~N} / 1$ | $.79 \mathrm{ea}$. |
| 32 H 6671 | 1156 | .47 ea. |



Ideal for desk or wall mounting. Lamp shade turns in any direc. tion, giving an ample unlform, non-glare beam of light. Sturdy hinged arm extends to 14 inches, folds flat against a hi.lmpact base. HI-Lo-Off switeh plus 6 ft . cord. Gold finish lamp shade and arms; ivory base. Uses \#93 bulb, supplied. 117 volts, $50 / 60$ cycies. 99 H 9114 Imported. Shpg. wt., 2 lbs. ................................. 3.95

$9^{95}$


All metal construction. transformer powered high intensity lamp with high and low con. trol switch. Extremely versati'e and fully adjustable folding arm in polished chrome finish. Maximum heieht 19" when closed $32 / 2$ "Hx $12 \frac{1}{2}$ "L. Sturdy black metal base. Uses high output 1156 bulb supplied. 12 H 1603 Shpg. wt., $31 / 2$ lbs. .... Net 9.95

## VARIABLE BRILLIANCE HIGH INTENSITY

 LAMP- Dial Control $17^{95}$
- Full Range-Total Darkness to Maximum Brightness

Select the most efficient, powerful, glarefree light you desire. Any illumination from total darkness to high intonsity light. Separate on-off switch and dimmer for simple operation. Ideal for desks, workshops, labs, assembly work. Sturdy rectangular brass and black base with $180^{\circ}$ swivel arm. Black textured shade reflector rotates full $360^{\circ}$ Complete with a high performance GE 115612 volt bulb, supplied. 80 inch cord is fuse protected. Shpg. wt., 2 lbs. 12 H 4303

## LAFAYETTE HIGH INTENSITY LAMP



## $2^{95}$

- Magnetic or Clip-on Base
- Adjustable Folding Arm

Powerful high intensity lamp featuring a handy magnetic or clip-on base for use on any surface. Inner reflecting shade for brighter non-glare illumination. 4-section telescoping arm with $360^{\circ}$ rotating shade permits use in any position. Transformer. less. Uses $40511 \mathrm{~N} / 1$ bulbs supplied. Imported, Shpg. wt., 1 lb . 99 H 9126

## Lamps for Home - Office - Shop

- Shade Swivels $360^{\circ}$ For Personal Lighting
- $41 / 2^{\prime \prime} \mathrm{W} \times 6^{\prime \prime} \mathrm{H}$ Two Piece Air Cooled Shade
- Counterbalanced Extension Arm
- Sturdy 6" Diameter Weighted Base (A) Lafayette Desk Lamp. Modern styled lamp that's ideally suited for use in any home where an area of bright, cool light is necessary. Lamp can be raised or lowered with a slight touch-yet arms are counterbalanced to stay in place. Lamp swivels $360^{\circ}$, has $15^{\prime \prime}$ reach. With felt bottom base to protect desh or table top, top ventliated lamp shade, 6 ft . white, U.L. listed line cord, lvory finish with gold trim. For $110-120 \mathrm{~V}$., $50 / 60$ cycles AC. Imported. Shpg. wt., $51 / 2 \mathrm{lbs}$. 99 H 9183 Net 8.95
- Spring Controlled Extension Arms
- 7"Wx7"H Ventilated Lamp Shade
- Plated Inner Reflector For Glare-Free White Light
(B) Latayette Clamp-on-Lamp. Ruggedly constructed, all-purpose clamp-on.lamp with " C " mounting clamp for easy installation. Adjusts with a touch; is spring controlled to stay put Lamp swivels $360^{\circ}$; has $25^{\prime \prime}$ reach and air cooled ventilated lamp shade with light diffuser. Felt pad on "C" clamp protects finish on desk or table top. 6 It. black U.L. listed line cord. Black enamel finish with brushed aluminum trim. For $110-120 \mathrm{~V}$., $50 / 60$ cycles AC. Imported. Shpg. wt., 3 lbs.
99 H 9184 .......................................................................................... 11.95


## LAFAYETTE CLAMP-TYPE "DRAFTING LAMP"

For Factory, Office, Studying, Drafting, Home, Kitchen

- 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. Protects your eyes. Arm extends to 30". Comes in neutral color to blend with all decor. For $110-125 \mathrm{~V}, 60$ cycles AC . Comes less bulb. Imported. Shpg. wt., 9 lbs.
99 H 9077


CLAMP-ON-LAMP

IDEAL FOR STUDENT'S ROOM OR HOME LIBRARY


Ideal for factory benches, tables and drafting boards. Two bolts clamp base securely to any surface up to $3^{\prime \prime}$ thick. Spring-controlled swivel joints and double arm action give you light in any desired position. Arm extends $36^{\prime \prime}$. Uses two T8, $15-\mathrm{W}$ lamps For 110.125 V., 60 cycles AC. Bronze finish.

12 H 1001 Less lamps. Shpg, wt., 10 lbs.
Net 17.95
12 H 1002 T8, 15-watt, cool white lamp
$\qquad$ Net ea. . 99

## STUDY-LYTE CLAMP ON LAMP



- Spring Control
- Extends to 45"

Perfect Illumination 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 of table, six feet long and four feet wide. Sleek all-metal construction with versatile $3^{\prime \prime}$ throat edge clamp. Uses standard bulb (not included). Avallable in easy-to-assemble kit form or completely assembled.
12 H 6950 Kit. Shpg. wt., 5 lbs.... Net 9.95
12 H 6951 Assembled

## MAGNIFYING INSPECTION LAMP

 As Low As $19^{95}$

- Has 5"Lens

Designed for precision work, features a $5^{\prime \prime}$ dlameter magnifying glass with a powerful $13^{\prime \prime}$ focus, surrounded by a 22 watt shadow. free fluorescent lube. A custom-engineered arm permits compiete directional mobility -special adjustment knobs insure the proper tension and steadiness for any desired position. 45" arm reach. Ideal for assembly, laboratory, quallty control and other detail work. In kit or assembled form. Shpg. wt., 8 tbs.
12 H 6952 Kit, less lamp
Net 19.95
12 H 6953 W Assembled less lamp Net 24.95 T9, 22-watt, cool white lamp 12 H 7501

Net ea. 2.89

- Has 5" Lens with 13" Focus

The perfect lamp for the hobbyist who needs plenty of light and magnification for close precision work. The fiexible, 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 los.
12 H 1004
Net 17.95
T9, 22-watt, cool white lamp
12 H 7501
Net 2.89

# Lamps - Electrical Appliances 

## AMPLEX TROMBOLITE

## $24^{95}$



- Glide-Action Arm Extends to $39^{\prime \prime}$
- Glides-Slides-Rotates-Spins Swivels
Thls unusual blend of incandescent and fluorescent light sources gives off $23 \%$ more light. Features a single switch control that operates incandescent. thuorescent alone or a combination of both. Trombolite's glide action arm extends to a full $39^{\circ}$. Comes complete with clamp-on base, 60 watt incandescent lamp and 22 watt green fluorescent circline tube for less eye-strain. UL Listed. Shigg. wt., 8 lbs.
12 H 1101
Net 24.95

- Universal All-Angle Fixtures
- With Reflector
weatherproof flood or sealed. beam spotlight fixture for permanent or portable loca. tions. Fixture comes com. plete with reflector and all hardware (less bulb). Shpg. wt., 1 1/2 lbs.
Floodlight fixture for indoor use.
99 H 9094 Imported
Net 2.95
l10w floodlight bulb. wt., 6 ozs.
12 H 1102
Net 1.49
Spot-Lisht Fixture for Indoor/Outdoor Use
99 H 9095 . Wt. 1 th los.
Net 2.95
150W Spot light bulb. wt.. 6 ers.
12 H 1103


GIANT
PATIO LAMP


The lamp of 100 uses. Perfect for patio, garden, photography attic, workshop. and window display. $10^{\prime \prime}$ all aluminum tarnish proof reflector mounted in double swivel elomp on base. $6^{\circ}$ rubbar covered cord and rubber plus. Shipg. wt. 2 lbs,
12 H 2001
Net 1.79

## CONVERTIBLE GROUND PLUG



## - Fits and Grounds 2 or 3 Hole

Receptacle with No Adapter
Convertible plug fits all wall outlets- 2 or 3 . hole. 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 phe. nol, with nylon shell. 12 H 4501

Net .75

## TOUCH-A-MATIC NITE-LITE

## - 3,000 Hour Bulb

Famous Touch-A-Matic swlteh goes on and off at a touch-by pushing. flipping and even kicking without stooping or groping when light is pluared into baseboard outlet. Vertical design hugs the wall. Shade rotates $360^{\circ}$ for any desired liaht. All bakelite construction. With 3000 hr, bulb. $31 / 2^{\prime \prime}$ long. Shog. wt., 40 oz 13 H 8124

Net .49

LAFAYETTE APPLIANCE REMOTE CONTROL
with 10 ft . Cord


Turn any 110 volt appliance on and off without getting up from your chair or bed. Control your TV, radio. hifi, lamp, fan, appliance, movie projector. tape recorder. phonograph. etc. Nothing to connect-just plug it in. Easy fingertlp control with handy in-out push switch. Long 10 foot cord makes it ideal for TV viewing when you're confined to bed. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$. 99 H 8069

Net .99


## SAFETY OVERLOAD PLUG

- Button Pops Up On Overioad Circuits
- Press Button to Reset

Protects against hazards inherent in overload conditions. Ideal when you use any appliance. Protects against shorts, burnt out fuses and electrical fires caused by power overloading. Button pops up and overioad Is automatically broken. One minute after the excess load is removed, just press the button to reset. 10 amps . 125 volts only.
12 H 2100
Net .75


## LOUVRE NITE LITE \& RECEPTACLE

Flush-mount, combination night light and receptacle box without sacrificing the convenience of an electrical outlet. On-off rotary switch. Modern, one-plece louvered bakelite faceplate ( $41 / 2^{\prime \prime} \times 23 /{ }^{\prime \prime}$ ). Ample 6 watt lamp. U.L. and CSA listed. Shpg. wt. 4 oz . 12 H 1400

Net 1.79 32 H 6667 Replacement Lamp

Net 21

## CORDOMATIC HANDY LIGHT

as low as


- Portable light and power
- Locks at any lengthup To 20 ft.
- 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 hazard's of tangled cords. U.L. Iisted. 13 M 8302 Shpg. wt., 5 lbs. ........Net 7.50 3.Wire Lite. As above but with 3-wire cord and plug.
13 H8304

TROUBLE LAMPS
as low as


- 2 Side Outlets
- Heavy Rubber Construction

Heavy-duty vinyl plastic insulation: all cod. per wire. Flio-Lok cage ellminates removal for re-lamp. Uses standard lamp. Heavy rubber handle with 2 side tool-tap outlets. on/off switch. Shpz. wt.. 2 Ibs.
12 H 7801 50.ft. Lamp
Net 2.25
12 H 7652 25-ft. Lamp
Net 1.59

## Selected Electrical Accessories

3 WAY POWER CONTROL


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 install or use unmounted. Rated at 1000 watts. Ivory colored tough plastic 12" long by $1^{-1}$ square. Four foot heavy cord and Dlug. Shpg. wt., $11 / 2 \mathrm{lbs}$.
12 H 4701
Net 1.49
Same as above but 2 feet long.
12 H 4702
Net 2.49
CORDOMATIC PORTABLE OUTLET REEL


- 3-Way Electric Outlet
- 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 pults out to any de. sired length up to 15 feet ... locks into position... automatically retracts when the reel is not in use. 3-way outlet operates several appliances at once. Case: $61 / 2^{\prime \prime}$ dia.; $17 / 4^{\prime \prime}$ thick. 10 amps . Shpg. wt., 3 los. 13 H 8303

Net 7.50


Use indoors and out, with power tools, refrigerators, mowers, fans, etc. All are 16 gauge, 3 cond. cords have 3 prong plug. - 2-conductor $\$$-conductor.

| , | et | A | Shpg. wt. |  |
| :---: | :---: | :---: | :---: | :---: |
| 12 H 2501* |  |  | 2 |  |
| 12 H $1501{ }^{*}$ | 50 ft | 5 | 3 lbs | 2.99 |
| H 3402* | 100 ft . | 5 am | 3 lbs | 5.50 |
| H 3403 t | 25 ft . | 10 mm | $11 / 2 \mathrm{lb}$ | 2.89 |
| 12 H $2502 \dagger$ | 50 | 7 | 21/4 lbs | 4.95 |
| 12 M 3404 | 00 | 5 | 31 |  |

## ELECTRONIC LAMP DIMMER CONTROL



- Beautiful Simulated Walnut Grain Finish
- Full Range - Total Darkness to Maximum Brightness
- Use with Table Lamp. Pole Lamp - Any Lamps Up to 300 Watts
Dial the exact intensity of light desired. Provides the most flattering light to match changing moods and activities. Conveniently permits control of up to 300 watts of incan. descent light. Efficient electronic circult saves you money-pay only for the light you use. With 8 ft . cord and special plug/recep. tacle. For 120 VAC. Shpg. wt., 1 tb. 12 H 4302

Net 9.95

Similar to above except with OFF-LD-HIGH switch posltions. Can be placed anywhere. Just plug into wall outlef and plug lamp Into control socket. Remote control unlt may be used up to 8 ft . away. Lengthens bulb life and saves electricity. For 120 VAC. Shpa. wt., 802.
12 H 4201
Net 3.95

## LAFAYETTE ELECTRONIC LIGHT DIMMER CONTROL

- 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 con tinuous from off to full illumination. Push on or off at any light level. Fits into standard single gang wall box with. out 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 lt.
12 H 0101
ELECTRIC OUTLET CONTROL CENTER

## POWER CONTROL OUTLET BOXES



- 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 silver gray textured hammertone. Rated 15 amps. 130 V continuous duty. Size: $131 / 8 x$ $21 / 6 \times 15 \mathrm{~s}^{\prime \prime} ; 123 \mathrm{~m}^{\prime \prime} \mathrm{mtg}$. centers. 3-wire outiet has $10-\mathrm{ft}$. cord; 2 -wire with $6-\mathrm{ft}$. cord. UL listed. Shpg. wt., $21 / 2 \mathrm{lbs}$.
(A) INDIVIDUALLY SWITCMED OUTLETS. 4 onoff switches control 4 ouflets.
12 H 6753 2-Wire Outiets
Net 6.95 12 H 6754 3-Wire Outlets

Net 9.50
(B) SINGLE ON-OFF SWITCH. Controls 6 AC outiets. Bright pilot tight 12 H 6751 2-Wire Outlets

Net 6.95 12 H 5752 3-Wire Outlets

Net 9.50

## AC LINE CORD



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 oz.
12 H 3901
Net each 29


Adds 6 Extra Outlets ${ }^{\text {Wherever Needed }} 99$

- For Use in Home, 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 outlets 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. Shpg. wt., 1 lb .
14 H 2103 ........ Net 4.99
13 H 1170 Box of 510 -amp fuses.. Net . 36 13 H 1171 Box of 515 -amp fuses .. Net . 36


## CORD STRAIN RELIEFS

Package of 5 rubber cord strain reliefs prevents all standard line cords from pulling loose. Fits $3 /{ }^{\prime \prime}$ " holes for per. manent or temporary installations. Imported. Shpg. wt., 102.
99 H 6274
Net 29


# Flashlights-Lanterns-Fire Extinguishers 

## LAFAYETTE SUPER POWER SKYLITE



- 60,000 Candle Power Searchlight Beam
- Automatic Red Blinker
- Completely Waterproof Housing and Switches
- For Boaters - Campers . Truckers - Hunters
A deluxe, all-purpose searchlight which throws beams oier 1,000 yds. Specially de. signed $4^{\prime \prime}$ reflector concentrates beam to penetrate heavy fog, murky water. High impact plastic case and rugged switches are completely waterproof... ideal for skin divers. Three beam colors: White, Red, Green with separate switches. Dperates on 6 stan. dard stze " $O$ " cells. With bulbs, less batteries. Shpg. wt., 2 los. 99 H 9135

Net 7.95
Extra set of 3 bulbs for Skylite 99 H 9136

Net . 85
$11 / 2$ volt " $O$ " batteries. 6 required. 99 H 6256 Netea. .15

(A) OELUXE RECHARGEABLE FLASHLIGHT

Silm, handsomely styled, flashlight with strong spotight beam. Never needs batterles. Works on two long vasting 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. Size: $51 / 2 L \times 21 / 4$ " Olameter Lens. 12 H 6404 Shpg. wt., 1 lb .

Net 5.95
B DELUXE RECHARGEABLE FLASHLIGHT
Never needs batteries-ready for use. Recharge in standard home 110 volt AC outlet. 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: $51 / 4 L \times 2^{\prime \prime}$ W. Shpg. wt., 1 lb .
12 H 6402
Net 4 -39

## C RECHARGEABLE FLASHLIGHT

Always ready for use-no more batteries to buy. Simply plug into the nearest 110 V AC wall outlet-leave overnight-for a complete recharge. Self contained charger and cells need no service or replacement in normal use. $34 / 2 \times 142^{\prime \prime}$ overall. Imported. Shpg. wt., 6 ors. 14 H 2102

Net 2.99

JET ACTIDN HYDRO-PUMP FIRE EXTINGUISHER



231/4 LB. ORY CHEMICAL FIRE EXTINGUISHER

- $23 / 4 \mathrm{lb}$. Capacity - Rated 6 B:C Coast Guard, IGC, Marine Testing Institute and UL Approved
- Built-in Pressure Indicator
Powerful 274 lb. pressurized extinguisher meets marine and other requirements. Simple, low cost recharging. Easy onehand operation. Built in pres. sure indicator can be read at a glance. Non-toxic dry chemical won't injure fabrics etc. Tamper-proof lock. Meets Coast Guard and ICC specifications. UL listed, Rated 6 b:C. Corrosion resistant con. struction. 14H $\times 3^{\prime \prime}$ dlam. Shpg. wt., 5 lbs. 13 H 4504 Net 8.95 water cannot control, fust 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 "Qulck. Olsengage" wall mounting bracket and hard. ware. Imported. Shpg. wt., 2 lbs.
14 H 2106
Nel 2.99


## 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- $\pm 0.5 \%$ for High Range
An accurate hand sugar refractometer. Designed for accurate measurements of the percentage of sucrose or dissolved solids in solution. Particularly sulted to the sugar industry. Permits accurate measurements, in the field, of sugar percentage in fruits and vegetables. Equally suitable for use in the "juice" industry, in canning plant lab, candy, chocolate and jelly industrles, soft drink plants, breweries, argricultural as well as in other phases of chemistry and clinical pathology. Simple in operation-no moving parts except the focusing eyeplece. Completely color corrected optical train, perfectly clear lield. 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. Shps. wt., $11 / 2 \mathrm{lbs}$. 99 н 7036 L

Net 35.95

## DIRECT VISION SPECTROSCOPE



## - Focusable Field

A simple accurate instrument for the spectroscopic analysis of emission spectra from light sources, vaporized chemical salts, solids, Hquids and the Solar Spectrum. Convenient for experimental and student use. A broad dispersion fietd of high intensity is obtained from several dispersing prisms of matched glass, while a high grade optical system yields good resolution, sufficient to separate $5769.6 \mathrm{~A}^{\circ}$ from $5790.6 \mathrm{~A}^{\circ}$ in the spectrum of a fluorescent lamp. The silt 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-proot brass. Supplied in fitted case. Imported. Shpg. wt., 9 oz. 99 н 7077 L


An economical, compact, self-contained source of both short wave and long wave uttra-violet light of medium intensity. For lab, home and field use where high intensity is not required. Operates from either AC house current or batteries. Easily carried weighs only 1 1b., 14 0zs. Portabilitv extends its uses. Trpical applications: fluorescence demonstrations, mineral determination, prospecting. Special circuit has been designed for high efficiency, low drain operation. Tubes are easily replaced. Separate, extra large filters 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-violef radiation Comes complete ready for use-for $110-120$ volts $50 / 60 \mathrm{cps}$. AC Less batteries ( $2-45 \mathrm{~V}$ " $B$ " batteries required for portable use). Battery adapter case optional. Size: $51 / 2 \times 2 \times 81 / 2^{\prime \prime}$. Shpg. wt., 4 lbs. 15 M 4504

Net 29.75
Battery Adapter Case with adjustable shoulder strap. Shpg. wt., 2 Ibs. 15 H 4505

Net 7.75 45- Volt "B" Battery (2 required for battery operation). Shog. wt. 3 oz 32 H 4810

Net 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, invisitile dye, 10 yds, fluorescent elastic cord. 48-page "Story of Black Light" book of experiments. (Not illustrated). Shpg. Wt., $12 / 2 \mathrm{lbs}$. 15 H 4506

Net 7.95

- Automatic 5-Minute Time Switch
- Full One Pint Stainless Steel Tank and Worktop
- Power Control Dial for Low and High Power
- Completely Self-Contained


## 6995 No Money $\begin{gathered}\text { Nown } \\ \text { Dow }\end{gathered}$

Model LP-1MO. Completely self-contained ultrasonic cleaner capable of serving a variety of industrial and general cleaning applications. Automatic 5 -minute industrial time switch turns unit off when cleaning cycle is finished. Easy-to-handle size makes filling or emptying a simple operation. Stainless Steel worktop and sides protect unit against spills and splashes. Stainless Steel cleaning tank cannot be marred or harmed by any normal cleaning agent or solvent, warm or cold. Ideal for removing grease, tar, wax. sulphides, fluxes and fingerprints from components, miniature mechanisms. small instruments, and a variety of other precision parts. Tank size: one pint. Generator Freq.: 90 Kc., RF input power: 40 watts. Uses no tubes or transistors. Oimensions $91 / 2 \times 5 \times 45 /{ }^{\circ \prime \prime}$. See listing below for solvents. Shpr. wt., 6 lbs.
15 H $2302 \$ 5$ monthly
Net 59.95


- High Capacity-1/2-Gallon Tank

80 -watt Average Output Generator
No Money
Down
A new standard of time-saving. immaculate cleaning. A special transducer located in the solvent tank is exclted by an ultrasonic generator (at $90,000 \mathrm{cps}$ ). It sets the solvent in agitation, producing microscopic bubbles (cavitation) which disintegrate dirt particles. Soll can be removed from the finest crevices without damage to delicate parts. OiSONtegrator Ultrasonic Cleaner consists of a 80 -watt pulse generator and a $1 / 2$-gallon cleaning tank. Tank constructed of stainless steel with 4A grade polish. Speciflcations: Input 110.117V, 50/60 cycles; Output $90 \mathrm{kc}-80$ watts, avg., 320 walts peak. Generator size: $12 L \times 9 \mathcal{V}_{4} W \times 7^{\prime \prime} H$. Tank size: $61 / 4 L \times 7 W \times 61 / 2^{\prime \prime} \mathrm{H}$. Complete with $4^{\circ}$ 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., 18 lbs.
I5 H 8501wx $\$ 6.50$ monthly
Net 119.95

## 30-WATT ULTRASONIC CLEANER

For cleaning small manufactured parts - electrical contacts, contact lenses, dentures, bearings, jewelry, etc. Generator output 30 watts average, 120 watts peak. inside tank dimensions: $356 \times 35 \% \times 3^{\prime \prime}$ deep. 1 -pint capacity. Shpg. wt., 18 lbs .
15 H 8502WX $\$ 5$ monthly
Net 89.95

## 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 alf areas of ap. plied medicine. Polished stalniess steel tank size (inside): $123 / 4 \times 7 \times$ $81 / 2^{\prime \prime}$ high. Generator output: $90 \mathrm{Kc} @ 120$ watts average. 480 watts peak. 32 -page manual. Shpg. wt., 20 los.
I5 H 8503 wx $\$ 12.50$ monthly
Net 249.95
SONItizer( $(1)$ Uitrasonic Cleaning Chemicals. Shpg. wt., 9 lbs. per gat.


## 900X "ZOOM" STUDENT LABORATORY

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 Illuminato


A complete microscope laboratory for the student and enthusiast Provides all necessary material to explore the interesting field of microscopic research. The 900 X microscope offers various combinations of magnlfication from 100X to 900X with four objective lenses ( $10 x, 20 x, 40 x, 60 x$ ). Combined with the fine ocular which "zooms" from $10 x$ to $15 x$, the scope provides clear, sharp images. Tube movement governed by adjustable downstop with a locking screw... prevents costly slide breakage. The $900 x$ features an optical condensor, plano mirror and bulit-in 3 -volt light 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 bottles, alcohol burner). There are several prepared slides, blank slides, cover glasses, mounting balsam, Methylene Blue and Rhodamine stalns. Imported. shpg. wit., 7 lbs.
99 H 7195 Complete Microscode Outfit Net 19.95
99 H 7106 Replacement bulb $\qquad$ Net .11
99 H 6258 Battery ( 2 required)
$\qquad$ Net ea. . 10

## 80X TO 1200X Z00M MICROSCOPE



- 80X-1200X Magnification
- Variable Zoom Eyepiece
- 3-Way Substage Mirror
- Complete Set of Dissecting Instruments
- 4 Achromatic Objectives Lenses

Constantly varlable magnification of 80. $100,160,200,400,600,800$ and 1200 times. Zoom eyepléce for less specimen adjustment and controlled detail magnification. Excellent dual knob coarse and fine focus control. Stage includes optlcal condenser and aperture diaphram. Spring loaded rack prevents damaging objective. Substage Illuminator-mirror combination for direct, incandescent, or reflected illumination. Includes 2 prepared slldes, 4 blank slides, spafula, scalpel, probe, scissors, tweezers, and magnifylng glass. Wooden case with carrying handle. lituminator operates on penllght cells or house current, by means of a transformer. Less batterles. Imported. Shpg. wt., 6 lbs.
99 H 7140 20om Microscope
Net 19.95
99 H 7106 Replacement Bulb $\qquad$ Net 99 H 6258 Battery (2 required) Net ea. . 10 TRANSFORMER-Permits use of house current for illumination of zoom microscope.
99 H 7110 Shpg. wt., 802.


# 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 parallets the "Society" grade microscope. Four Muygenian eyepieces: $5 \mathrm{X}, 10 \mathrm{X}, 15 \mathrm{X}, \mathrm{P} 20 \mathrm{X}$ combine with four achromatic objectives: $5 x, 10 x, 40 x$, $60 x$ to yield 12 combinations: 25x, 50x, 75x, 100x, 150x, 200x, 300x, 400x, 600x, $800 x$, $900 \mathrm{x}, 1200 \mathrm{x}$. Duál 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 stides, pack of cover slips, tube of mounting fluid. All in a dovetailed wooden carrying case with handie and four rubber feet. Imported. Shpg, wt., 10 lbs.
99 H $7041 \$ 5$ monthly $\qquad$ Net 39.95


## MICRO-SLIDE PREPARATION TEKNIKIT ${ }^{*}$

- Complete-Compact-Portable
- Suitable for Advanced Studies Preselected slide preparations, instruments and apparatus. All the necessary implements for dissecting, staining and mounting micro-subjects on slides. High quality dissecting instruments. plated and polished, 25 "professional size glass slides ( $1^{\prime \prime} x 3^{\prime \prime}$ ) including well slides for live
 specimen observations. 50 cover glass slips. 50 blank identification labels. Mounting pins, balsam mounting fluid, methylene blue staining fluid, Dissecting Instruments include tweezers, chuck type probe, blunt end scissors, pipette, scalpel, spatula, and magnifying glass. All in a fitted compartmented wooden case. Imported. Shpg. wt., $11 / 2$ lbs. 99 H 7098 Net 3.49
- Use with any Microscope
- Furnishes Bright, Even Light Specially designed for microscope illumi. nation. Provides a bright, evenly lighted field of view, controlled intensity, by means of tocusable condenser lens. Lamp may be raised or lowered to any desired height on its $41 / 2^{\prime \prime}$ stanchion. Inclination and elevation joint permit swinging through $360^{\circ}$ in both horizontal and vertical plane. Fully adjustable for transparent or opaque specimens, direct or indirect illumination. Invaluable where oblique light is necessary. Operates on $110-120$ volts $A C / D C$. Lamp is easily replaced. Self-contained switch, cord and plug. Lamp body is $51 / 2^{\prime \prime}$ long, stand is $51 / 2^{\prime \prime}$ high including base. Imported. Shpg wt., 1 lb .
99 H 7024
Net 2.95
99 H 7111 Replacement Bulb
Net 39


## MICRO-POLARIZING KIT

## - Makes ANY Microscope a Polarizing

 MicroscopeA 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 polarizing axis. Supplied complete with instructions and filted, dustproof case, Imported, Shpg, wt., 6 ozs. 99 H 7136


## ${ }^{\circ}$ Research Equipment

## VIT The Miero-Standard Wark II"



- $25 X$ to $1500 X$ in 12 RANGES
- 4 ACHROMATIC OBJECTIVES IN ROTATING TURRET
- VARIABLE SUBSTAGE CONDENSER WITH IRIS DIAPHRAGM
- STANDARD SOCIETY OPTICS, BOTH OBJECTIVES AND EYEPIECES
- RIGID QUALITY CONTROL STANDARDS
- par focal within 0.1 mm



#### Abstract

An unusually fine optical instrument designed especially for precision viewing requiring high magnification with an oll immersion lens. The outstanding features of great range and engineered versatility, optimum clarity and great magnifica. tion are usually found in microscopes costing much more. OPTICAL SPECIFICATIONS: Three Huygenlan eyepleces- $5 x .10 x, 15 x$, four achromatic objectives- $5 x, 10 x, 40 x$. $100 x$ (oll immersion). FOCAL LENGTH: 170 mm . Monocular, FOCUSING: Coarse focus with adjustable tension. Fine focus vernier adjustment. Par-Focal within $1 / 2$ rotation of fine focus control ( 0.1 mm .). Spring loaded safety device prevents objective going through slide. STAGE: Square stage: $95 \mathrm{~mm} \times 95 \mathrm{~mm}$. Integral mechanical stage, adjustable in any direction. Stage clips. SUBSTAGE: Focusing condenser with varfable irls, diaphrapm. 41 mm plano/concave mirror. Tilting Base. Black and chrome finish. Overall $12^{\prime \prime}$ hlph. $_{\text {a }}$ $612^{\prime \prime \prime}$ deep, $41 / 2^{\prime \prime}$ wide. Includes fitted wood cabinet with lock and key, 3 slides. bottle of cedar oil. Imported. Shpg. Wt., $111 / 2 \mathrm{lbs}$. 99 H $7134 W X \$ 5$ monthly Net 89.95


## Miera-Plex-Binocular:Monocular Research Microscope

- 20x to 2000x Interchangeable Binocular/Monocular Tubes - Quadruple revolving nosepiece


No Money Down
An outstanding instrument with features of construction and design that will. without reserva. tion, be appreciated by competent experts.

OPTICAL SPECIFICATIONS: FOUR achromatic, coated objectives $4 x /$ 0.15 n.a., $10 \times / 0.25$ n.a.. 40 X / 0.65 n.a., oll immersion 100 X / 1.25 n.a. Eight paired eyepleces. Two each $5 x$ Huygenian, 10x Huy. genlan, 15 X peri-planatic, 20 X Kellner. Dust proof quadruple re. volving noseplece.
FIELO SIZE: Fleld is 4.7 to 2.0 mm for the 20X to 80 X range, 1.88 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 $500 x-2000 x$. Taken at 170 mm focal length. BOOY: Interchangeable Binocular tube incilned $45^{\circ}$, graduated interpupiliary adjustment, left eyetube adjusts for refractive differ. ence between eyes. Monocular is extendable, graduated from 140 mm to 190 mm . Parfocal at 170 mm . STAGE: 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 . Slides of practicatly every shape and size, Including petrl dishes, can be used.

FOCUSING: Coarse focus by means of coaxial rack and pinion drive on dovetali slide. Fine focus by coaxial micrometer slow motion Meyer's type adjust. Graduated 1 division equals $.002 \mathrm{~mm}(2$ micron intervals).
SUBSTAGE: Rack and pinion drive. Double lens bright field coninser (interchangeable) 1.2 n.a. Iris diaphragm. Filter holder, s $\rightarrow p$ against over-wind, 50 mm plano-concave mirror.
Satin black enamel flinish. Chrome trim. $131 / 2 \times 81 / 2 \times 51 / 4 "$ overall. Net welght 34 lbs. Includes fitted cabinet of fine grained oak with lock and key, 5 cc of cedar oil, spring clips, spanner, blue fllter. Imported. ShDg, wt., 42 Jbs.
99 H:7040 WX $\$ 15$ monthly
Net 299.95

## -Medical-Bacteriological Microscope



- Standard Society Size
- 20x to $1500 \times$
- Vernier calibrated mechanical stage
- Extendable Monocular Tube
- Par-focal at 170 mm tube length


No Money Down
Outstanding design-features unexcelled optically and mechanically and priced far below any equivalent instrument.
OPTICAL SPECIFICATIONS: Four coated achromatic objectives. $4 X /$ 0.10 n.a., $10 \times / 0.25$ n.a... $40 \times / 0.65$ n.a., oil immersion $100 \mathrm{~K} / 1.25$ n.a. Three eyepleces, $5 x$ Huygenian, 10x Huygenian, and 15 X peri. planatic.
Booy: Extendable, monocular tube. Graduated from 155 mm to 200 mm . Parfocal at 170 mm .
STAGE: Square stage $\mathbf{1 2 0} \mathrm{mm} \times$ 125 mm . Graduated mechanical stage with $50 \mathrm{~mm} \times 80 \mathrm{~mm}{ }^{\text {range. }}$ vernier accurate to 0.1 mm .
FOCUSING: Coarse focus by means of rack and pinion drive on dovetall 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 fleld condenser (interchangeable) 1.2 n.a., iris diaphragm, filter holder. stop against over-wind, 50 mm planoconcave mirror. $121 / 2 \times 81 / 2 \times 51 / 4 "$ overall. Net weight 21 Pbs . Includes fitted cabinet, 5 cc of cedar oll. spanner, spring clips, blue filter. Imported. Shpg. wt. 29 lbs .
99 in 7039Wx $\$ 9$ monthly
Net 179.00

# Microscopes and Accessories 

750X ZOOM MICRO-LABORATORY

- Any Magnification from 100X to 750X
- Complete Assortment of Accessories
- Molded Attache Type Storage/Carrying Case

Open the way to the exciling wortd of microscopic research and observation with "Micro-laboratory," a complete research lab featuring a powerful Huminated "zoom" micro. scope and an assortment of specialiy selected chemicals and accessories. Versatile $81 / 2$ " high "Z00m" microscope with bullt-in illuminating light provides clear. sharp images on a wide, undistorted field of view - magnifies from 100 x to 750 x ! Sturdy slide stand construction prevents slide movement and allows for steady, detalled viewing. Set includes a 6 -plece dissecting kit, eleven blank slides, 2 test tubes, a glass beaker, an alcohol burner, a package of cover slips, and, to start you off on some really exciting experiments, you will recelve one prepared slide, 2 dry micro-specimens. a frog, brine shrimp eggs complete with hatchery, sea salts, 7 -assorted stalns and fixatives plus a comprehensive 19-page instruction booklet. Complete outflt comes in a handsome molded attache type carrying case 99 H 7214 Imported. Shpg. wt., 7 lbs. .............. 16.95 99 H 6258 Battery (2 required) ................Net ea. . 10


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TEKNIKIT ${ }^{*}$

## $10^{95}$

- 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 H 7132

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- With Graduated Scales
- Vernier to $1 / 10$ th mm
- Attaches to Aný 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 mm . 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 H 7087 Imported. Shpg. wt., 12 ozs.

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 How to prepare and study cultures - set up a micro. scope 200 and garden - grow micro organism perform micro surgery. Illustrated with photographs and drawings. to H 6002
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"MICRO'DAPTER"TM

- Micro-photography!
- Astro-photography!
- Inexpensive-Accur-ate-Easy to Use - Use Any Camera/ Microscope or Cam. era/Telescope Setup - Photo-record Your Observations

Permits the use of any camera-even movie cameras-with practically 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 Society size microscopes. The MICRO'DAPTER may be used with any telescope by attaching to eyepieces of 29 mm ( $15_{z_{2}^{\prime \prime}}$ ) maximum diameter. Imported. Shpg. wt., $11 / 2 \mathrm{ibs}$.
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Net 12.98

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- 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. Adjustable holder takes any slide up to $90 \mathrm{~mm} \times 50 \mathrm{~mm}$. Essential for methodical examinations such as is required under an oll 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 $1 / 20$ th mm . All slides can be chartered by means of the co-ordinates of these scales. Spring clip automatically fits the slide into proper position. Supplied with fitted wooden case. Imported. Shpg. wt. 1 lb .

## 99 H 7038L

Net 19.95

## MICROSCOPE STAGE

## MICROMETER

## - Graduated to $1 / 100$ MM

Measures microscope field sizes - used for call. brating and standardizing micrometer eyepieces. Fine polished glass slide, $75 \mathrm{~mm} \times 25 \mathrm{~mm}$ has a 1.0 mm scate with 100 graduations ( 0.01 mm ) ruled directly on it. Each fifth and tenth callbration is a larger line to aid in measurement. The lines are stained black and protected by a cover glass. Complete in hinged case. Shpg. wt., 6 ors.

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& \text { er for call. } \\
& \text { er eyepieces. } \\
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& \text { llbration is a } \\
& \text { The IInes are } \\
& \text { cover glass. }
\end{aligned}
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## Telescopes



No Money Down

- 320x with Barlow Lens


## 2.4" EQUATORIAL REFRACTOR

- Eyepleces for 160x, 88x, 40x, Barlow Lens gives 320x, 176x, 80x - $800-\mathrm{mm}$. focal length - $\mathbf{6 2 - \mathrm { mm }}$ objective Micromotion adjust. ments on both azes - Coated optics throughout Equatorial mount Objective: Fraunhofer-type achromat, hard coated, $62.5-\mathrm{mm}, 800-\mathrm{mm}$. focal length. Collects about 75 times as much Ught as the naked eye, resolving power 2 seconds, faintest discernible star 10.7 magnitude. Eyepieces are hard-coated Huygenians. 160 x ( $5 \mathrm{-mm}$ ), 88x ( $9-\mathrm{mm}$ ), $40 \mathrm{x}(20-\mathrm{mm})$. Barlow Lens included give ranges of 320 x , $176 x$ and $80 x$. Finder scope is $6 \mathrm{r}, 30-\mathrm{mm}$. Tripod head with latitude adjustment. Clamp tever 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 H 7032 WX $\$ 5$ Monthly
$4 . \mathrm{mm}$, orthoscopic eyepiece for 200 x
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## Astra 3aame 2.4" Zoom Refractor



## Only

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- 100X Plus Zoum Eyepiece For 20 to 80 X
- Coated 60 MM Objective
- Variable Tension Alt-Az imlth Mount

An outstanding optics buy that combines a sharp 2.4 inch refractor with a zoom objective to provide an infinite range of possible magnification powers. Suitable for the beginner or amateur astron. omer. 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 $50^{\circ \prime}$ wood tripod permits use on uneven surfaces. Specs: Objective Dia.: 60 mm . Focal Length: 400 mm . Zoom Eyepiece: 20.80 X . Fixed Eyepiece: Huygenian $4 \mathrm{~mm}(100 \mathrm{X})$. With stand, sun filter, 200 m and fixed eyepleces. Imported. Shpg. wt., 20 lbs.
99 H 7213 WX $\$ 5$ Monthly
Net 49.95
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$189^{00}$
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- 454 x with Barlow Lens


## RESEARCH

## QUALITY 3" EQUATORIAL REFRACTOR

- Viewfinder Seope $25 x, 42-\mathrm{mm}$ - $910-\mathrm{mm}$ Focal Length - 76.2mm Clear Aperture - Micromotion Controls for Declination and Right Ascension - Resolving Power: 1.6 - Barlow Lens Included The objective lens is a $79-\mathrm{mm}$, hard coated, air spaced Fraunhofer achromat with a clear aperture of $76.2 \mathrm{~mm}\left(3^{\prime}\right)$. Focal length $910 \cdot \mathrm{~mm}$, focal ratio $1 / 12$, resolving power $1.6^{\circ}$. Seven coated eyepieces for $227 x, 152 x, 101 x, 73 x, 45 x, 35 x$, plus $25 x$ through the viewfinder. Barlow lens doubles all ranges. Focusing by micro-precise rack and pinion drive. The viewfinder scope has a $42 \cdot \mathrm{~mm}$ objective - $500 \cdot \mathrm{~mm}$ focal length-rack and pinion focusing - and will accommodate various eyepieces. Finely calibrated hour and declination circles for rapid finding and setting. Body tube of white enameled aluminum. Accessories include three sunglasses, moonglass, two star diagonals, sun diagonal, erecting prism, sun projecting screen, extensible field tripod, chain brace, accessory shelf, wooden cabinet. Via EXPRESS 99 H 7053 WX \$10 Monthly Imported. Shpg. wt., 60 lbs Net 189.00


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## One Control Zooms both barrels !

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Basic Aid for Students and Teachers of Astronomy

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## 20X 40 mm

## SPOTTING SCOPE

- Portable, Compact Lightweight
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Extremely attractive spotting scope with 40 mm coated lens. A complete assortment of accessories makes it ideal for use everywhere by everyone. Complete with black, zippered carryIng case with belt loop, elevator table tripod with rubber-tipped legs, tripod adapter, pistol grip with convenient wrist strap, car window adapter. Overall length of scope, $101 / 2^{\prime \prime}$. Imported. Shpg. wt. ${ }^{3} \mathrm{lbs}$. 89 H 7193
15-30X Z00M SPOTTING SCOPE

## - Full Size 50 mm Objective

Any power from 15x to 30x! Ideal for any "Spolting" Need. Pan-head, elevator tripod mount included. Periect all round scope. Powerful, small lightweight, brilliant view. ing. All aluminum and chromed brass. imDorted. Shpr. wi.. 5 lbs.
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- Voltage 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 requirements. Ball bearings afford maximum efficiency. Transparent plastic brush housingemovable brushes-tubular form. Overall size $23 / 4 L \times 1^{\prime \prime} D$. Shaft $火_{2}$. Weight $23 / 402$ Recommended for industrial and laboratory development work. Used in remote control devices, models, displays, etc. 6 oz .
19 H 8015 Imported from Belgium Net 2.69

## Net 17.95

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- AERONAUTICS
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99 H 9001wx
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## 8-25X 30mm ZOOM SPOTTING SCOPE



Any Power from 8 X to 25 X

- Quick, Fingertip Focusing
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- Wind Direction and Velocity on One Dial - Indicates Velocity from 0 to 100 mph
- New "Gyro" Design Starting Speed 5 mph - Accuracy for Speed $\pm 5 \%$ a precision velocity/direction system designed to register wind -no outside power source is rectial. Completely self contalned may be mounted on any sultable elevated positlon ter assembly $114^{\prime \prime} 0.0$. pipe or mast. Indicating unit can position, Utillizes any on a desk. The indicator is housed in a handsome mounted or set $51 / 2 \times 21 / 2 \times 77^{\prime \prime \prime}$, finlshed in black and gold. Highly legible dial face plus third scale for for speed, 0 to 25 M.P.H. and 0 to 100 M.P.H. specially treated steel. Self contained pattery of aluminum and when reading wind direction. Simple installater-no drain except sign for maximum stability and minimstallation. New "Grro" dewith 60 ft . of 5 conductor, and minimum wind loading. Complete Instructions. Imported. Shpg. wt., 15 lbs cable. $11 / 2$ volt battery and 9s H 9007wx 32 H 5901 Shpg. wt., $21 / 2 \mathrm{lbs}$.

Net per 100 ft .4 .95

## (A) EXECUTIVE WEATHER CONSOLE

## - Thermometer - Barometer <br> - Hygrometer

Early American motif with luster gold bezels, spun gold dials and twin-arrow red points. Rich, red velvet color background, antique white outer case with cortico crest and gold eagle, Measures temperature, humidity and air pressure. For wall hanging. $11 \%$ WX 5\%/6"H. Shpg. wt., 3 lbs.

## 13 H 1605

Net 9.50
Desk Weather Station. Similar to above tess portico crest and gold eagle. With desk mount 13 H 1609

## OOUBLE THERMOMETER-BARDMETER-HYGROMETER

- Complete Weather Station

Handsome combination weather station with spun, gold dials on a rich, solld walnut wood grain wall panel. Easy to read double thermometer features both fahrenheit and centigrade scales. Hygrometer gives accurate humidity readings on both percentage and "dry. moderate, humid" scales, while precision barometer shows ir pressure in both inches and millibars, $51 / 2 \mathrm{~W} \times 20^{\circ \mathrm{H}}$ 13 H 1608 Shpg. wt., 2 ibs.

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## decorative wall thermometer

Smartly styled double thermometer featuring large, easy-to-read fahrenheit and centigrade temperature scales. Has bright spun gold bezel on a decoratlve wood grain wall panel. 13 H 1607 shpg. wt., $3 / 4 \mathrm{lb}$.

## (0) DECDRATIVE WALL HUMIDITY INDICATOR

Rich gold bezel on a handsome wood grain panel. Precision in. as "dry, moderate or humid" as "dry, moderate, or humid" weather comfort zones. 13 H 1606 Shpg. wt., $3 / 4 \mathrm{ib}$.

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## RAIN GAUGE

Precision rain gauge designed to give accurate rainfall records. Unique "chisef" shape permits recording of minute quantities. Easily operated cumulative rainfall Indicator. Scale graduated up to $51 / 2$ inches. Scales 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 $212^{\prime \prime}$. Shpg. wt., 8 oz . 13 H 1601


For weather enthusiasts-gardeners-farmers, etc. Gives three readings at a glancemaximum, minimum and present temperatures. Self-registering - no knobs-magnets -or push buttons needed for reset. Mag. nlfying lens case for ease of reading. Maintains automatic check on temperature varia. tions. Makes you the local weather expert. Shpg. wt., 1 lb .
13 H 1603
Net 4.95
REMOTE REAOING THERMOMETER. Same as above but with remote for comfortable in. door reading of outdoor temperature. Includes mounting bracket and instructions. 13 H 1604

## IN - OUTDOOR

Prices \& Specifications Subject to Change Without Notice.

## Shows Inside and out

 side temperature from the comfort of your room. Inside location Ideal for quick easy reading. Single scale for Instant comparison. Modern plastic case. $8 x$ $24 / 2 \times 48^{\circ \prime}$ long copper caplllary tube and bulb. large numerals for easy reading. No moving Darts to become worn.

13 H 1602 Shpg. wt. 1 lb.

## POCKET THERMOMETER

## "SLIDE RULE" HUMIDICATOR

- Slide Rule Readings - No Computing
- No Conversion
- Ease and accuracy

Fastest and easiest method of determining relative humidity. With the cursor (slide) set on the temperature, the relating humidi. ty is read directly off the humidity graph. The "humidicator" graph is callbrated in increments of $2 \%$. Both thermometers are calibrated in increments of $2^{\circ}$ from $20^{\circ} F$


Ideal for the laboratory, factory, etc. Mercury type-total Immerston. White scale with black numerals. Sub-divided by $2^{\circ}$ F. Polished nickel-plated case; tube length $542^{\prime \prime}$. Shpg. wt., 402.
15 H 4801 Range: $-30^{\circ}$ to $120^{\circ} \mathrm{F}$. Net 2.95 15 H 4802 Range: $0^{\circ}$ to $220^{\circ} \mathrm{F}$.. Net 2.95
to $120^{\circ} \mathrm{F}$. 8ackground colors chosen for easily readibility. Overall size, including cistern is $131 / 2 \times 33 / 4^{\text {n }}$. Mounted on mahogany board with provisions for hanging. Imported. 99 H 9006 Shpg. $\mathbf{w t}$., 1 lb .


# DAY AND DATE CALENDAR WATCH 

- Automatically Changes the Day and Date
- Sweed Second Hand


## SWISS MADE

- With Expansion Band



## SELF WINDING 17 JEWEL AUTOMATIC DAY AND DATE CALENDAR WATCH $29^{95}$ SWISS MADE

 - Elegant Expansion Band Just set it-forket it! Winds Itself automatically. Precision, Swiss made 17 jewel watch is shock resistant and antimagnetic. Tells time, date, and day, which changes automati. cally. Beautiful gold tone case with stainless steel back and matching expansion band. Has attractive white dial face with gold numerals and red date and day, sweep second hand. Shpg. wt., 8 ors. 13 H 3122 LT 13 H 3122 LT , Ne note below.Mail order see

Net 29.95
17-JEWEL WRIST ALARM WATCH $29^{95}$ SWISS MADE - Automatic Reminder Anytime / Anyplace
Elegantly styied wrist alarm has a dependable 17-jewel Swiss move. ment in a water and shock-resistant case. Features a radium dial and hands with raised gilt figures; sweep second hand; genuine leather strap; unbreakable malinspring: anti-magnetic. Shpg. wt., 8 ozs. Stainless Steel Case 13 H 3114 LT

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Tell time, day, and date at a glance with this elegantly styled, Swiss made men's calendar watch day and date change automatically at midnight! Beautiful shock protected gold tone case with matching expansion band. Handsome white dial face with bright gold numerals with red date and day, provide a smart dressy appearance. Features precision Swiss movement and unbreakable mainspring for vears of accurate. deDendable service. Also has convenient sweep second hand. Shpg. wt., 8 ots. 13 H3121it Mail order see note below


## 17 JEWEL CALENDAR WATCH 1595 SWISS MADE

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- Changes Date
} Automatically
Handsome, accurate timepiece feauring a 17 jewel precision Swiss movement with unbreakable main. spring. Housed in bright chrome case with stainless steel back and expansion band. Date changes automatically every day. Has attractive white dial face with numerats, luminous hands, and convenient sweep second hand. Shock resistant. anti-magnetic construction. Wt. 8 oz.
13 M 3120 LT ..................
Mall order see note below
17-JEWEL DOUBLE-BUTTON
CHRONOGRAPH WATCH $29^{95}$ Precision Movement
- Ideal for Sports-Science-etc.
17.jewel movement with unbreak. able main spring. Features tach. ometer to measure speed and telemeter to measure distance of sound. Radium dial and hands; raised gilt figures; anti-magnetic; genuine leather strap; sweep second hand. Shock and water.resistant case with chrome stainless steel back. Shpg. wt., 1 lb .
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ATTENTION MAIL ORDER CUSTOMERS-ON ALL ITEMS SHOWN ABOVE WITH STOCK NUMBERS ENDING IN "T" PLEASE ADD 50c FOR POSTAGE AND SPECIAL HANDLINGNO C.O.D.


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CORDLESS ELECTRIC PENDULUM CLOCK $14^{95}$

- Operates a Year on Flashlight Battery Fresh new approach to an old favor-ite-Battery operated with a swing. ing pendulum. Pendulum is both decorative and an integral part of the time keeping mechanlsm. Wood case is birch finished 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
 Shpg. Wt., 3 lbs.
13 H 3050 W
99 H 6256 Battery for above .. 11.95
.15
13 H 3050 W ........ Net 11.95
99 H 6256 Battery for above .. 15


Handsome pendulum clock in walnut finished hardwood with contrasting ebony line design. Features unique two piece construction with smart, trim hands on a white dial face. Sleek golden pendulum is an Integral part of the precision time keeping mechanism. No cord, no plug, never needs winding! Dimen. sions: $211 / 2 \times 10^{\prime \prime} \mathrm{W}$. Shpg. wt., 6 lbs. 13 H 3051W Net 14.95 99 H 6256 Battery for above Net .15

## SPORTSMAN'S WATCH

## SWISS PRECISION CRAFTED

## - Pressurized Waterproot Case <br> - Automatic Daify Calendar

Handsome wisiwatch especially designed for the sportsman who is apt to get his watch wet - fishermen, hunters, or shin divers. Hermetically sealed pressurized waterproof case provides maximum protection for precision timing under adverse conditions. Movable outer bezel permits easy timing of events, parking meter time, or elapsed sub. merged time. Swiss crafted anti-magnetic

As low as

- Parking Meter Time Diving Time.
- Luminous Marker and Hands shock protected movement features automatic daily calendar, unbreakable mainspring, and sweep second hand. Luminous hour mark ers and hands for high visibility. Pollished chrome case, stainless back, and comfortable waterproof strap. Imported. Shpg. wt.. 802. 13 K 3118 LT

Net 11.95
Same as above but with 17 jewel movement. 13 H $3119 L T$

## PRECISION-SWISS STOP WATCHES

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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.
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Same as 13 H 3103 (above) except 1 jewel.
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(B) $1 / 5$ SECOND TIMER

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Second hand registers $1 / 5$ of a second and completes turn in 60 sec onds. Small hand indicates up to 30 minutes. Side slide starts and stops hands. Fast resetting dependable 7 -jewei movement. Shpg. wt., 8 oz. Imported.
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## (C) TRACK TIMER $1 / 10$ SECOND

Net 10.95
Net 9.50
Excellent for athletics. The second hand indicates tenths of a sec: ond 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. Shpg. Wt., 802 . Im ported.
13 H $3106 L T$ Mall Order - See Note Below Same as 13 H 3106 (above) except 1 -jewel.
13 H 3107 LT Mail Order - See Note Below
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(D) DECIMAL TIMER

Net 10.50
Ideal for industrial time studies. Easy-to-read outer dial divided in $1 / 100$ of a minute registers up to one minute.Inner dial graduated in minutes, 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 tlmer. Depend. able 7 -jewel movement. Swiss made. Shpg. wt., 8 ozs. 13 H 3101 T Mall Order - See Note Below


ATTENTION MAIL ORDER CUSTOMERS-ON ALL ITEMS SHOWN ABOVE WITH STOCK NUMBERS ENDING IN "T" PLEASE ADD SOC FOR POSTAGE AND SPECIAL HANDLING-
NO C.O.D.

PEDOMETER


Shows You How Far You Walk!
oo you walk a lot? Want to know how far? 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 ankie strap and instructions. Weighs $21 / 2 \mathrm{oz}$. Made in West Germany. shipg. wt., \& ox. 12 H 5100 L

Net 4.49


## 24-HOUR ELECTRIC WORLD CLOCK

- $8^{\prime \prime}$ Overall diameter
- Adjustable for Various Time Zones
- South Polar Projection

Self starting, accurate efectric clock. Tells wortd-wide and local time. Calibrated in hours - 1 to 24, minutes and seconds - 1 to 60 . Black dial with white graduations. Chrome plated case. UL listed. $110-120 \mathrm{~V}$. 60 cyc . AC. 13 H 2602 Shpg. wt., $12 / 2 \mathrm{lbs}$. Net 6.95


## PEDOMETER

- Range 0-25 Miles
- Ideal for Hikers.

Salesmen, Efficiency Experts, etc.
Fine quallty 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 13 M 31121 distance traveled. Shpg. Wt. 8 oz . 13 N 3112 L
w. 802.
Net 5.49

## TV LAMP CLOCK

$9^{95}$
ideal for use on a NV cabinet. in the tultchen or baby's room. Provides soft IHumination and precise time. Attractive sturdy plastic case with zold trim. Size: $4 \times 7 \times 37 /{ }^{\prime \prime}$ Deep. Shpg. wt. $34 / 2$ tbs. UL Iisted. 110 V . 60 cycles.
14 H 6001 Walnut ….. Net 9.05 14 H 6002 White ….... Net 9.95

549


# Magnets For Lab, Industry And Workshop <br> LABORATORY MAGNET KIT 

## POWER MAGNET

- VERSATILE

Made of Alcomaxmaterial 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 $1 / 6 \mathrm{Hx} 1^{1 / 80} 1^{13 / 4} \mathrm{~W}$. Distance between poles is $7 / 8^{\prime \prime}$. Imported from England. 14 H 3302 Shpg. wt., 1/2 lb.

Net 2.75

## BUTTON MAGNETS



A special "Alni. co" button care fully designed to produce a highly efficient magnetic field. Attachable to any non-ferrous material by non-magnetic screws. Ideal for use most everywhere as magnetic fasteners. Supplied with plated heeper. Imported from England. Avg. shpg. wt., 302.

| STOCK MO. | HEIGHT | DIA. | MTG. hole ola. | NET EA. |
| :---: | :---: | :---: | :---: | :---: |
| 14 H 3309 | 3/3 | 3/2" | "10" | . 49 |
| 14 H 3310 | v/2 | 1/4" | Kı" | . 69 |
| 14 H 3311 | 560 | $1 "$ | $\chi_{0 \prime \prime}$ | . 99 |
| 14 H 3312 | $1^{\prime \prime}$ | 12/4" | $1 /{ }^{\prime \prime}$ | 1.99 |

## MAGNETIC STRIP



Flexible-Versatile. Permanent Magnet

Flexible, extruded plas. tic strip. impregnated with Barium Ferrite magnetic powder. Can be cut with a knite scored and broken by hand, drilled, nafled, screwed or glued in place. Dividing the strip does not damage magnetic properties. Strio measures $x_{0}$. wide by thick. Pull is 3 o2s. per inch length with $.000^{\circ} \mathrm{Bap}$ (no intervening material) to 1.5 02. per in. with a $.015^{\prime \prime} \mathrm{gap}$. Used for mag. netic closures, holders, locators. conveyors, displays, collectors, buffers, lifters. Will bend to a $3^{\prime \prime}$ circle, at room temperature. without breaking.
3 ft . length. Shpg. wt., 8 ozs. 14 H 3307
th, Shpg, wt., $12 / 2$ lbs.
12 H fen
Net 1.79
Net 5.95

## MINERAL TEKNIKIT VOL. 1 <br> 

Forty-eight specimens, pre-selected to If lustrate cleavage hardness, color, luster, specific gravity, crystal form, etc, Contains specimens of ore, organics, fossils, ele. ments, plutonics, oxides, volcanics, hyp. abyssals, effusive crystals, common and uncommon minerals. Each specimen is tagged and removable from its correspondingly tagged and named compartment. Specimens are named as well as ment. Specimens are named as well as
classified. An excellent introduction to rock and mineral identification. Handy reference for the advanced "rock hound." Especially useful in the study of mineral. ogy, petrology, geology, and physlography. Imported. Shpg. wt., 1 ib.
99 H 7155


Specially designed for schools, laboratories, and techniclans demonstrating the magnetic prop. erties of permanent magnets. Fine hardwood case contalns a pair of bar magnets $2^{\prime \prime} \times 1 / 2^{\prime \prime}$ diam., a horse. shoe magnet $130^{\prime \prime}$ high $\times 1 K_{0}^{\prime \prime} \times 3 / 0^{\prime \prime}$ deep with $x_{0}$ " spacing between poles, and a bridge magnet $\mathrm{Ka}^{\prime \prime} \mathrm{high} \times 7 / \mathrm{a}^{\prime \prime} \times \mathrm{K}_{0}{ }^{\prime \prime}$ deep with $1 / \mathrm{h}^{\prime \prime}$ spacing between poles. Imported from Eng. land. Shpg. wt., $11 / 2 \mathrm{lbs}$.
14 H 3301
Net 6.50


Powerful and compact units assembled in mild steel pots and held by aluminum retaining and insulating rings. Steet Pot can easily be machined to sult indlvidual size requirements. Very versatile. Designed for mapnetic holding and lifting applications. Imported from England. Avg. shpg. wt., 8 oz.

| STOCK NO. | HEIGHT | DIA, | TAPPEO HOLE | NET EA. |
| :---: | :---: | :---: | :---: | :---: |
| 14 H 3304 | 5\%" | 11/6" | 10 N.S. | . 89 |
| 14 H 3305 | $3 / 4{ }^{\prime \prime}$ | 1\%6" | 10 N.S. | 1.05 |
| 14 H 3306 | $1 "$ | 1\%" | 10 N.S. | 1.59 |
| 14 H 3313 | 1K6" | 170 | 10 N.S. | 2.85 |



- Develops up to 144 lbs. Pull

New magnetic holdfast provides an inexpen. sive method of clamping components for as. sembly. Holdfasts are carefully designed and constructed. Uses a powerlul alcomax magnet located in a milled steel body. Units are provided with a convenient jack-off screw. Useful to bulld up welding and fab. ricating llgs. It may solve many of your holding and positloning problems. Supplied with a plated keeper.

| STOCK NO. | HT. | D1A. | L8S. MAG SHPG. PULL WT. | NET |
| :---: | :---: | :---: | :---: | :---: |
| 14 H 3317 | 3" | 114" | 40 21/2 | 7.95 |
| 14 H 3318 | 3\%" | 11/2" | 603 | 9.95 |
| 14 H 3319 | $37 / 4{ }^{\prime \prime}$ | 20 | 1446 | 15,95 |

MINERAL TEKNIKIT VOL. II

volume II of Lafayette's popular Mineral "Teknikit." Includes specimens of Carbonates, Tantaline, Phosphates, Gemstones, as well as additional Plutonics, Volcanics, Sulphides, Metamorphics, Silicides. Oxides and many others. Specimens are taged and in marked compartments. The entire collection is indexed for type and classilication. Forty-eight specimens. Imported. shpg. wt., 1 lb .
99 H 7156
Net 2.50
special Combination. Buy both volumes and save. You get all 96 specimens. Shps. wt., 2 lbs.
99 H 7157 M


POCKET MAGNET
An Alnico magnet useful for Inspec. tion of hardware to sort steel from brass, as a re. triever of small parts. Highly efficient Size $1 H \times 11 / 8 x$ " ${ }^{\prime \prime}$. $1 / a^{\prime \prime}$ between poles. With plated teeper, Shpe wt., 302.
14 H 3303 imported from England - Net 79 SHALLOW POT MAGNETS Strong flat alcomax mag. nets assembled in mild steel shells. Especially for use in confined spaces where a smaller back-to-front dimension is desired. Cored with a countersunk hole for screws or bolts. Imported from England. Avg. shpg. wt., 302.

| STOCK NO. | HEIGHT | OIA. | $\begin{aligned} & \text { MTG } \\ & \text { HOLE } \end{aligned}$ | NET |
| :---: | :---: | :---: | :---: | :---: |
| 14 H3314 | K*" | $3 / 4^{\prime \prime}$ | 4 B.A. | . 89 |
| 14 H 3315 | 36" | 118" | $2 \mathrm{~B} . \mathrm{A}$. | 1.09 |
| 14 H 3316 | K。" | $11 / 2^{\prime \prime}$ | 2 B.A. | 1.55 |

MAGNETIC HOOK SET


These holders can be used anywhere there is steel for the magnet to attract. Eliminates the job of drilling holes and fastening hooks permanently. Magnetic hooks may be removed without leaving holes or marks. Shpg. wt. 401. 14 i 7002

Net 49

## MAGNETIC COLOR CLIPS



Each color coded clip with a permanent, non-scratching magnet has hundreds of uses. Holds to any steel surface . . . file cabinets, desks, 3utos. Shpg. wt., 6 oz.
13 H 1504
pkg. of 4 Net .79
MAGNETIC CLIP SET


Handy magnetic clips can be attached to any steel surlace. Will hold papers, drawings, notes and many other assorted objects. Useful for home, office, or workshop. Instant mounting without drilling holes
14 H 7003 Shpg. wt., 6 oz .
Net .59

## MAGNA GRIP MAGNETIZER HOLOER



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)

| Stock Mo | Length | Finish Color | Shpr. Wt, | Net pa. |
| :---: | :---: | :---: | :---: | :---: |
| 14 H5401 | $10^{\prime \prime}$ | White | 3/4 lbs. | 1.69 |
| 14 H 5402 | 12** | Nat. Hdwd | 1 lb . | 2.20 |
| 14 H 5403 | $18^{\prime \prime}$ | Nat. Hdwd | $11 / 2 \mathrm{lbs}$. | 3.29 |
| 14 H 5404 | 24" | Nat. Hdwd | 2 lbs. | 4.38 |

# LAFAYETTE Hobby Headquarters 

MAGNA SIGHT-MASTER 3-D BINOCULAR MAGNIFIER

- Leaves Hands Free
- Reduces Eyestrain
- 3-Dimensional
- Can be Worn With or Without Glasses As


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., $3 / 4 \mathrm{lb}$.
15 H $20051.75 \mathrm{X}, 14^{\prime \prime}$ Working Distance
Net 4.95
15 H $20062.25 \mathrm{X}, 10^{\prime \prime}$ Working Distance 15 H 20072.75 x . $8^{\prime \prime}$ Working Distance 15 H 2008 3.5X, $4^{\prime \prime}$ Working Distance Net 4.95
Net 5.39
Net 5.95

## LAFAYETTE OPTICAL MICROMETER

- Pocket sized Comparator
- Direct measurements to $.005^{\prime \prime}$
- Measures Diameters - Radii - Angle
- Linear scale in inches

High quality optical micrometer using a triplet lens system of approximately 7 power. Triplef system affords a wide flat field of view. Extremely accurate reticle of etched glass. Unaffected by changes in temperature and humidity -impervious to oll, solvents and scrat. ches. 0.5 inch linear scale calibrated to .005 inch. 10 mm scale calibrated to .2 mm . Hole diameters from $\chi_{4}$ to $\mathrm{Koc}^{\prime \prime}$
 and from .005 to $05^{\circ}$. Thickness scales
 Measures instantly-without adjustments. Accurate to edge of $1^{\text {" }}$ field. Adjustable focus. Reticle removable for use as highpower magnifier. Infinite uses in lab and industry. Complete with leather case. Imported Shpg. wt., 6 oz .
99 H 70751
Net 7.95

## PORTABLE ILLUMINATED MAGNIFIER

- Extremely

Bright Field

- 5X Magnification
- Compound Lens Type
- $2^{\prime \prime}$ Field!


A fixed-focus Illuminated magnifier magnifies work 5 times. Field of vision is $2^{\prime \prime}$ at $11 / 8^{\prime \prime}$ working distance. Magnified area easily ac cessible 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 $3 / 4 \mathrm{lb}$. Lentth $81 / 2^{2}$ overall. Imported Shpg. wt., $11 / 2$ lbs.
99 H 7021
Net 2.95
99 H 6256 Battery (2 required)
Net ea, . 15

## AUTOMATIC "PRICE MARKER"

- Self Inking
- Single Construction Chrome Plated

Handy price marker for pricing every kind of package or ltem. 5 band arrangement- 4 columns of numbers, one column of letters A.N. Ruggedly constructed reinforced bright steel body. non-twist yoke, smooth action-grip handle, headline size characters. Tuff-tred rubber base prevents skidding. Shpg. wt., 1 ib . 15 H 6002

## CLIP-RITE TRAVEL DESK

- Use in Home, Auto, School, Etc.
- 8-Compartment Storage Tray
$1^{69}$

Spring cllp holds note pad firmly on "desk-smooth" writing surface. 8 convenient compartments for stamps. coins, etc. Crush-prool nolypropy. lene. $63 / 4 \times 101 / 2 \times 11 / 2^{\prime \prime}$. Shpq. wt., 602 . 12 H 6301

# Drafting \& Drawing Supplies 



TECHNICAL DRAFTING SET

- Center Wheel Adjustment
- Professional Quality
- Made in W/Germany of Nickel Plated Brass
Contains $61 / \mathrm{a}^{\prime \prime}$ self-centering compass, one leg knuckle joint with divider, pencil, pen parts and lengthening bar; 61/5" self-centering divider; spring bow divider $41 / 5^{\prime \prime}$. center wheel adjustment with interchangeable needle points: spring bow pencil and spring bow pen, both $41 / \mathrm{m}^{\prime \prime}$ with center wheel adjustment and interchangeable needle point; two $53 . \mathbf{e}^{\prime \prime}$ ruling pens; extra handle for pen and pencil parts; adjustment tool: lead case and leads; and spare parts kit, all in velvet lined snap closing case. 99 H 7003 Shpg. wt., $11 / 2$ lbs.
7.49
draftette PORTABLE



## - Precision Instrument

DRAFTETTE 9-B-skeich draft, design, draw diagrams and schematics like a professional. A new ORAFTETTE which gives you all the advantages of a T-square, triaggle and protractor in a compact, easy to operate portable drafting machine. Constructed of anodized aluminum, features tubular arms, $360^{\circ}$ protractor, one-piece $6^{\prime \prime} \times 9^{\prime \prime}$ scale call. brated in 16 ths-1/8-1/4. Mounted on a lightweight $16^{\circ} \times 21^{\prime \prime}$ drawing board, completely assembled ready to use. Shpg. wt., 4 ibs.
15 H 7401
Net 14.95

## draftette PORTABLE DRAFTING MACHINE



- Mounted on $11 \times 17^{\text {H }}$ 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 $360^{\circ}$ protractor. Precision all-aluminum construction glves you a rugged and accurate machine. ideal for schematics, layouts, etc. 15 H 7406 Shpg. wt., 3 Ibs.

Net 8.39

## 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 $334^{\text {" }}$ bow instruments on a divider, one a pencil and one a pen. All have reversible needle point. $54 / 4^{\prime \prime}$ compass with pen and pencil parts-and lengthening bar. $51 / 4^{\prime \prime}$ divider with straightening device. $5^{\prime \prime}$ ruling pen. Extra handle for use with pen and pencll parts. Capsule with extra leads. Per. fect for schools, labs, industrials. Shipg. wt., 1 lb.
99 H 7164
Net 3.59

## draftette SKETCH KIT



- Mounted in Vinyl Biñar

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 instru. ment 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 $91 / 2 \times 13 \times 1$ ". Shpg. wt., 3 lbs .
15 H 7402
Net 8.39

## PORTABLE DRAWING KIT



- Can Be Carried or Stored A folding portiolio conveniently 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 a 50 -sheet drawing pad and drawing péncll. Plastic portfolio is $9 \times 13 \frac{1}{2} \times 1 \frac{1}{2} 2^{\prime \prime}$. Tools housed in separate pockets. Shps. wt., 3 lbs.
15 H 1433
Net 2.95


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" giant bow has preferred center wheel adjustment. Makes circles from $1 / 6^{\prime \prime}$ to over $10^{\circ \prime}$ in diameter. Set includes $6^{\circ}$ 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 H 7053
Net $\mathbf{3 . 5 0}$


## SUPER DRAWING KIT



Contains all the necessary equipment for drafting, mechanical drawing, designing. Sturdy accurate components. Includes $18 \times 24^{\prime \prime}$ drawing board, $24^{\prime \prime \prime}$ T square. $10^{\prime \prime}$ $30^{\circ} / 60^{\circ}$ triangle, $8^{\circ} 4^{\circ}$ triangle, french curve, $12^{\prime \prime}$ triangular rule. $6^{\circ} 180^{\circ}$ protractor, 4 pencilis, pencil polnter, erasing shield, thumb tacks, and art gum.
15 M 5701 Shps. wi., 10 lbs. ............Net 7.95
HARD MAPLE PANTOGRAPH
For Enlarging, Reducing, Reproducing


- "Quich-Change" Feature Allows Setting to Any Ratio
A $21^{\prime \prime}$ adjustable pantograpn with 21 different ratios from $11 / \mathrm{s}$ to 8 . Enlarges, reduces or reproduces drawings, etc. Most rapid, accurate means of reducing or enlarging to scale. Lacquered highly finished bars are $21^{\circ "}$ long and $3 / 4^{\prime \prime}$ wide. Heavy ball bearing standard. Chrome plated hardware, ratio thumb screws and nuts. Complete with lead, accessories and detalled instructions. Shpe. wt., 2 lbs.
15 H 5602
Net 4.50


## 31" PANTOGRAPH

Similar to above except 31" long, with 32 ratios. Complete with accessories and instructions.
15 H 5606
Net 5.95

## Drafting \& Drawing Supplies

## TACROGRAPH SET

4
49


- Complete with Three Nibs

A top quality drawing pen for all lettering and drawing work. Uses Doth India and drawing inks. Precision point for constant flow lines. Silm, easy to hold pen comes with 3 color coded nibs. Fine (Size 0 , Grey nib), Light Medium (Size 1 Yellow nib), Very Broad (Size 3, Blue nib). Ideal for your every artistic and mechanical need. Shpg. wt., 8 oz.
$15 \mathrm{H} \mathbf{8 0 0 2}$
Net 4.49


Professional. quality Tacograpn pen set. Uses both drawing and India inks. 7.precision crafted points. With rubber sleeve for easy removal of nib. In attractive velveteen lined leatherette pigskin case. Nibs: White-00-very fine; grey-0-fine; yellow.1-11ght med.; beige-2-heavy med.; green- $2 \frac{1}{2}$-broad; blue-3-very broad; red 4 -extra broad. Spg. wt., 1 lo. 15 H 8003

## LETTERING GUIDE SET

 Made of transparent plastic. Simple to use with either sharp pencil or Ink. Each has complete alphabet, all numbers plus com. monly used signs. Most letters formed with one operation. Set consists of six guides. sizes $1 / 8, K_{6}, 1 / 4, K_{0}$. $1 / 6$, and $1 / 2^{2}$. Shpg. wt., us Ib.
15 H 1432 -Complete Set $\qquad$ Net 4.95

## IMDIVIDUAL EUIDES (Shpg. Wt., 4 oz.)

 Size No. Each Size No. Each 140" 15 H $1401.50 \mathrm{~K}_{0}{ }^{\circ}{ }^{\prime \prime} 15 \mathrm{H} 14041.00$ $1 / 4^{\prime \prime} \quad 15 \mathrm{H} 14031.00 \quad 1 / 2^{\prime \prime} 15 \mathrm{H} 14061.50$

## LETTERING PEN

Reservoir type drawing pen, Designed tor use with lettering guides from $1 / 8^{\prime \prime}$ to $1 / 2^{\prime \prime}$ and general applications. Shpg. wt.. 302. 15 H 1407


Made of crystal clear plastic .090' tnick Set consists of eight French curves. Excel lent for perspective, three dimensional draw ing and general applications. Wt., $1 / 2 \mathrm{lb}$.
15 H 1425
Net 2.66
LARGE PLASTIC FRENCH


This $17^{\prime \prime}$ curve is made of $.075^{\prime \prime}$ crystal clear plastic for students, architects, professional draftsmen. All edges are perfectly smooth. Ideal for larger drawings, architectural plans. etc. Shpg. wt. 4 oz.
15 H 1413
-- $\qquad$ Net 1.19

Net 8.95

## 

Adjustable protractor head clearly marked to $180^{\circ}$ easily set and fastened. Transparent arm gives clear full view of subject matter. All plastic-light weight. Adapted for int ruling. Head fits snugly against board. Shpg, wt. $1 / 2 \mathrm{lb}$
15 H $1426-18^{\prime \prime}$ long $\qquad$ Net 2.25
15 H $1427-24^{\prime \prime}$ long Net 2.65 Net 2.99

- Meet Government Specifications

Made of extremely stable, Iightweight, heavy gauge vinyl. Finger grips of anti-magnetic. rustproof, nickel plated brass, Counter sunk, cork frictlon pads prevent slipplng. The $12^{\circ}$ and $18^{\prime \prime}$ sizes are black vinyl, the $15^{\prime \prime}$ slize is highly transparent, clear vinyl. Shog. Wt., 8 ozs.

| 15 | H 1446 | $12^{\prime \prime}$ Clear | Net 1.99 |
| :--- | :--- | :--- | :--- |
| 15 H 1430 | $15^{\prime \prime}$ Clear | Net 2.49 |  |
| 15 H 1447 | $18^{\prime \prime}$ Clear | Net 2.99 |  |

## DRAWING AID



Sturdy transparent template $31 / 4 \times 11^{\prime \prime}$. Con tains most useful hexagons from $1 / \mathbf{/ b}^{\prime \prime}$ to $1^{\prime \prime \prime}$ circles from $K_{0}^{\prime \prime}$ to $1^{\prime \prime}$ and squares from $y_{n}^{\prime \prime}$ to $\%_{3}{ }^{\prime \prime}$. One edge beveled with $6^{\prime \prime}$ scale in 16ths. All openings beveled and allowance for pencil point. Serles of lugs raises template from paper to permit ink drawings. shog. wt., $40 z$.
15 H 1412
Net 1.15
15 H $1445-30^{\circ}$ long


Net 2.49

## Gaphos

"COLLEGE" SET

- Simple As Using A Pencil
- Professional

Results


A complete college assortment for ruling, technical drawing, and sketching. Drawing ink flows freely and uniformly-producing a well covered and sharply defined line. Lines of over 1000 yards can be accurately drawn with one filling of the pen. No smudges op blots! Set includes pen, black ink cartridge. 6 assorted nibs, and instructions. Housed in a plastic case. Shpg. wt., 8 oz .

Net 5.98

## ILLUMINATED BALL POINT PEN

## 149

- Take Notes Anywhere-Anytime

Lafayette's illuminated ball point pen for taking notes even in the dark. For law officers, reporters, students. Lightweight, easy to grip, normal size. Uses two "N" batteries and cartridge ink supply. Complete with batteries and 2 cartridges. Brushed chrome finish. Imported. Shpg. wt., $402 s$.
99 H 7185
Batteries for above (2 Req.) $\qquad$ Net 1.49
32 H 4875 Batteries for abo
99 H 7191 Phg of 2 Refills

8" ADJUSTABLE TRIANGLE $2^{2}$ 25


Handiest device ever! 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 openings for drawing circles $1 / 2,3 / 4,1$ and $11 / 4^{\prime \prime}$ diam. Tapered holes $1 / 4^{\prime \prime}$ apart on two sides to divide any line into equal parts by swingling angle. Useful for cross hatching, architectural stairway drawings, speeds up letter spacing. No protrusions to tear tracing paper. Shpg. wt., 602.
15 H 1424
Net 2.25

## CLEAR ACRYLIC TRIANGLES

Fine, professional grade triangles. Exceptionally well made, accurate, highly transparent, not easily scratched. Will not dis. color. Dimensionally and chemically stable. Shipg. wt., 6 oz .


| Size No. | Each Size | No. | Each |  |  |
| ---: | :---: | :---: | :---: | :---: | ---: |
| $6^{\prime \prime}$ | 15 H 1414 | .39 | $6^{\circ}$ | $15 H 1418^{\circ}$ | .56 |
| $8^{\prime \prime}$ | 15 H 1415 | .56 | $8^{\prime \prime}$ | 15 H 1419 | .88 |
| $10^{\circ}$ | 15 H 1415 | .80 | $10^{\circ}$ | 15 H 1420 | 1.16 |
| $12^{\prime \prime}$ | 15 H 1417 | 1.08 | $12^{\circ}$ | 15 H 1421 | 1.76 |

## 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 $231 / 2^{\prime \prime}$. Shpg. wt. 8 oz. Imported. 99 H 7002

Net 1.39

# Drafting \& Drawing Supplies 

|  |  | INSTANT LETTERING KITS |
| :--- | :--- | :--- | :--- |

METER ANO OIAL MARKING KIT
Contains $125^{\prime \prime} \times 7^{\prime \prime}$ sheets -4 different sheets in 3 colors, black, 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 efc. for marking rotary and standard switches and dials, etc.
32 H 750 i per package
Net 4.95
OATAKOAT PROTECTIVE COATINGS. Maximum protection for instant lettering.
32 H 7506 Protective Coating KIt
Net .99
32 H 7507 Protective Coating KIt (16 oz. spray can)
Net 2.95

## 6 OR 12 PIECE MARKING PEN SETS <br>  <br> As Low As 19 <br> - Giant Size Pens <br> - Nylon TippedAmerican Made

Quick drying, non-toxic water colors that will mark on most anything, are completely safe for children. Ideal for schools, homes and Industry. In handy carry box. Set of 6 assorted colors-Red, Black, Blue, Green, Yellow and Purple. Shpg. wt., $80 z$.
15 H 7300
_ Net 1.19
Set of 12, includes all of above colors plus Orange, Brown, Pink, Gold, Light Blue and Turquoise. Ideal for artists.
15 H 7301 Shpg. wt., 1 lb.
Net 1.99

## ARCHITECTS-ENGINEERS RULES


(a)
(B)
(a) Gr" 4-BEVEL POCKET SCALES ENGINEER'S SCALE: Made of highquality, non-hygroscopic plastic. Chemically and dimensionally stable for constant accuracy. $6^{\prime \prime}$ long, light in weight, ideal for desk and pocket use. Graduated in 10 and 50,30 and 40 parts to the Inch. Full divided throughout. Four beveled white edges. Vinyl case. Shpg. wt. 4 ozs.
15 H 1437 Engineer's Scale $\qquad$ Net 1.15 ARCHITECT'S SCALE: SImilar to above. Graduated in fractions of an inch to the foot- $1 / 8,1 / 4,1 / 2,1,3 / 8,3 / 4,11 / 2,3$. Open divided, divistons before zero full divided. Shpg. wt., 4 ozs.
15 H 1438 Archltect's Scate
Net 1.15
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A

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If your kit does not function properly when fully wired it may be returned to us prepaid for inspection. If failure to function is due to improper wiring or handling, we will make the necessary corrections or repairs at modest charges. These charges vary with each kit and are shown in a price sheet enclosed with each kit.

## OTHER KITS

Kits of manufacturers other than Lafayette carry the same guarantee as above, except that Lafayette does not repair or rewire them. They may be returned to us and we will forward them to the manufacturer who will determine the charges, where applicable


## 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. If there is an irregularity 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. "First Class Mail Enclosed" (directly below the postage) and add an additional 5¢ postage Do not send the letter separately; it will delay our speedy adjustment handling.
 Pack the merchandise securely and send to: Customer's Serv. ice Dept., LaFAYETTE RADIO ELECTRONICS, 111 Jericho Turnpike. Syosset. L. I., N. Y. 11791

For your protection, report damaged receipts to your postman and enclose his report with your papers.


If your smipment is received damaged, obtain a report from your express agent or trucker, and mail to us. Wait until you receive our instructions an how to refurn.
(NOTE-Merchandise not regularly slocked that thas been ordered for you is NOT returnable for refund or exchange).

## If IT IS NECESSARY TO WRITE US:

Before writing, please compare papers or invoices with erchandise received. You will find explanations on your order papers about how your order has been handled. Sometimes merchandise arives be both before order papers. Please wait until to include all papers writing. If you write, be siease give names of ttems, concerning the order.ity, color, price, and any special catalog numbers, quantity, colory. The more details you information you think necessar ajustment will be made. give us, the more quickly your adjustment will be your EP On Easy Payment orders, account number on package and correspondence.

## SHIPPING AND DELIVERY INFORMATION

## PARCEL POST



To Speed tour Mail Order - Please Give Your Zip Code Number

## how to estimate parcel post charges

 1. Add up the weight of your order in pounds and ounces, and ange ounces into full pounds ( 16 ozs. to a 12. Locate your Parcel Post zone on the map. Refer to-the Parcel Post rate chart below, find the weight of your order in the first column and move across to your postal zone to find the Parcel Post rate of your order.
3. Remit the amount shown for postage, plus Parcel post han-
dling charges. Overpayments are promptly refunded to you. Do not diling charges. Overpayments are promptly re
send cash uniess you register your letter.

4.4. Parcel Post Limitations-parcels weighing not more than 70 tbs. and measuring not more than $100^{\prime \prime}$ combined in length and girth (distance around widest point) may be malled to all zones, including APO's and $\mathrm{FPO}^{\prime}$ 's, with the following exceptions: packages malled from New York to any first class post office may not exceed $72^{-4}$ in length and girth combined, and shall not weigh more than 40 lbs . to Zones 1 and 2, or 25 lbs . to Zones 3 to 8.


NOTE:
Hawail and Alaska are in the 8th zone Puerto Rico and the Virgin islands in the 7th zone. All other U.S. possessions and territories in the 8th zone.

| 3MIPPINWEICHTUo tobut notincludin16 oxs. | Parcel Post Rate Chart |  |  |  |  |  |  |  |
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|  | 201E | 1.2 | 3 | 4 | 5 | 6 | 7 | 8 |
|  | Leent | $\begin{aligned} & m y \text { to } \\ & 150 \end{aligned}$ | $\begin{aligned} & 151 \text { 10 } \\ & 300 \end{aligned}$ | $\begin{aligned} & 301 \text { to } \\ & 600 \end{aligned}$ | 801 to | $\begin{aligned} & 1.001 \text { to } \\ & 1,400 \end{aligned}$ | $\begin{aligned} & 1,401 \text { to } \\ & 1,800 \end{aligned}$ | $\begin{aligned} & \text { Over } \\ & 1,800 \end{aligned}$ |
|  | L00w | miles | miles | Miles | Miles | miles | Miles | Miles |
|  |  | 4 c for the first 2 ounces and 2 c for each additional ounce |  |  |  |  |  |  |
| to 2 lbs . | \$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 | 1.03 | 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 | 1.50 | 2.25 | 2.70 | 3.10 |
| 15 | . 65 | 1.20 | 1.35 | 1.60 | 2.00 | 2.35 | 2.85 | 3.30 |
| 16 | . 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 |
| FOR EA. ADOED LB. ADO 2C |  | 4 C | 5 c | 7 c | 9 c | 11c | 14 C | 17 c |

## up to 5.00

5.01 to 10.00

PARCEL POST HANDLING CHIRGES
$\begin{array}{lll}.05 & 10.01 & \text { to } 25.00 \\ .10 & 25.01 & \text { to } 50.00\end{array}$

## REA EXPRESS INFORMATION

Large butky or delicate articles are shipped by Rallway Express, the fastest and most economical way to shio merchandise which is unmailable. (If you desire other shipping methods, please specify.) These packares travel on fast passenger trains and get preferred attention and special handling at no extra charge. The letter " X " after our stock number (i.e. $21-4417 \mathrm{WX}$ ) identifies the ilem exceeding parcel post size of weight limits, or too delicate for parcel posi handling.
DO NOT SENO 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
Weight
20 lbs.
30 lbs.
40 lbs.
50 lbs.
60 lbs.
70 lbs.
80 lbs.
90 lbs.
100 lbs.

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300
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| 500 | 1000 |
| :---: | :---: |
| Miles | Miles |
| 4.75 | 4.85 |
| 5.55 | 5.85 |
|  | 6.35 |
| 7.15 | 7.85 |
| 8.00 | 8.85 |
|  | 8.80 |
|  | 9.90 |
|  | 9.60 |
|  | 10.90 |
| 5 | 11.40 |
|  | 11.95 |
|  | 11.15 |


| M1les | Miles |
| ---: | ---: |
| 2000 | 2400 |
| 5.95 | 7.15 |
| 7.50 | 9.30 |
| 9.10 | 11.50 |
| 10.65 | 13.65 |
| 12.25 | 15.80 |
| 13.80 | 17.95 |
| 15.35 | 20.15 |
| 16.95 | 22.30 |
| 18.35 | 24.25 |

## AIR SHIPMENTS



For fast delivery, you may specify Air Parcel Post, Air Express or Air Freight. For Air Express Rates see your local REA Agent. For Air Freight see your nearest commercial airport office. Air Parcel Post limits are 70 Ibs. in weight. $100^{\prime \prime}$ in length and girth combined, except APO and FPO which are 2 lbs . and 20"

## AIR PARCEL POST RATES

| ZONES | $1,2,3$ | 4 | 5 | 6 | 7 | 8 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| list Ib. | .68 | .73 | .78 | .83 | .83 | .88 |
| For each | add | add | add | add | add | add |
| extra Ib. | .48 | .50 | .56 | .64 | .72 | .80 |
| U.S. Possessions, Territories, | APO's, | FPO's | -.80 |  |  |  |
| per tb. |  |  |  |  |  |  |

## ABOUT C.O.D. ORDERS

If you order C.O.O. the post office collects a handing charge. plus a money order fee, in addi. tion 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 |
| :--- | :--- | :--- |
| Minimum order $\$ 5.00$ | 25 c | 60 c |
| $\$ 5.01$ to 10.00 | 25 c | 60 c |
| 10.01 to 25.00 | 35 c | 7 c |
| 25.01 to 50.00 | 35 c | 80 c |
| $\mathbf{5 0 . 0 1}$ to 100.00 | 40 c | 90 c |

## UNITED PARCEL DELIVERY

If your area is serviced by UPS and the service or rates are to your benefli, we will route your order via United Parcel Service. This fast. economica! service is available from New York to most of the eastern states for parcels up to 50 lbs. and 108 inches in length and girth.

## SHIPMENTS OUTSIDE OF THE UNITED STATES

We ship all over the free wortd. Allow up to 60 days for delivery. Write to our International Sales Division for details (see page 6).
"16 II" SUBmINIATURE CAmera. An extremely easy-to-operate, palm-size camera. Sliding camera in and out of built-in case advances film, cocks shutter, counts expo. sure and prevents double exposure-all automatically. 6 shutter speeds from $1 / 30$ to $1 / 500 \mathrm{sec}$. plus "B". Takes \& \& Wictures, color prints or color sildes that fit any 35 mm projector. Direct viewfinder shows pleture exactly as it will appear on film. Lens opening from $\mathbf{t / 2 . 8}$ to $\mathbf{t / 1 6}$.
15 h 3416 L With Case. Imported. Shpg. wi., 1 lb. $\qquad$ Net 29.95 MINOLTA 16 II Accessories. Av. Shpg. wt., 6 oz.
15 H 3421 Baby BC Flash with Capacitor and Case
is H 3422 Bracket for Flash and Tripod Mtg.
15 H 3423 Aux, Lens Set-2 closeup, 1 distance, 1 Y filter Net 4.95

15 H 3424 Color filter Set-1 ea. 1A, $80 \mathrm{~A}, 818$ | Net |
| :--- | :--- |
| Net |

FILM FOR "'16 II"-All are 20 -exposure magazines. Shpg. wt., 3 oz .
15 H 3417 L Kodak Panatomic $X$
15 H 3419L Kodachrome II
15 H 3418L Kodak Tri-X 15 H 3450 L Ektacolor Negative (color prints) $\qquad$ Net 98 Net MINI-"16" COLOR SLIDE PROJECTOR. Compact, Hghtweight projector to mateh Mi. 19 and other 16 mm Sub-miniafure cameras. Sharp 40 mm Rokkor $F / 2.5$ lens. Includes deluke vinyl carrying case, standard slide carrier and 75 watt projector lamp. For
110.120 110.120 volts $A C-D C$. Imported.

15 H 3435 Shpg. wi., $31 / 2 \mathrm{lbs}$.
Net 29.95


## YASHICA atomon

## WITH BUILT-IN LIGHT METER

# ULTRAMINIATURE CAMERA <br> USES "MINOX-TYPE" PRELOADED ORDP.IN 9.5 MM CARTRIOGE 

Now you can have the sharpest, clearest plctures ever indoors and out, from the all new lightweight ( 4 oz .) Atoron camera, finished in brushed aluminum and chrome. Programmed exposure, with shutter speeds $1 / 45$ th to $1 / 250$ th seconds. Lens openings from $\mathrm{F} / 2.8$ to $F / 16$. EV numbers 8.5 to 16. Built-in semi automatic light meter operates by aligning control wheel film speed marker with exposure meter needle. Yashinon 18 mm unjversal focus lens with extreme depth of fieid. Fim is loaded thru sliding panel on bottom of camera. Retractable pressure plate assures accurate frame allgnment by pulling on film advance. Optical finder with close-up parallax markings. Bullt-in meter, with medium yellow UV filters that zip into place with a flick of your finger. Comes complete with screw-in, cordless flash, supple black leather case, brushed flexible chain witn belt cllp, and 80 B and ND4 snap on filters. Shpg. Wt., $11 / 2 \mathrm{lbs}$. imported.
$15 \mathrm{H} 3625 \mathrm{~L} \$ 5$ Monthly
Net 84.95

## 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-no focusing. Features instant loading film cartridge. double exposure prevention. Accepts flashcube which automatically rotates. Outrit includes camera, flasheubes, 2 batteries, color film and wrist strap.
15 H 7110 L Shpg. wt., 4 tos.
Net 17.95
Texon case with strap, Holds camera, 2 rolls film, 2 sleeves flash-


## cubes. Shpg. wt., $1 / 2 \mathrm{ib}$. <br> 15 H 1611 <br> KODAK

Net 2.49
NEW! INSTAMATIC CAMERA OUTFITS

## As Low As

$26^{95}$


Model S-10. This outfit has everything you need for quality pictures. Instant loading S-10 camera features a color corrected 1/9.5 fixed lens for exceptional black and white or color pictures. Shutter lock type double exposures prevention. Camera uses automatically rotating flashcube. Outfit includes camera, Kodacolor.X film. flashcube, batteries and wrist strap. Shpg. wt., 4 lbs. 15 H 2633 L

Net 26.95
Model $\mathbf{S}-20$ Outfit. Similar to above with CaS type exposure control low light signal and $f / 5,6$ tens.
15 H 2634 L \$5 Monthly
Net 54.95
Compartment case for above outfits. Texon material with strap. Holds camera, 2 rolls film, 2 flashcube sleeves. 15 H 1611 Shipg. wt., $1 / 2$ it.

Net 2.49
Please Include Your Zip Code with Every Order


PRELOAOEO FILA FOR ATORON
NO MDNEY DOWN Av. Shipg. wt., 202.
15 H 3626 L . Phg. of 2, 36 Exposure ASA 12 E B8W
15 H 3627 L PKg of 2,36 Exp. XT-Pan ASA 25 日\&W
Net 1.98
Pkg. of 2, 36 Exp. Kodachrome 11 ASA 25 Co or Silides 15 H 3628.
Pkg. of 2,36 Exp. Extacolor ASA 80 Color Slides
15 H 3629 L
Net 3.29
32 H 4892 Battery for above (2 req.)
Net 2.48

## NEW INSTA-CUBE CAMERA OUTFIT

- Uses Kodak 126 Cartridge Film
- With Drop-Front Case


95


Takes clear, sharp pictures every time, Features Instant loading cartridge film. Flashcube automatically retates after fim advance. No complex settings or focusing, no doutle exposure. Kit contains drop-front case with strap, camera, 2 flashcubes (8 flashes), 2 batteries and 1-126 Kodapake verichreme Pan film cartridge, Shpg. wt. 4 lbs.
15 H 3301 L
Net 11.95

## KODAK

## INSTAMATIC CAMERA

 COLOR OUTFIT
## As Low As $16^{95}$

- Instant Loading
- Accepts Flashcube -Rotates it Automatically
Model 104 Outfit. Features the simple to operate Kodak
Instamatic 104 camera. Instant film loading with snapshot or slide cartridges. Prefocused lens for perfect axposures. Accepts Flashcubes for 4 flash shots without touching a bulb. Double exposures preventlon. Kit includes camera with wrist strap, Kodacolor-X film cartridge, 1 flashcube, and 2 AAA batterles.
15 H 2630 L Shpg. wt., 4 lbs. $\qquad$ Net 16.95
Model 154 Outfit. Similar to above. Camera features spring motor which automatically advances film and rotates flashcube.
15 H 2631L

$$
\text { nt case for ahnue. Taman Net } 26.95
$$

Compartment case for above; Texon materlal with strap camera, 2 rolls film, 2 flashicube sleeves. Shpg. wt., $1 / 2 \mathrm{ib}$.
15 H 1 ill


Take perfectly exposed movies with this reflex camera. Automatic CdS electric eye Meter automatically adjusts lens dlaphragm for correct exposure from ASA 25 to 100 . Fast $\mathbf{f / 1 . 8} \mathbf{z 0 0}$ lens zooms from 12 to 30 mm for wide angle normal and telephoto shots; sharp focus from 5 ft . to infinity without adjustment. Reflex viewfinder lets you see the exact picture area that will go on the film; eyeplece adjusts to your eyes. Signal system in the viewfinder warns of inadequate light conditions. Other outstanding features include: easy loading, continuous run 50 ft . Kodapak Super 8 cartridge for $50 \%$ larger image area; smooth battery-powered electric drive enclosed in the grip handle; built-in type A filter...continuous film run; footage counter; film-type and aperature indicator windows and movie light socket. Imported. Shpg. wi., 21/2 lbs. 99 H 7209 L \$5 monthly $\qquad$ Net 49.95
15 H 1610 Camera Case for above $\qquad$ Net 3.95
99 H 6258 Extra Batteries for above ( 4 req.) $\qquad$ Net ea,
.10

COMPLETE ZOOM MOVIE CAMERA OUTFIT
Everything you need for movie making and showing fun. Matched components consists of Lafayette Zoom 1:1.8 automatic CdS Reflex camera--fully automatic 500 W brilliance projector with $f: 1.4$ lens. automatic Reel-to-Reel threading, single knob control for Forward and Rapid Rewind. 400 ft . capacity. Projector includes self-contained case-outfit also includes: 1-camera case; 1-foll Kodachrome II film with free processing; 1-extra 400 ft . reel and can; 1.8 atman cartoon; $1-30 \times 40$ inch folding tripod screen; 4 -batteries for camera; 1 . 650 W Sealed Beam movie light. Shpg. wt. 23 lbs. $15 \mathrm{H} 9015 \mathrm{WXM} \$ 6.50$ Monthlv (Complete Outfit) Projector only used in above outfit. 15 H 7806 wx Shpg. wt. 15 lbs.
Use KODAK Instant load Film

| Camera Only |
| :---: |
| 95 |



DELUXE SUPER 8 REFLEX AUTO POWER ZOOM MOVIE CAMERA

- Thru-The-Lens CdS Electric Eye
- 3.5 To 1 Power Zoom
- Two-Speed Operation
- Fast $\mathrm{f} / 1.8$ Lens

Take brighter, sharper movies with this deluxe super 8 power zoom reflex camera. Instant loading film cartridge eliminates complex film threading or reversing . . . may be run a full 50 ft . continuously. Thru-the-lens CoS electric eye automatically controls the tens opening according to light conditions. Elect.ic film drive motor does away with bothersome hand winding. Super fast $1 / 1.8$ cinetor 3.5 to 1 zoom lens may be manually or automatically operated. Warning signal shows in viewfinder under insufficient light conditions. Exceptional features include footage counter, reflex thru-the-lens viewfinding, built-in " $A$ " type filter, battery tester, focusing eyepiece, full range film speed. safety lock, light bar receptacle, cable release socket. pistol grip, and die.cast aluminum body with hinged doors. Focuses from $6^{\circ}$ to 1 Iff . Two Speeds: 18 and 24 FPS. Imported. Shpg. wt., 4 lbs. 15 H $7807 \mathrm{~L} \$ 5$ Monthly 15 H 1610 Camera Case for Above 99 H 6258 Batteries for Above (4 required)
$\begin{array}{ll}\text { Net } & 3.95 \\ \text { ea. } & 10\end{array}$
Complete Power Zoom Movie Camera Outfit
Everything you need for movie making and showing fun, Matched components consists of Power Zoom Super 8 f:1.8 camera-fully automatic 500 W brilliance projector with $\mathrm{F} / 1.5 \mathbf{Z 0 0 m}$ Lens, automatic Reel-to-Reel threading thru gate, single knob control for Forward, Reverse, Still and Rapid Rewind. 400 ft ., capacity. Projector includes self contained case-outfit also includes: 1-camera case; 1-roll Kodachrome film with free processing; extra 400 ft ., reel and can; Mr. "Magoo" cartoon; $1-30 \times 40$ Inch folding tripod screen; 4 -bat. teries for camera; 1 Light Bar, 2 Bulbs. Shpg. wt., 23 Hs. 15 H $9017 \mathrm{WXM} \$ 8$ Monthly Auto Zoom Projector only Full feature, forward, still and reverse. Shpg. wt., 16 lbs is H 7808 wx \$5 Monthly

YASHICA
SUPER 8-25
REFLEX
ZOOM

## New

Low Price
$71^{95}$

- Automatic CdS

Electric Eye

- Sharp f/1.8 Zoom Lens

A completely automatic camera which has most of the features one could want In a single unit. This sleek, compact Yashica Super 8-25 features instant loading, fully automatic exposure, electric film drive and the brilliant Yashinon $1 / 1.8$ reflex 200 m lens with a $21 / 2$ to 1 ratio- 12 to 30 mm . Incorporates an exposure warning system in the viewfinder, which indicates over- op under-exposure, as well as the lens opening. The selenium exposure system is automatically set by the cartridge for ASA 25 and 40. Other features include a battery check. diopter-adjustable eyepiece, footage counter. 18 fps speed and single frame cable release socket and molded pistol grip with attached wrist strap for comfortable shooting. Imported. Shpa. Wt.. 3 lbs .
15 H 3622 Model Super 25 ... $\$ 5$ monthly.. Net 71.95 99 H 6258 Batteries for above ( 4 req.) ... Net ea..... 10

## LaFAYETTE SUPER 8 MOVIE CAMERA

- Fully Automatic Electric Eye Sets Exposure
- Battery Drive Motor - Fast $\{: 1.8$ Lens


## ${ }^{\text {only }} 24^{95}$

Features instant loading Kodapak Super 8 mm cartridge film, allowing continuous 50 ft , run without revers. ing film. Highly sensitive seleniumtype electric eye automatically ad. justs lens for proper exposure. ASA 25 to 64. Side window shows f-stop used. Fast $\mathrm{f} / 1.8$ fixed focus tens keeps everything in sharp focus from 6 ft . to infinity. Bright, viewfinder provides clear field of view....includes red low light level signal to warn of underexposure. Built-in (A) Filter automatically olsengages when daylight type cartridge is inserted. Camera includes pistol grip handle which holds 4 .penlight batteries, a safety lock to prevent accidental exposure, builtin movie light socket and film footage counter. Imported. Shpg, wt., 2 lbs.
99 H 72081
Net 24.95
15 H 1610 Camera Case for above Extra 8 atteries for above ( 4 rea.) 99 H 6258


## NEW YASHICA SUPER 8-40 POWER ZOOM

- Behind-the-Lens CdS Meter
- Fast f/1.7 Lens - 4:1 Zoom Ratio
- 2-Speeds - With Handle Grip

Behind-the lens exposure meter takes the guess out of home mov. ies. Film loading fuss elliminated through use of Kodapak Super 8 film cartridge with continuous 50 Ft . Pun. Camera utilizes a sharp 4:1 ratio power $200 \mathrm{~m} / / 1.7$ lens that focuses from $3^{\circ} 9^{\prime}$ to infinity. Insufficient light warning signal and f-stop vislble in bright viewfinder. Camera uses electric drive motor which operates on penlight batteries. Other quality features include shutter lock, auto. matic or manual diaphragm operation, battery tester, focusing eye-piece, built-in filter, wrist strap and remote control, Conven. ient fold-under grip holds batteries. Speeds: 18 and 24 trames per second as well as signal frame for special effects and titling. Imported.
15 H 3633 L \$6 Monthly. Shpg. wt., 3 lbs. ........................Net 109.95 99 H 6258 8atteries for above ( 4 req.) ................... Net ea. ....... 10

## YASHICA SUPER 8-50 POWER ZOOM

- Behind The Lens CDS Exposure Control
- F/1.7 Lens Zooms from 8.5 to 42.5 mm (S-1)
- Push-Button Power Zoom With Pistol Grip

Brilliant new Super 8 movie camera features a Yashinon $\mathbf{1 / 1 . 7}$ olectric zoom lens, for automatic pushbutton $200 \mathrm{~m}: 10$ group. 12 elements. $5-1200 \mathrm{~m}$ fatio; focuses to $5^{\prime}$ with split-image rangefinder: stops down to $1 / 22$. Other features are: Through-the-lens exposure control with cadmium sulphide cell; reflex viewing with adjustable eyepiece, aperture scale, battery check, and over-under warning signal visible in finder; manual back-llght control: 18 fps and single frame; built-in " $A$ " filter; auto-reset footage counter; Three-way shutter control: remote indut. Accessories: Remote control cab e and switch, rubber eyecup. 4 " $A A^{"}$ cell Batteries, filter key. Imported. Shpg. wi., $31 / 2$ lbs.
15 H 3631L \$7 monthly
Net 129.95
99 M 6258 Extra 8atteries for above 14 rea. ... Net ea. . . 10

## BAUER C1 SUPER 8 REFLEX ZOOM

## - CDS meter behind the lens

- Fast f/1.8 4-1 zoom lens - 3-speeds-with grip

Instant ioading, instant filming Super 8 camera features: Through-the-lens rellex viewing, Famed Bauer Vario $1 / 1.8200 \mathrm{~m}$ lens with CDS cell mounted behind the lens for unerring accuracy. Three speeds (12. 18 and 24 fps ) plus single frame. Built.in type " $A$ " fitter and permanent hand grip. 8attery driven motor, Contoured rubber eyepiece. Rubber sunshade. Other benefits of The Bauer Super 8 (drop-in cartridge loading. viewfinder shows if batteries are sufficiently charged and if light is sufficient for shot. focusing from 3 ft . to infinity and auto footage counter). Imported from west Germany. Shpr. wt., 3 lbs.
$15 \mathrm{H} 3710 \mathrm{~L} \$ 8$ monthly
Net 159.95
99 H 6258 Batteries for above ( 4 rea.)
Net ea. $\quad 10$ Model C-2. Similar to above but has a Schneider Variogon F/1.8 lens with 5-1 200m-plus bulit-in "Fade in/Fade out" control. 15 M 3717 L \$10 monthly

Net 199.95 99 M $\$ 258$ Batteries for above ( 4 req.) .....................Net ea,

## YASHICA <br> $109^{95}$ <br> No Money Down



BAUER

## Deluxe 8MM Movie Projectors - Editors



- Built-in Viewing Screen

MOOEL OP-888. Dual 8 projector shows all 8 mm movies elther thru the bultt-in viewer, or by brilliant screen projection. Switch converts prolector from standard 8 to super 8 film. Features automatic threading and loading, automatic instant-start, auto. matic light coordinator which turns off room lights when projection lamp goes on, single frame prolection, variable speed forward and reverse, rapid rewind and ultra-sharp 200 m projection lens. 400 ft . reel capacity. Built-in film cutter. Sturdy die-cast aluminum construction. For 110 volts $50 / 60$ cycles AC. Shpg. wi., 20 lbs. 15 H $5206 \mathrm{WX} \$ 7$ Monthly _-..- Net 129.95

## 1811 I $99^{95}$ AND STANDARD 8 <br> No Money Down <br> - With Self Contained Case

MDOEL OP.77. 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 tens assures sharp color reproduction. Selection of Super or standard 8 mm fitm is made by the flick of a switch. Other quality features include reel-to-reel threading, multiple speed control plus instand forward/reverse and rapid rewind, single frame stills, built-in film trimmer. automatic room light receptacle. Rugged motor is factory lubricated for years of operation. 400 ft . reel capacity. 20 ibs. 15 H $5207 \mathrm{Wx} \$ 5$ Monthly


Sharp 1" $1 / 1.6$ lens enhances ail home movies. Brilliant lliumination system allows onlarged viewing without light fall off. Design gives you finger-tip control of framing, tilt, and direction. Features automatic loop setter, stili picture control, touch threading, and motor cooling switch. Rugged construction has built-In film cutter. Complete with $400 \cdot \mathrm{ft}$. reel. Wt. 20 lbs. Model 356,
15 H 6501 Wx $\$ 5$ monthly ............ Net 81.95 Same as above but with $1 / 1.6$ Filmovara zoom Lens, automatic reel to reel threading, dial focusing, and cord storage door. Model 3572.
15 H 6502WX $\$ 5$ monthly ........Net 99.95


Beautifully styled 8 mm projector features swingline focusing, exclusive adjust-o-matic control for proper feed onto take up reel, (tvisted or curled). 400 ft . reel self-threading. 1 knob controls on, cooling, off, rewind. Self contalned case with handle and elevation knob. 400 ft . self threading reel included. with 6 ft . power cord. UL approved Shpg. wt. 15 lbs.
15 H 7806WX
\$5 Monthly
Net 49.95
ATLAS. WARNER SUPER 8MM EDITOR


$$
\begin{aligned}
& \text { Large screen editor with over } 17 \mathrm{sq} \text {. In, of viewing area. Film } \\
& \text { litact }
\end{aligned}
$$ slips in place in seconds; notches in exact frame that is being viewed. Takes reels up to 400 ft . Smooth and rapid rewind oper. ates without scratching film. Adjustment knob for critical focusing. Foldaway arms for convenient storage. Die cast construction, with dry splicer and splicing tape. Size: $91 / 2 \times 7 \times 61 / 2^{\prime \prime}$. UL listed. Shpg. wt., $71 / 2 \mathrm{lbs}$.

Shpg. wt.. $71 / 2$ bs. 8 Only
15 \% 8410 For Super 8 Onlor
Net 19.95
Dual Editor for both Super \& Standard 8 similar to above.
is H. 8409
15.H.8409

(A) 8 mm PROJECTOR SCOPE The projectionists friend ... The HPI Pro. jector-Scope attachment lets you preview films as soon as you get them. Can be attached easily to most 8 mm projectors by simply removing the original lens. Large $45 \times 31 / 2^{\prime \prime}$ screen with a 6 -element lens lets you see or show sharp movies without darh. ening room or setting up a screen. Edit films fight on the projector, Cannot be used with Basken and Kodak Brownie models A10 and A15. Includes handy frame marker for easier editing. Shog. wt., 1 ib.

## 15 H 342

(8

## BAIA FILM SPLICER

No more problems with liquid film cement. The one step, automatic butt splicer for 8 and 16 mm film, gives invisible permanent splices. A superior method of flxing breaks -editing. Has handy tape storage compart. ment. Shipg. wt., $40 z$.
15 H 6601 $\qquad$ Net .89
36 pack-Mylar splice tapes
15 H 6602
15 H 6502

> SPLICER FOR SUPER 8 MM FILM 604

15 H 6604
36 pack-Mylar splice tapes
Net .89 15 H 6605

Net 59

## (C)

TITLE SPOTS
Lets you make animated titles with any 8 or 16 mm camera equipped with singte trame release. Consists of $101 / 0 \times 13 \%{ }^{\prime \prime}$ back board and wire stand, with 112 letters and characters which push into holes on the board. Any number of pleasing and varied titles can be made. By simple moving letters and characters which push into holes and varied titles can be made. By simply moving letters one hole per frame exposure you produce true anlmated titles - marching letters, revolving letters, exploding words. etc. Shpg. wt., 2 lbs.
15 H 3420
Net 3.99

## (D) PROJECTION TABLE

A projection table with all the features to simplify operation of projector. Slanted electrical control panel for convenience of operator. On-off switch for room Inght control. Two conveniently, placed outlets for room light and projector. Large $16 \times 18^{\prime \prime}$ sturdy table top. Completely U.L, approved. Shipg, wt., 4 lbs.
$15 \mathrm{H} 3623^{\circ}$
(E)

## SPORTPOD

## - Use it Anywhere

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 $211 / 2^{\prime \prime}$. Sections measure $7 / 0^{\prime \prime \prime}$, $3 / /^{\prime \prime}$ and $5 / 6^{\prime \prime}$ in diameter. Shipg. Wt., $11 / 2 \mathrm{Jbs}$. 15 H 3601

Net 2.98

## (F) DE LUXE LENTICULAR SCREEN

Specially-designed, optically-correct lenticular screen is free of glare, sheen and hot spots. Amazing sharpness and color rendition. Durable vinyl fabric resists fire and fungus. Sturdy chrome tripod legs. Screen is $40 \times 40^{\prime \prime}$. Shpr. wt., 12 lbs .
15 H 5005 W $\qquad$ Net 11.95
Same as above. Extra Large $50^{\prime \prime} \times 50^{\prime \prime}$ Super Screen-Ideal for New Super 8 Movies. Shipg. wt., 14 lbs. 15 H 5021 W $\qquad$ Net 18.95

## GLASS BEAOEO SCREEN

Fine grain glass beading for extra brillance excellent viewing. Heavy-duty folding tripod adjustable to various heights. Large $30^{\prime \prime} \times 40^{\circ}$
size. Shpg, wt., 10 lbs.
15 H 5003
Net 6.95

## SUPER 8 MOVIE LIGHT

- Fits All Super 8 Models

Compact, powerful 650 watt tungsten sealed beam lamp will provide sparkling, bright indoor movies. Features top mounting and switch on power cord. Wifl 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 guidé, Shpg. wt., $34 / 2$ lbs. 15 H 8406 $\qquad$

## SUPER 8 QUARTZ MOVIE LIGHT

Fit All New Super 8 Cameras - Tilt Head for $90^{\circ}$ Bounce Uitra compact, advanced long life 650 watt quartz lamp. Completely die cast housing with universal mount, fits all Super 8 Movie cameras. Features tilt head for bounce lighting; On/Off switch on head; adjust for spot and flood lighting. Complefe with cord, Size: $21 / 2 \times 21 / 0$ $\times 31 / \mathrm{s}^{\circ}$. Shpg. wt., 1 lb .
15 H 8408
Net 13.50


## OELUXE ZOOM MOVIE CASE

- Adjustable Shoulder Strap
- Nickel Plated Hardware, Alumi num Valance Across Top For Added Strength
Holds substantially any super 8 camera with attached hand grio. Made of exquisite black vinyl material, firm core and fully lined, with French stitching. Ample space also provided for camera accessories: film, lens filters, Size: $11 \times 101 / 4 \times 334$. Shpg. Wt., 2 ibs,
15 H 1605 15 H 1605


## AUTO-THREAD REEL AND CAN As Low As

A fulty automatic self-threading take up reel. Designed for all standard projectors. Quality constructed with a precision die-cast hub and sturdy flanges. $400^{\circ}$ capacity. Shpg. wt., 1402.
15 H 4105
15 H 4107 200, Capaclty $\quad$ Net 79
15 H $4107200^{\circ}$ Capacity $\qquad$ $\underset{\text { Net }}{\mathrm{Net}} .79$
For Super 8
Reel and Can. $400^{\circ}$ Capacity.
15 H 4106
Net .79

## baia MARK II REVIEWER-EDITOR

## - Single Sprocket Drive $\cdot 3^{1 / 4}$ " $\times 2^{1 / 4}$ " Viewing Screen

Compact Super 8 mm viewer with prismatic shutter magnifies picture more than 300 times. Features slip.in film loading that ellminates 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 $400 . \mathrm{ff}$. capacity rewinds, and a convenient frame marker. Complete with a supply of Mylar splice tape and Uniflex Splicer. Shpg. wt., 4 lbs.

Net 11.95 Same as above but for standard 8 mm . 15 H 3638 Shpg, wt., 4 lbs.

Net 11.95
11
95


- Sharp Super-fast $\mathbf{f / 1 . 8}$ lens - Two-Stage CdS Meter

Set the needle in the finder and SHOOT! The LYNX 5000 combines an easy-to-operate match needle CdS exposure meter with a superspeed t/1.8 fens and a high speed (up to $1 / 1000 \mathrm{sec}$.) shutter. Features a split--mage focus rangefinder, sensitive two-stage CdS meter with on-off switch and ASA range $10-800$. Viewfinder lets you set perfect exposure without removing eye from finder as you compose and focus. Complete with black leather case and strap. Imported. Shpg. wt. 3 lbs.

Net 75.95


TARON "AUTO EE" 35MM
$52^{35}$
with case
No Money Down

- Fast 45 MM f/ 1.8 Lens

Perfect exposures assured by crosscoupled automatic electric eye and shutter mechanism... no needies to line up. Quality features include rapid film advance, automatic counter, builtin self timer, bright viewfinder, and warning signal for over or under exposure. $45 \mathrm{~mm} 1 / 1.8$ coated and color corrected lens focuses from $30^{\circ}$ to infinity with range finder. Meter range: ASA $10-400$. Speeds: B, 1 to $1 / 500$ th $\sec . X$ synch. Complete with black leather case and strap. Imported. Shpg. wt., 3 lbs.
is H $7205 \mathrm{~L} \$ 5$ Monthily
Net 52.95


Bright viewfinder boasts a brilliant clearly defined field of vision. Sensitive selenlum EE photo meter assures correct exposure every time... and automatically too! Fine features include "f" stop indicator in view. finder, single stroke $120^{\circ}$ cocking lever, and warning signal for under or over exposure. Specifications: $40 \mathrm{~mm} / / 2.8$ Taronar lens. Speeds: $B, 1 / 30,1 / 6,1 / 125$, and $1 / 250$ th sec. Meter range: ASA $10-400$. $x$ synch. Supplied with case. Imported. 3 ibs. $15 \mathrm{H} 7203 \mathrm{~L} \$ 5 \mathrm{Monthly}$

500 WATI SLIDE PROIECTOR


- Automatic Slide Changer
- Color Corrected 4 Inch $\mathbf{1 3 . 5}$ Lens
- Quiet Fan Cooled Operation

Designed for simplicity of operation and ease of maintenance, 500 watt lamp assures sharp brilliant pictures. Prolects 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 tamp. Compact- $53 / 4 \mathrm{Hx}$ $14 \mathrm{~L} \times 81 / \mathrm{z}^{\prime} \mathrm{W}$. For $105 / 120$ volts $50 / 60$ cps. Shpg. wt., $71 / 2 \mathrm{lbs}$.
15 H 8401
15 H. 40
466


KOWA "SET" 35MM SLR

## - Behind-The-Lens CdS Meter

- Fast f/1.850MM Lens
versatile SLP uttizes a behind the lens Cas exposure system. Exposure set needle is visible In viewfinder. Features include penta prism viewfinder, microdiaprism focusing. accurate leaf shutter, automatic reset film counter, self-timer with lock, $180^{\circ}$ rapid advance lever, double exposure prevention, and accessory shoe. Speeds: Time, 1 to $1 / 500$ th sec. $M$ or $X$ sync. Meter range: ASA 10.800. (Ev 3.17). imported. Shpg. wt. 2 lbs. 15 H 6304L $\$ 5$ Monthly

with case
No Money Down


## SUPER SCREEN SLIDE <br> EDITOR/VIEWER



- Large 36 sq. In. Super Screen
- Stack Loads Up To 40 Mounted Slides
- Completely Self-Contained--Stores 200 Slides
Permits slide viewing on a large grainiess 6 by 6 inch screen. Semi-automatic slide changer handles up to $402 \times 2$ inch slides at one time. High qually optical system delivers a blg, bright, and clear Image. Simple push-pull system provides fool proof operation. No slide trays are required. Entire unit is housed in its own hi.impact styrene case. 15 H 8407 Shpg. wt., 3 lbs.



## RONICA AUTO S2 35NMM

- Automatic, Semi-

Automatic, or Manual - Fast 45 mm F1. 8 Lens

- CDS Electric Eye
$89^{95}$


## No Money Down

Simply set shutter speed and shoot. Fully automatic electric eye controls aperture for correct exposure. Shutter locks in improper light. Features IGL (insta-grip loading), short stroke film advance, battery test button, expanding and contracting field for matching varying fiefd size while focusing, and $10: 1$ villo Cos electric eye. Specifications: 45 mm 11.8 6-element Hexanon lens. Speeds B, $1-1 / 5$ coth sec. in 10 settings. $X$ or $M$ synch. Imported. Shpg. wt., 3 lbs.
15 H $7606 \mathrm{~L} \$ 5$ Monthly $\qquad$ Net 89.95


- Projects all $2 \times 2$ Slides
- Lever Focusing-0ff/On Switch

Compact projector uses a wide angle coated 3 -Inch lens for sharp, brilliant color pictures. Utilizes optional jamproof slide cartridges for fast, easy set-up. Features double condenser precision optical system, elevation control, and standard easy change bulb. Use with or without cartridges. Size: 7"L $x$ $2 " H \times 4-W$. U.L. listed. Shpg. Wt., $14 / 2$ lbs. $15 \mathrm{H} 3635 \ldots$ Net 11.95 Set of four sllide carriers for above projector. Holds 24 slides.
15 H 3636 Shpg. Wt., $1 / 2 \mathrm{lb} . .-\ldots$ Net .95

KAPCO SLIDE PROJECTOR
on Easy Pay Plan-No Money Down


## MIPANDA "SENSOREX" $209^{95}$

with case No Money Down

- Behind-The-Lens CaS Exposure Meter

\author{

- Variable Delay Self-Timer
}

Fully automatic SLR camera utilizes cross-coupled behind-the-lens CdS electric eye (ASA range 25-1600 and EV 3-18) and ultra-sharp Auto Miranda lens. Multi-split-grid resolves into perfect clarlty when pin point focus is achleved. Features interchangeable lens mount, built-in self timer, instant return mirror, open diaphragm focusing, Interchangeable viewfinders, and rapid advance $150^{\circ}$ cocking lever. Complete with bulit-in varlable delay timer. Includes case and strap. Specifications: 50 mm f1.9 lens. Speeds: $8,1-1 / 1000$ th sec. FP 8 o
15
H 3711 L
synch. Imported. Shipg. wt., 3 lbs. 15 H 3711 L \$11 Monthly

Net 209.95


## MIRANDA "G" 35MM SLR

- Interchangeable
Ground Glasses
- Self Timer Speed
To Sec.
Uniquely designed with such fine features as pentaprism viewfinding, lockable quick return mirror, focal plane shutter, interchangeable focusing screen, single stroke film advance lever, self-timer, and double exposure prevention. Utilizes extremely large mirror for full view of image with telephoto lens (up to 800 mm ). Specifications: 50 mm f1.9 6-element lens. Focusing: 17 inches to inf. Speeds: 8, 1 to $1 / 1000 \mathrm{it}$ sec. FP or $x$ synch. with case. imported. Wi., 3 lbs. $15 \mathrm{H} 3712 \mathrm{~L} \$ 9$ Monthly


## YACHICA J. 735 mm REFLEX

- Thru The Lens Viewing
15495
- Curtain Type Focal
with case
No Money Down
Precision single lens reflex camera with focal plane shutter utilizes direct reading shutter coupled CdS exposure meter (ASA range 12-800). Features microscreen spot for sharp focusing. single stroke film advance, and salf timer. Specifications: 50 mm fast 1.76 -element lens. Focusing: 1.75 ft . to inf. using fully automatic diaphram with depth of field preview control to permit manual operation. Speeds: 8, $1-1 / 1000$ th 5 sec . FP or $X$ synch (at $1 / 60$ th sec.) Imported. 15 H 3632 L Shpg. wt., 4 lbs. Net 154.95



## 200 PHOTO

Makes Your Camera TelephotoBrings Distant Objects From 7 to 12 Times Nearer
ENLARGES

## T

то THIS $\cap \geq 95$

- 40 THIS Objective Lens
- Fits Series V and VI Adapter Rings

Now you can take exciting telephoto pletures with your single tens
or twin lens reflex camera. No need to miss those once in a shats. Increases the focal No need to miss those once in a lifetime 12 times. Zoom monocular ln use with 50 Mamera lens from 7 to 12 times. 2oom monocular in use with 50 MM lens gives you a choice of any focal length from 350 to 600 MM . Converters supplied to fit any series $v$ or VI adapter rings. Only 6 . . long. Supplled complete with converters, leather case, and wrist strap.
Imported. Wt. 2 lbs. 99 H 7211

FRONT PHOTO FOCUS

## MONOCULAR

MAKES YOUR CAMERA TELE. PHOTO-Brings Oistant Objects From 6 to 8 Times Nearer
ENLARGES
THIS


TO THIS

## YASHICA "TL-Super" 35 MM SLR

 - Thru-The-Lens
## - Speeds To

1/1000thSelf Timer
$184^{95}$
184 No Money Down Yashica "TL-Super" SLR features a fast 50 $\mathrm{mm} / / 1.7$ 6-element lens and curtain-type focal plane shutter for sharp, clear pletures. Advanced "twin cell" behind-the.lens CdS meter uses simple match needle system. Fine features include pentaprism viewing. automatic return mirror with lockup, self timer, single stroke film advance, automatic X-FP sync. and flash/accessory shoe. Speeds: 8 , it to $1 / 1000$ th sec. Meter Range: ASA 25-800 (EV 2-18). Imported. Shpg. Wt., 4 lbs .
15 H 3634L $\$ 10$ Monthly $\qquad$ Net 184.95


Take-super-telephoto pictures with your single lens or twin-lens reflex camera. The front focus system is specially made for oncamera operation. There is no need to miss those once-In. allifetime shots. Increases focal length of your camera lens $6 X, 7 X$ or $8 X$ depending on model selected (i.e. 50 mm lens plus $8 x^{\prime}$ monocular equals 400 mm telephoto). Rugged, "lghtweight construction-weight only $71 / 2$ ounces; is only 5 inches long. Includes series VI adapter ing and leather case. Imported. Sthpg. wi., 1 lb .
99 H $70726 \times 30 \mathrm{~mm}$
99 н $70737 \times 35 \mathrm{~mm}$ Net 11.95 $99 \mathrm{H} 70748 \times 30 \mathrm{~mm}$

# Popular Accessories For Every Purpose 

LAFAYETTE TRANSISTORIZED ELECTRONIC STROBE FLASH $16^{95}$

- Lightweight \& compact
- Fully Transistorized - Operates On 4 Economical "Z" Cell Batteries
Now you can have a high-oowered transistorized electronic flash that operates from standard AC house current of a economical " 2 " cell batteries. Compact and feather-weight-no power pack is required. Flash duration of $1 / 2000$ seconds for fast picfures. Recycling time: 6 to 8 seconds; color temperature: $5800^{\circ}$ Keivin. Gide number dial for $F$ stop on back. Mounts either vertically or horizontally. Fits any camera shoe. Complete with AC cord, camera cord, and batteries. Imported. Shpr. wt., 2 lbs.


## 99 H 7184

Net 16.95
99 H 6258 Extra batteries for above ( 4 req )
Net ea. . 10

## 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 quality transistorized circuitry. Uses two "C" type batteries or AC. Solid state circult for low battery drain and constant high intensity output. F-stod computer, retractable pc cord and "hot center contact" for cameras with "hot shoe." Guide No's: Kodachrome II (ASA 25) 44; (ASA 64) 63; Trl-X (ASA 400) 176. Color temp: $5.600^{\circ} \mathrm{K}$. Angle of litumination: Vertical; $50^{\circ}$. Horizontal: $58^{\circ}$ Ready light indicator. Imported. Shpg. wt. $21 / 2$ lbs. 15 H 3715
15 H 3715 Almaline Batteries for above (2 req.) .......... Net ea. ${ }^{29} \mathbf{~ H} 6293$. 35

## LAFAYETTE FLASH CUBE GUN



Only 249

- Update Your Camera to Use Flash Cubes

Now any camera can use the new flash-cubes! Simple tringer mechanism revolves the cubes with automated convenience. $B C$ type unit for low battery draln. Compact unit takes one 15 volt battery. Push button battery tester light neon bulb, to indicate battery condition. Easy to read ASA exposure table 712" sync-cord with PC Connector fits most cameras. imported. Shps. wt., $1 / 2 \mathrm{tb}$. spring actlon bulb ejector Bright neon circult testlight indicates that circult is fully energized and ready to "shoot." Completely re. tractable PC cord. Useful exposure indicator dial. Complete with vinyl case. Less Battery. Imported. Shpg. wt., 1 lb.
99 H 7187

99 H 6027 Battery for above


- TelephotoTwice As Close!
- Wide Angle75\% More

Telephoto shots - wide angle shots of ex. treme close ups. Easy as $\mathbf{1 - 2 . 3}$ with the new auxiliary tenses. 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 $75 \%$ more area with the Wide-Anale. Use with any color or Glack and white film. Auxiliaries and close-ups mount by means of series 6 or 7 adapter ring. Imported. Shpg. wt., of each auxiliary lens approx. 6 ols. Imported.
AUX. TELEPHOTO LENS (A)
15 H 4925L (Series 6)
15 M 4927 (Series 7
AUX. WIDE ANGLE LENS 15 M 4926L (Series 6)
15 H 4926 L (Series 6)
15 M 492 L (Series 7) Net 12.95 LENS (B) 15 M 4929

Net 8.95

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 tens and resylts 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 $100,101,103,230$ 240. 250

15 M 4923 Shog. wt. 2 Ibs. Net 29.95 is M 4930 (for Mode is 104, 210, 220)

For Model 20 "Swinger" Net 24.95 15 M 4931

AOD WIDE ANGLE \& TELEPHOTO TO INSTAMATIC MODEL 104 \& 154
…............Net 17.50 is H 3452 Telephoto Lens

Add professional quallty to your Instamatic 104 and 154 pictures with these easy-touse custom made specialty lenses. No adjustments are necessary. Just slip on the lens and shoot! The telephoto lens increases the focal length and results in a magnification of about 2 times the image size, while the wide-angle lens boosts the subject coverage through an area increase of about $75 \%$ as compared with the normal lens. Each lens includes a built-in view-finder adaptor to give you a true perspective of the shot you are taling. Shipg. wt., $1 / 2 \mathrm{lb}$. is H 3451 Wide-Angle Lens

Net 5.95
Net 5.95


## POLAROID ${ }^{\text {a }}$ CLOSE UP KIT

- Add professional close. up quality to your pictures
- 3 lenses-carrying case

Focus as close as 6 inches from your subject. Take por. traits - small still lifes - do photocopring. Includes 3 snap-on close-up lenses, leather case and built-In tape for accurate focusing. For Color Pack Cameras Models 240, 230 135. 103. 102, 101 and 100. Shpg. wt., 8 ozs. 15 H 3012 L

## LaFAYETTE CdS EXPOSURE METER

## NOT A KIT! Completely Wired <br> Only <br>  <br> SHOWN ACTUAL SIZE

 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 inciuding extremely low light levels for night or available 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 adjustment and two mercury batteries (included) assure accuracy over long continuous Use. Cushioned jewel mechanism and high impact case, $4 \% \times 21 / 2 \times 1 / 8 " D$, Comes with soft leather case. Imported. Shpg. wt., 13 oz.

## 99 H 7197 L

Net 15.95
15 H 1609 Hard leather eveready case w/strap. Wt., 602
Net 3.95
Sensitivity: Low Range, 0.44 to 110 footcandles; High Range, 110 to 28,000 footcandles, ASA Film Speed Range: 6 to $12,000\left(1^{\circ}\right.$ to $12^{\circ}$ ). Diaphragm Stops: 1/0.5 to $1 / 64$. Shutter Speeds: $1 / 4000$ second to 30 minutes, Movie Scale: 4 to 128 frames per second. EL.LVS Scale: -12 to +22 . Acceptance Angle: $15^{\circ}$ Tele, $45^{\circ}$ Std, $75^{\circ}$ Wide Angle. Color Response: 5,600 Angstroms (peak).
Photocell Type: Cadmium Sulphide, Batteries: 2 Mercury, (Mallory 625R or Photoce.

## ELEVATOR TRIPOD

## - Tri-Tilt Head <br> - Velvet Smooth Panning

For any small camera -35 mm , reflex or movie. Compact and lightweight... folds to $16^{\prime \prime}$, extends to $47^{\prime \prime}$ plus $7^{\prime \prime}$ with geared center elevator. Single action tilt/pan and $180^{\circ}$ swing over for verifical and horizontal format pictures. Postive lock, folding crank. Chrome plated brass legs. Weighs 31 Oz . Imported. Shog. wt., $21 / 2$ lbs.
99 H 7029
Net 6.95
"PRO" ELEVATOR TRIPOO. Deluxe model for heavier cameras. Aluminum construction. Completely rigid to full height. Extends to $462 / 2^{\prime \prime}$.'gear drive elevator adds $10^{\prime \prime}$. Closes to $22^{\prime \prime}$, Pans $360^{\circ}$, tilts $180^{\circ}$, Positive leg stops, rubber tlpped feet. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.
15 H 7202
Net 11.95

## DROP FRONT "PRO"-BAGS

The perfect accessory bag for professionals or camera bugs. 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 vinyl materlal, with red corduroy lining and non-jam zipper. Leather loops, hand strap and
 front hey lock.
15 H 1606 PRO 11 Size: $11 \times 91 / 2 \times 53 / 4^{\text {m }}$. Shpg. wi., $21 / 2$ lbs. Net 8.95 15 H 1607 PRO 13 Size: $13 \times 10 \times 6^{\circ}$. Shpg. wt. 3 lbs. Net 9.95 15 H 1608 PRO 16 Slze: $16 \times 7 \times 91 / 2^{2}$. Shpg. wt., $31 / 2$ lbs.

Net 9.95

## REMOTE SHUTTER RELEASE

## - 20 Ft . Long

Desipned to permit the camera to be used from distances up to 20 feet from the photorrapher. Simplifles nature shots. Excellent for candid shots of children. Has a professional rubber bulb. Shpr. wt., 8 ozs. 15 H 4902 L

Net 4.95

An extremely sensitive Cadmium Sul. fide exposure meter. Perfect for all types of photography either indoors or outdoors. Perfect for all high or low level lighting. May be held in the hand, around the neck, of attached to camera. Film sensitivity scale: ASA6 to 12,000. Exposure time scale 8 sec. to $1 / 1000 \mathrm{sec}$. Lens aperture $/ / 1$ to $\mathrm{f} / 32$. Light value scale (EV): LVA to 17. Movie scale 8 to 64. Measures reflected or incident light. Complete with mercury battery, leather carrying case and car. rying/neck cord. Shpg. wt., 1 lb . 99 H 7186 . Imported

## 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 $\mathrm{f}: 1$ to $\mathrm{f:32}$. ASA scale 6 to 800 . LVS scale 1 to 18 . Cine scale $8,16,24$, and 32 trames per second. Booster cell makes possible readings at extremely low lizht levels, Small - rugged - lightwelght. Includes booster cell, leather case, neck cord and instructions. Shpg. wt., 1/2 lb. Imported. 99 н 7033 $\qquad$ Net 6.95

## "35" CLIP-ON EXPOSURE METER

- ASA Scale 10 to 1000
- Measures Reflected and Incident Light
Exceptionally convenient exposure metef. 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 f:1.4 to 1:22. Mounts on camera or may be hand held. Complete with leather case and instructions. 99 H 7034 Shpg. wt., $1 / 2 \mathrm{lb}$... Net 3.95


(A) 35MM SLIDE SORTER

The iltuminated $11^{\prime \prime} \times 15^{\prime \prime}$ inspection screen is large enough to see a whole tray full of slides (35) at one time. Folds flat in a liffy for compact storage, built-in illumination with on-off switch. 6 ft . line cord: can be used with 110 or 120 volts. AC or DC. Size: $15 \times 81 / 2 \times 812^{\prime \prime}$.
15 H 3616 Shpg. wt., 3 lbs. $\qquad$ Net 2.59

## (B) CLAMP TRIPOD

An indispensable photographic accessory. Combines in one small unit, a clamp, tilt top, and table top tripod. Legs stored in shaft. Witl clamp to trees, pipes. light stand, car, window. etc. Supplied complete with cipper case. Shpg. wt., I lb.

Net 5.38

## (C) ELECTRIC TABLE VIEWER

Accepts all size slides from 35 mm to $23 / 4^{* *} \times$ $21 / 4^{\prime \prime}$. Provides $11 / 4$ times magnification. Transparencles llluminate and enlarge through a fine optically ground and polished lens. Equipped with bulb, socket, on off switch, 6 ft . cord and plug. All steel con struction. For 110 V AC.
15 H 5002 Shpg. wt., 2 lbs. $\qquad$ Net 4.95

## (D) 15-SECOND SELF TIMER

Fits in the cable release of all cameras. Special adapter for Leica-type release soc. kets. Plunger length adjustable to protect shutier. Retracts after picture has been taken. Set for 15 seconds or less. !mportied. 15 H 7701 Shpg. wt., 402.
(E) $2 \times 2$ SLIDE FILES

Portable file for $\mathbf{3 5 m m}$, Instamatic stidesholds $3002 \times 2$ 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 polystyrene. Shpg. wt., 2 lbs.

## 15 H 5022

$\qquad$ Net 1.79

## (F) COMBINATION GRIP AND

## BOUNCE FLASH BRACKET

This new combination grip and utility bracket Is better than a third hand. Molded pistol grip provides solld grip for any camera. Particularly useful for SLR's and iwin lens reflex. Accessory bracket provides mount for flash guns, meters and strobe lights. Affords ultra safe carry for valuable cameras and accessories. Shpg. wt., 1 ib.
accessories
99 H 7190

## -

- $\qquad$ _ Ne

Net 3.29

## PROJECTION LAMPS

| Stock Mo. | ASA <br> Code | Watts | Type Base | $\begin{aligned} & \text { Net } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 99 H 7119 | CLS | 300 | Bayonet | 1.49 |
| 99 H 7118 | CLX | 300 | Bayonet | 1.49 |
| 99 H 7119 | CMV | 300 | S.C. Bay | 1.49 |
| 99 H 7120 | CYC | 300 | S.C. Bay | 1.49 |
| 99 H 7126 | CWD | 300 | Prefocus | 1.69 |
| 99 H 7121 | EDK | 500 | Bayonet | 1.49 |
| 99 H 7122 | CZX | 500 | Prefocus | 1.69 |
| 99 H 7123 | DAK | 500 | Prefocus | 1.89 |
| 99 H 7124 | DDB | 500 | Prefocus | 2.15 2.49 |

## LAFAYETTE AG CUBE ADAPTER

## $99^{\circ}$

- Fits All Cameras with Flash Cube Sockets
- Economical to Use

Now you can make your own flash cube by simply inserting 4 AG-type bulbs into this sturdy reuseable adapter. Buying bulbs in quantity saves money. ends problems of buying expensive flashcubes. It will fit any camera with a flash cube socket. Imported. $11 / 2^{\prime \prime}$ square. Shpg. wt., 3 oz.
99 M 7207
Net Es. . 99

## Dynachrome color film WITH PROCESSING

- Beals the High Cost of Color Film
- Same Fine Pictures
- Processing Included Direct To Your Home
Dynachrome film is the newer, faster color film now in demand. Same reversal type, same natural colors, same supert quality. Only the price is different-it's almost like getting the processing free. And the low price includes processing direct to your home. Av. Shpg. wt., 6 oz.

| 15 H $1808 \mathrm{~L} 8 \mathrm{~mm}, 25 \mathrm{ft}$. Double Roll Daylite ASA 25 15 H 1809 L 8mm, 25 ft . Double Roll Indoor ASA 40 | Net 2.59 <br> Net 2.59 |
| :---: | :---: |
| Super 8 mm 50 ft . Cartridge Indoor/Outdoor ASA 40 15 H 18161 | Net 3.15 | 15 H 1816 L $\qquad$ COLOR MOVIE FILM

Av. Shpg. wt., 6 oz.
15 H $1818 \mathrm{~L} 35 \mathrm{~mm}, 20$ Exp. Daylight ASA 64
$64-\ldots$ Net 2.39 Net 3.39
15 H $1819 \mathrm{~L} 35 \mathrm{~mm}, 36$ Exp. Daylight ASA 64 $\qquad$ Net 2.39 15


## WESTINGHOUSE FLASHBULBS

| Stock No. | $\begin{aligned} & \text { IN QUAN } \\ & \text { Limp } \\ & \text { Type } \end{aligned}$ | TIT AND Pkg. Quan. | SAVE Per Pkg. | In Lots of 3 en. |
| :---: | :---: | :---: | :---: | :---: |
| 15 H 4724 | AG-1 | 12 | 1.19 | 1.05 |
| 15 H 4725 | AG-18 | 12 | 1.19 | 1.05 |
| 15 H 4722 | AG. 38 | 12 | 1.49 | 1.35 |
| 15 H 4727 | M2 | 12 | 1.25 | 1.10 |
| 15 H 4726 | M28 | 12 | 1.25 | 1.10 |
| 15 H 4728 | M3 | 12 | 1.49 | 1.35 |
| is H 4729 | M38 | 12 | 1.49 | 1.35 |
| 15 H 4730 | 5 | 12 | 1.49 | 1.35 |
| 15 H 4731 | 58 | 12 | 1.49 | 1.35 |

## Shps, wt., 802.

## FLASHCUBES

Package of 3, 4-shot flashcubes. Shpg. wt., 5 oz.
15 H 2632

## REPLACEMENT KIT FOR POLAROID ${ }^{\circ}$ WINK-LIGHT

Klt contains both battery and bulb for replacement in Polaroid WINKLIGHT. Manufacturer recommends both battery and bulb be replaced together to Insure well lighted shots. Shpg. wt., ill 1 ib 32 H 4852
 put it into the mailer, 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 $31 / 2 \times 5^{\prime \prime}$ giant prints with Kodacolor and Black and White (except 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, you will receive coupons FILM TO LAFAYETTE RAOIO.

Av. Shpg. Wt., 6 oz .

| KODACHROME MOVIE FILM-TYPE II ASA Index 25 Daylight- 40 " A " Indoor |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Flimsize Description |  |  | Net |
| $\begin{aligned} & \text { Stock No. } \\ & \hline 15 \mathrm{H} 4703 \mathrm{~L} \\ & 15 \mathrm{H} 4704 \mathrm{~L} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { KR459 } \\ & \text { KRA459 } \end{aligned}$ | $8 \mathrm{~mm}, 25 \mathrm{ft}$. Double roll, Dayllght $8 \mathrm{~mm}, 25 \mathrm{ft}$. Double roll, " $A$ " Indoo |  |  |
|  |  |  |  |  |
|  | KODAPAK MOVIE FILM FOR SUPER 8 |  |  |  |
| 15 H 470SL | KA-464 Super $8 \mathrm{~mm} 50 \cdot \mathrm{ft}$. Cartridge, Indoor/Outdoor |  |  | Net 3.75 |
|  | XOOACHROME 35MM, TYPE II AND X Type il ASA index 25 Type $X$ ASA index 64 |  |  |  |
| 15 H 4706L | $\begin{aligned} & \text { KR135-20 } \\ & \text { KR:135.3 } \\ & \text { KX135.20 } \\ & \text { KX135-36 } \\ & \text { KX126 } \end{aligned}$ | 35 mm , Type 11, 20 E |  |  |
| 15 H 4707L |  | 35 mm , Type II, 36 Ex |  |  |
| 15 H 4708L |  | 35 mm , Type $X$. 20 E |  | 2.80 |
| 15 H 4709L |  | 35 mm , Type $X, 36$ E |  | 4.25 2.00 |
| 15 H 4710 L |  | stamatic |  |  |
| FOR COLOR SNAPSHOTS |  |  |  |  |
| 15 H 47111 | CX-127 | 127 Indoor/outdoor. |  | 3. |
| 15 H 4712 L | CX- 120 | 120 indoor/ outdoor, |  | 3 |
| 15 H 47131. | CX- 620 | 620 indoor/ outdoor, |  | 3. |
| 15 H 47141 | CX-126 | instamatic cartridge, |  | 3.29 3.99 |
| 15 H 4715 L | CX-135 | 35 mm Indoor/Outdoor |  | 3.99 |
| KODAK BLACX \& WHITE ROLL FILM |  |  |  |  |
| 15 H 4716L | VP. 126 <br> VP. 127 <br> VP. 120 <br> VP-620 <br> PX135.20 <br> PX135-36 | Instamatic Cartridge | 12 Ex | 1.4 |
| 15 H 4717 L |  | 127 Verichrome Pan | 12 Ex | - |
| 15 H 4716L |  | 120 Verichrome Pan | 12 Exp | -1.25 |
| 15 H 4719 |  | 620 Verichrome Pan | 12 Exp | - 1.25 |
| 15 H 4720L |  | 35 mm , Plus $X$ | 36 Exp | 2.38 |
| 15 H 4721 L |  | 35 mm , Plus X | 36 | 3.4 |

# High Quality Drop-Forged Steel Socket Sets 



17 PIECE $1 / 4^{\prime \prime}$ DRIVE SOCKET SET Heavily chrome plated socket set, Con.
 $3 /{ }^{\prime \prime}$. K" ${ }^{\prime \prime}$. $1 / 2^{\prime \prime}$. 8 PI. socket sizes: $1 / 4^{\prime \prime}$, Ko $^{\prime \prime}$ Plus $2^{\prime \prime}$ extension. $6^{\prime \prime}$ extension, 51/4" flex handle, $41 / 2^{\prime \prime}$ crossbar. $51 / 2^{\prime \prime}$ reversible ratchet. Each set packed in heavy gauge lacquered metal box. Imported. Shpg. wt., 2 lbs. 13 H 5564.


12 PIECE $3 / 8^{\prime \prime}$ DRIVE SOCKET SET Precision drop forked socket set entirely chrome plated and highly polished. Contalns
 $3 / 4^{\prime \prime}$. Plus $3^{\prime \prime}$ extension, $9^{\prime \prime}$ Flex handle, $6^{\prime \prime}$ crossbar, $8^{\prime \prime}$ reverslble ratchet. Entire 12 plece socket set comes complete in heavy gauge red lacquered box. Imported. 13 H 5592 ShDr. Nt., 4 lbs.

Net 7.69


## 19 PIECE $1 / 2^{\prime \prime}$ DRIVE SOCKET SET

## Quality steel precision socket set. Contains:

 12 Pt . socket sizes: $7 / 16^{\prime \prime}, 1 / 2^{\prime \prime}, 9 / 16^{\prime \prime}$. $5 / 8^{\prime \prime}, 11 / 16^{\prime \prime}, 3 / 4,13 / 16^{\prime \prime}, 7 / 8^{\prime \prime \prime}, 15 / 16^{\prime \prime}$. $1^{\prime \prime}$ ik "". $11^{\circ \prime}$. Plus: $5^{\prime \prime}$ and $10^{\prime \prime}$ extension. 15" flex handle, sliding T-bar, $17^{\prime \prime}$ speeder handle, $10^{\prime \prime}$ reversible ratchet. Packed in heavy red lacquered metal box with handle. Imported, 13 M $5563 \ldots$ Shpg. wt. 15 lbs.... Net 15.95
## REVERSIBLE RATCHETS

## As Low As <br> 



Professional Quality. Highly chrome plated. Imported. Shpg. wt., $1 / 4 \mathrm{lb}$. 13 H 5560 3/" drive; $8^{\prime \prime}$ length Net 2.75
 21 PIECE $1 / 4^{\prime \prime}$ AND $3 / 8^{\prime \prime}$
Contains: $Y_{4 \prime \prime}^{\prime \prime}$ drive, 6 Pt, socket slzes: Ko"
 $3 / 4^{\prime \prime}, 1^{\prime \prime}$, Plus: $8^{\prime \prime}$ reversible ratchet, spinner handle, $3^{\prime \prime}$ extension. $6^{\prime \prime}$ extension. $7 / 8^{\prime \prime}$ Drive: 12 Pt . socket sizes: Ko". $5 \mathrm{a}^{\prime \prime} 1 \mathrm{k}{ }^{\prime \prime}$ spark plug socket (with neoprene Insert), aoaptor; 3 " to $1 / 4^{\prime \prime}$ drive, in metal box. Imported.
13 H 5558 Shpg.' wt., 4 lbs.
Net 8,95

13 H $55591 / 2^{\prime \prime}$ drive; $10^{\circ \prime}$ length Net 3.25


A professional quality spark plug socket of chrome plated drop forged steel with neoprene insert. $3 / 6^{* \prime}$ drive; shpg. wt. $1 / 4 \mathrm{lb}$.
13 H 5561
$1 / 2$ " drive; shpg. wt., $1 / 4 \mathrm{ib}$.
Net .89
13 H 5562
Net .89

## As Low As <br> 

PROFESSIONAL TORQUE WRENCHES


Chrome plated $1 / 2^{\prime \prime}$ drive square with accurate pointer indicating tprque applied in either direction in ft/lbs. Scale exceeds federal specifications. GGG-W-00686A, Type 1, Class 1, Style A. Overall length 195/8". Scale graduated in $5 \mathrm{ft} / \mathrm{lb}$. steps. Complete with booklet, tips on torque. $0.100 \mathrm{ft} / \mathrm{ib}$. Popular model for auto work. For normal auto maintenance.
13 H0141 Shog. wt., $11 / 2$ lbs.
Net 6.95 $0-150 \mathrm{ft} / \mathrm{lb}$, unit for larger displacement engines, trucks, efc.
13 H 0142 Shpg, wt., $21 / 2$ lbs.
Net 10.95

## 3 DRAWER TOOL CHEST 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: Box B1/2"Dx 104/4" $\mathrm{Hx} 20^{\prime \prime}$ long; 3 drawers - $71 / 2^{\prime \prime}$ Dx1 $1 / 2^{\prime \prime} \mathrm{Hx} 181 / 4^{\prime \prime}$. Shpg. wt., 18 lbs, 13 H 1950

HEAYY

## HEAVY DUTY MACHINIST'S CHESTS

- Electrically Welded Heavy Duty Steel
- Ten Felt-Lined Drawers
- Pin-Tumbler


## Chest Lock <br> AS LOW AS 95 <br> AS LOW AS 95 <br> AS LOW AS 95 <br> 

 $(\omega)=-\square$ - CHROME PLATED $11^{95}$
## 21 PIECE 3/8" DRIVE SOCKET SET

Pracision quality socket set. Contains: 12 Pt . socket sizes: $3 / 8^{\prime \prime \prime}, 7 / 16^{\prime \prime}, 1 / 2^{\prime \prime}, 9 / 16^{\prime \prime}, 5 / 8^{\prime \prime}$. $11 / 16^{\prime \prime}, 3 / 4^{\prime \prime} .12^{\prime} \mathrm{Pt}$, deép socket sizes: $3 / 8^{\prime \prime}$ ", $7 / 16^{\prime \prime}, 1 / 2^{\prime \prime}, 9 / 16^{\prime \prime}, 5 / 8^{\prime \prime}, 11 / 16^{\prime \prime}, 3 / 4^{\prime \prime}$. $13 / 16^{\prime \prime}$. Plus: 3" extension. $\mathbf{g}^{\prime \prime}$ flex handle, $6^{\prime \prime}$ crossbar, unlversal Joint, $8^{\prime \prime}$ reversible ratchet. Packed in heavy gauge red lacquered metal box with handle. Imported. Shpg. Wt., 5 lbs. 13 H 5565 Not 11.95

Heavy gauge steel chest with 10 felt Ilned drawers for storage and protectlon of tools. Rugged construction with intre-
 gal 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 a fitted compartment when open. Overall size: $81 / 2^{\prime \prime} \times 171 / 2^{"} \times 20^{\prime \prime}$, Tilt in top $81 / 2^{\prime \prime} \times 4^{\prime \prime} \times 20^{\prime \prime}$, 6 drawers $71 / 2^{\prime \prime} \times 1^{\prime \prime} \times 85 / 6^{\prime \prime}$. Others $71 / 2^{\prime \prime} \times 2^{\prime \prime} \times 856^{\prime \prime}, 71 / 2^{\prime \prime} \times 11 / 2^{\prime \prime} \times 181 / 4^{\prime \prime}$, $712^{\prime \prime} \times 23 / 4^{\prime \prime} \times 18 y^{\prime \prime}, 712^{\prime \prime} \times 3^{\prime \prime} \times 18 y^{\prime \prime}$. Shpg. wt., 40 ibs.
13 H 1954WX $\$ 5$ Monthly
Net 32.95
7 Drawer Machinist Chest. Same as above except has 7 drawers, Overall Size: $81 / 2^{\prime \prime} \times 131 / 4^{\prime \prime} \times 20^{\prime \prime}$. Tilt in top $81 / 2^{\prime \prime} \times 4^{\prime \prime} \times 20^{\prime \prime}$. 4 drawers $712^{\prime \prime} \times 1^{\prime \prime} \times 8^{5 / / 8^{\prime \prime}}$. Others $71 / 2^{\prime \prime} \times 2^{\prime \prime} \times 85 / 8^{\prime \prime}, 71 / 2^{\prime \prime} \times 11 / 2^{\prime \prime} \times 181 / 4^{\prime \prime}, 71 / 2^{\prime \prime} \times 23 / 6^{\prime \prime} \times$

13 H 1952WX

\title{

Battery Chargers, Boosters and Inverters

## SCHAUER



- 12 Volt Combination Battery Charger and Booster
- 50 Amp Booster
- 10 Amp Charger


## $29^{95}$

Perfect for starting cars with discharged 12 volt batteries. Develops boost charge up to 50 amperes when aftached to $A C$ line and battery, sufficient to turn over the average engine. Charges 12 volt batteries at 10 ampere rate in $21 / 2$ to 3 hours. Temperature controlied circuit breaker protects rectifiers and charger. Size: 94/8x $51 / 6 \times 57 / \mathrm{B}^{-}$. UL listed. Shpg. Wt., $131 / 4$ lbs
11 H 5515
HY-CHARGE 2-IN- 1 BATTERY CHARGER


- For 6 \& 12 Volts


## 95

Automatic Circuit Breakers The Hy-charge battery charger keeps all 6 and 12 volt batter. es fully charged for peak per es funite cuen at $40^{\circ}$ below formance 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解 and wall bracket. Size. $5 \times 342 \mathrm{~A}$. UL listed. Net 4.95 11 H 7602

## SCHAUER G-AMP BATTERY CHARGER



- For $6 \& 12$ Volts
- Built-in Meter
- Automatic Circuit Breaker


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. Charg. ep 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 V AC., 60 cps . UL Listed. $93 / 8 \times 6 \times 61 / 2^{\prime \prime}$ IIH 5518 Shpg. wt., 9 lbs.

## CORNELL DUBILIER MODEL 12TV12 DC TO AC INVERTER



Model 12 TV 12 converts 12 volt $D C$ to $110-120$ volt $A C$ at 60 cycles. Designed primarily for television recelvers, tape recorders, phono. graphs and other frequency sensitive devices.

SPECIFICATIONS
Input: 12 volts (a) 12 amperes (full load); Output 120 watts continuous, 140 watts intermittent: RF filtering on both input and output $83 / 4 L \times 71 / 2 \mathrm{Wx} 31 / 4{ }^{\prime \prime H}$. Wt.. $133 / 4 \mathrm{lbs}$. Shpg. wt., 16 lbs.
II H 1825W $\$ 5$ Monthly
39.95

11 H 1825W $\$ 5$ Monthly .............. 12 TV12-Provides safe, secure Model MK-3544-4 Mounting Kit for 12 . Supplied with all neces. sary mounting hardware. Shpg. wt., 2 ibs. 11 H 1826

\section*{SURE-FIRE 8-AMP AUTOMATIC BATTERY

## SURE-FIRE 8-AMP AUTOMATIC BATTERY CHARGER WITH G-HOUR TIMER



- For 6 \& 12 Volts
- Colored Meter Automatic 6-Hour Timer
- Trickle Charge

Automatic timer can be set from 5 -min. to 6 -hrs. After timer shutsoff, charger automatically into a trickle charge cycle which keeps battery fully charged. Uses silicon rectifiers and features automatic circuit breakers. Color meter shows rate of charge. With 6. power cord, 50 -amp clips attached to battery cables. 117 VAC. $10 \times 61 / 2 \times 71 / 2^{\prime \prime}$. UL Listed. Shpg. Wt., 15 lbs .

## 11 H 7607

Net 21.95


- For Both $6 \& 12$


Volts

- Built-in Meter
- Automatic Reset Circuit Breaker Full 3-amp battery charger for quick starts in all weather Edge view colored meter shows actual rate of charge and indicates battery condition. Reset cir cult breaker gives automatic overload protection. Has 6 and 12 volt selector switch. Delivers tapering charge. vented steel case; mav be wall mounted. 6 ft . battery leads with 50 amp clips. size: $6 \times 41 / 2 \times 53 / 4^{\prime \prime}$. For oderation from $105-125$ volt. 60 cycle AC UL Listed. Shpg. wt., 5 lbs.


## 11 H 7604

Net 8.49

## SCHAUER

10- AMP BATTERY CHARGER


- For 6 \& 12 Volts
- With Meter
- Automatic Circuit Breaker


Model C.6612. Heavy-duty 10 -amp charger for 6 or 12 volt battery, which will bring the battery to full charge in 2 to 6 hours or less. Equipped with an automatic circuit breaker for overload protection. Selector switch for changing voltage. Accurate am. meter show rate of charge entering battery. Rugged steel case with gold colored finlsh and two-tone brushed aluminum. Complete with cables. 117 V AC, 60 cps . Shpg. wt., 12 lbs.

Net 16.25

## 11 H 5519

## CORNELL-DUBILIER "POWERCON"

DC TO AC INVERTERS-
SQUARE WAVE OUTPUT
as low as
$8^{54}$

Deluxe inverter power supplies for providing AC power for cars, trucks, aircraft and boats. Ideal for operating a wide variety of equipment. Inverters are efficient vibrator type with 110 volt AC 60 cycle square wave output which features superior "hash-free" filtering. For $C B, N$, tape recorders, phonos, radios, and hi-fl. Also office machines, shavers, tools, etc. Wattage required determines Inverter to be selected. Intermittent ratings listed are for loads with $70-100 \%$ power factor.

| Stock Me. | Mfr's Тур: | Inaut VOC | Con | Int. | $\begin{gathered} \text { sire } \\ \text { DEHXW } \end{gathered}$ | Wt. <br> Lbs. | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 H 1803 | 12SP2A | 12 | - | 20 | 37/6x $27 / 9 \times 27 / 4$ | 2 | 8.54 |
| 11 H 1804 | 12 A 4 | 12 | 40 | 50 | 61/4x41/9x33/6 | 6 | 19.03 |
| 11 H 1807w | 12 B 10 | 12 | 100 | 125 | $83 / 6 \times 75 \times 37 / 8$ | 14 | 37.68 |
| 11 H 1808W | 12015 | 12 | 150 | 175 | 103/6x ${ }^{1 / 8 \times 51 / 2}$ | 16 | 63.57 |
| 11 H 1809w | 12022 | 12 | 220 | 250 | 103/6x $97 / 8 \times 51 / 2$ | 26 | 72.66 |

# terado - C-D- TRIP (uri) Inverters 

## TERADO SOLID-STATE DC-Io-AC INVERTERS

## AS LOW AS 3296 <br> - Transistorized

- 110 Volt AC Electricity

From Your 12 Volt Battery
Compact and convenient power inverters. Converts 12 VDC to 110 V 60 cycles $A C$. Features frequency regulation $\pm 1 / 2$ cycle with changing Input load and voltage. Ideal for tape recorders. t With remote control.

| Stock No. | Wat's Mfgr, No. Cont. Interm. |  |  | Size | Shpg. Wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11H6301 | 50170 | 125 | 150 | $103 / 4 \times 6 \times 6$ | , | 32.96 |
| 11 H 6315 | 50205 | 140 | 175 | $103 / 4 \times 6 \times 6$ | $91 / 2$ | 36.76 |
| 11 H 6319 | 50129 | 275 | 300 | $6 \times 6 \times 121 / 2$ | 20 | 74.25 |
| 11 H 6320 | 50128 | 450 | 500 | $6 \times 6 \times 121 / 2$ | 20 | 97.17 |
| 11 H 6323Wx* | 50201 | 150 | 175 | $103 / 4 \times 6 \times 6$ | 20 | 100.51 |
| 11 H 6324 WX * | 50200 | 175 | 200 | $103 / 4 \times 6 \times 6$ | 21 | 114.53 |
| 11 H6325wx* | 50191 | 275 | 300 | $103 / 4 \times 6 \times 6$ | 30 | 153.13 |

## TERADO "HASH-FREE" DC-IO-AC INVERTERS



- 110 Volt Home Electricity Anywhere

Vibrator type inverters. All have automatic frequency control. Convert 6 or 12 volts $D C$ 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. tRemote control has variable AC output switch signal light.

| Stock No. | Mfgr. No. | $\begin{aligned} & \text { DC Wafts } \\ & \text { Input Cont. Interm } \end{aligned}$ |  |  | n. Size | $\begin{aligned} & \text { Wt. } \\ & \text { Lts. } \end{aligned}$ | Fig. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 H6305 | 50115 | 6 | 35 | 40 | $21 / 2 \times 21 / 2 \times 41 / 2{ }^{\prime \prime}$ | 3 | A | 18.47 |
| 11 H 6306 | 50116 | 12 | 40 | 50 | $21 / 2 \times 21 / 2 \times 41 / 2$ | 3 | A | 18.47 |
| 11 H 6307 | 50126 | 6 | 60 | 75 | $4 \times 5 \times 6^{\prime \prime}$ | 8 | C | 38.47 |
| 11 H6308 | 50127 | 12 | 75 | 100 | $4 \times 5 \times 6$ " | 8 | C | 38.47 |
| 11 H 6309* | 50137 | 6 | 75 | 100 | $4 \times 5 \times 6{ }^{*}$ | $91 / 2$ | C | 53.90 |
| 11 H6310* | 50138 | 12 | 100 | 125 | $4 \times 5 \times 6$ " | $91 / 2$ | C | 53.90 |
| 11 H6312t | 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, truck, boat or trailer. No Installation-jusi plug into cigar lighter. Operate electric shaver or any electric appliance up to 25 watts. With generator condenser and Jgnition noise suppressor, Size: $2 \times 2 \times 33 / 4^{\prime \prime}$. 11 H 6317 Shpg. wt., 2 lbs. Net $11.95^{\circ}$

## TRAV-ELECTRIC "AUTO-SHAVER"

Operates ali electric shavers. Plugs into cigarette lighter. Polyethyiene non-breakable case. Size: $35 / \mathrm{g}^{-W} \times 21 / 4^{-0} \times 41 / 4^{\prime \prime} \mathrm{H}, 6$ volt $10-15$ watts, 12 volts $15-20$ watts. Shpg. wt. 2 lbs.
11 H 63036 Volt $\qquad$ Net 9.31
 TRAV-ELECTRIC
$59^{99}$ Self-Contained Power Supply with Battery and Automatic Recharger - Delivers 117 Volts 60 Cycle A.C. At 125 Watts Continuous

- 3 to 4 hours of Portable T.V. Operation on One Charge
 Hundreds of uses: Operates TV's, powertools, barbecue motors, lights, hedge clippers, or, appliances using 117 V ., 60 cycles AC. Has self-contained 25 amp , rechargeable wet storage battery. Frequency stable within $2 / 2$ cycle with load changes. Plugs into $A C$ outlet, or, car cigarette lighter to recharge battery. Has automatic overcharge protection Meter shows charge rate and hours of anticipated output. Size: $12 \times 5 \frac{1}{2} \times 8^{\prime \prime}$. Shpg. wt., 36 lbs. It H $6316 \mathrm{wx} \$ 5$ Monthly



## TRIPP LITE 150-WATT TRANSISTORIZED INYERTER



Model PV- 150

- Delivers 150 Watts Continuously


## - Provides Household Current Anywhere <br> - Fused to Protect Battery



A low-cost transistorized Inverter which changes 12 -volt DC to 115 volt 60 cycle AC. Delivers 150 -watts contInuously; 175 -watts intermittently for shavers, recorders, radios, TV and many other appliances. Has on-off switch and replaceable fuse. Rugged construction. Size: $5 \times 5 \times 31 / 2^{\prime \prime}$. Shog. wt.. $51 / 2 \mathrm{lbs}$.
It H $8950 \$ 5$ Monthly $\qquad$ Net 32.95

## 100 WAIT TRANSISTORIZED INVERTER

## ${ }^{\text {oulr }} 24^{95}$

- 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 DC to 115 V ., 60 cycles AC ; delivers 100 watts continuously. Specifically engineered to power televisions, and tape recorders in cars, boats, planes, or moblle homes. Incorporates 2-power switching transistors. Complete with cigarette IIghter plug, and standard AC outlet. Size: $43 / 4 \times 43 / 4 \times 3$ " 11 H 8954 Shpg. wt., 5 lbs. $\qquad$ Net 24.95

## TRIPP LITE ALL SOLID STATE POWERVERTERS



- Combination Power Inverters and Battery Chargers MOOEL PV-200-B-200 WATT INVERTER, 6 AMP BATTERY CHARGER. Converts 12 -volt DC to 115 -volt 60 cycle AC, delivers 200 watts con. tinuously, 250 watts intermittently, 4 power transistor circultry for power boost. Battery charger is rated 6 amp, has automatic control which tapers current down to prevent overcharging. Slze: $31 / 2 \times 5 \times$ 5". Shpg, wt., $51 / 2$ lbs. 11 H $8951 \$ 5$ Monthly


## MOOEL PV-400-B - 400 WATT INVERTER, 10 AMP BATTERY CHARGER.

 Rugged, heavy-duty Inverter with 400 -watt continuous output, 450 . watt intermiltent and 500 -watt instantaneous surge. 8 power trans. Isors; 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. Built-ln rack handles. Size: $51 / 4 \times 91 / 4 \times$ $10^{\prime \prime \prime}$ Shpg. wt., 13 lbs.11 H 8952 \$5 Monthly

## TERADO SOLID-STATE <br> INVERTER-CHARGER

- It's A Battery Charger
- It's An Inverter

Mark I, portable, transistorized 450 to 500 watt inverter/
 charger. Converts 12 volts DC to 117V., AC household current. Designed for use in cars, mobile homes, and boats to operate radios, recorders, televisions, lights, electric tools, and test equipment from any 12 V ., DC power source. Also serves as a battery charger with charging rate of 20 , and 10 amps plus low trickle charge. Complete with amp meter 12 V ., DC input poles, front panel mounted fuses, and $117 V$., AC standard outlet. $121 / 2 \times 6 \times 6^{\mathrm{m}}$. Shipg. wt., 21 lbs.
11 H 6323 Wx \$ 6 Monthly
Net 104.50
Mark II. Same as above except Inverter capacity is 275 watts continuous, 300 watts intermittent. Shpg. wt., 21 Jbs.
it H 6j22wx $\$ 5$ Monthly

# LAFAYETTE Automotive Test Equipment 

61/2" DWELL TACHOMETER $28^{50}$

- Tunes up Electronically, Any Car Ever Made
- Three Dwell Scales
- Giant $61 / 2^{\prime \prime}$ Easy-to-Read Scale
- Use to Adjust Carburetors
- Use to Adjust Points
Made in U.S.A.

A complete ready-10-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 $61 / 2$ easy-to-read meter makes it simple for anyone to adjust points and carburetors to insure maximum gas econogny and quiet engine running. RPM readings are also essentlal to properly service automatic transmissions. Three dwell angle scales are provided: 0 to 45 degrees, $0-60$ degrees, and 0 to 90 degrees. This instrument 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, suitable for making all other tests at high engine speeds. Complete with instruction manual. Shpg. wt., 4 lbs. 11 H OiOlw

Net $\mathbf{2 8 . 5 0}$


## TUNE UP KIT

 $10^{88}$- Tunes Engine For Maximum Efficiency
- For Accurate Ignition Timing of Any Engine
A complete kit to tune up the important systems of your car, truck or marine engine. Permits maximum efficiency for more economical operation, Kit includes compression tester, vacuum fuel pump tester and deluxe timing light with remote starter switch. Compression tester locates value. ring, piston and cylinder troubles. Big 21/2" dial is calibrated $0-300$ lbs. pressure. Vacuum and fuel pump tester checks pressure and suction of fuel pump and vacuum system. $21 / 2^{\prime \prime}$ dial calibrated in 0.30 inches and 0.3 lbs. Comes with rubber tubing for easy connections. Brilliant prefocused timing tight features re. mote starting switch. For 6, 12 or 24 volt systems.
11 H 4209 Shpg. wt., 5 lbs.
Net 10.88

31/2" DWELL TACHOMETER


- Tune Up Electronically Any Car Ever Made
- $31 / 2^{2 \prime}$ 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! This Dwell-Tachometer permits setting the carburetor for maximum efficlency, 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 setting points on "Window" distributors with engine running. It aiso locates defective spark plugs; permits correct engine RPM setting for automatic transmission adjustments, throttle linkage and idle adjustment. RPM scale: $0-308$-cylinder owell: $5.45^{\circ} ; 6$ cylinder dwell: $20-40^{\circ}$. 4 cylinder readings obained by doubling 8 cylinder scale reading. Two-color scale. Small and compact-measures only $61 / 4 \times 33 / 4 \times 2^{\prime \prime}$. Shpg. wt., 2 lbs.
11 H 0105.
Net 18.95


Now you can check the electrical systems of your car from the front seat without digging into the parts of the engine. Plug furn ished 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. Permlts positive identiffcation and isolation of electrical trouble. For 12 v negative systems. Shpg. wt., 1 lb .
11 H 7250
Net 9.95

(A) COMPRESSION TESTER Shows worn or defective rings, pistons and cylinders. Easy-toread $21 / 2^{\prime \prime}$ dial, calibrated from 0.300 lbs. Has offset stem and rubber nose cone to fit all spark plug holes.
11 H 4207 Shpg. wt., 12 oz.
Net 2.95 (B) VACUUM and FUEL PUMP TESTER indi. cates worn or faulty parts in fuel pump or vacuum system. Easy to read $21 / 2^{2}$ dial matches dial on compression tester, calibrated from 0.30 Inches vacuum and 0.7 lbs. for pressure. Aios in setting timing, adjusting carburetor or tunjng motor. 11 H 4206 Shpg. wt., 12 oz.

Net 2.95 (C) STANDARD TIMING LIGHT gives brilliant light for precision setting of ignition timing. With oll-and-gas resistant leads. 11 H 1705 Shpg, wt., 1 lb.

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 H 1702 Shpg. wt., $1 / 2 \mathrm{lb}$.

Net 2.09


## TIMING LIGHT WITH REMOTE STARTER

- Starts Engine From Outside Deluxe neon prefocusing light. Cranks engine from the outside-checks points, bearings and tappets. The remote starter is also usefut in testing the fuel pump, generator, compression and electrical system. For 6, 12 or 24 volt systems. Shpg. wt., $11 / 2$ lbs. 11 or 24 volt systems. Shpg. wt., 142 ibs.
11 H 4208
5.75


# Capacitive Discharge Ignition System 

## With Silicon Controlled Rectifier

- Quick, Easy Installation
- Constant Spark to 10,000 RPM
- Extremely Low Input Power-Less Load On The Engine $39^{95}$ Combines all the advantages of capacitive discharge with those of solid state circuitry. Patented circuitry eliminates point bounce problems and positively fires plugs regardless of point condition. Fast rise tlme spark prevents fouling from three to ten times. Point contacts last indefinitely. Eliminates mis-firing. reduces oil contaminants, prolongs ongine life. Provides smoother and more efficient operation at all speeds; constant spark up to 10.000 RPM; with dramatically 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 commerieal and original equipment tachometers. Installs immediately with two simple connections to the existing coil, 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. Shpg. wt., $21 / 2 \mathrm{lbs}$.
If H $8450 \$ 5$ Monthly


## Reu Spark 2-TRANSISTOR IGNITION SYSTEM

## - Full Power at High RPM

- Eliminates Point Pitting and Condenser
- Easier Starting Especially in Winter
only 295
- Includes Relay for High Current Switching

Takes the needless burden of high current off your points and delivers a constant high power spark even at speeds exceeding 10,000 RPM. Modern 2 . transistor circuit switches and controls the coil primary circuit through a combination amplifier-electronic switch action. Reduces point current to a low value and with proper use extends their life to the life of the car. Carries $100 \%$ primary current to over 10,000 RPM. Special low-inductance coil delivers constant full voltage at all speeds. Spark plugs last longer due to complete burning of fuel. Condenser replacement and problems are eliminated. Transistors are removable and unit is serviceablel system includes double insulated coil, epoxy potted ampllfier, ballast. ballast relay and quick changeover hardware. Shpg. wt. 5 tbs.
11 in 6850 For Negative Ground Systems
Net 22.95
POINT INSULATION XIT: adapts transistor ignition kits to permit use tive ground systems.
I1 H 6851 Shpg, wt., 3 oz.
Net 1.95

## TIMING AND OCTANE

 SELECTOR- Increases Gas Mileage \& Horsepower

Recover the gas milleaze and power your car Is now wasting with this Timing and Octane Selector. Enables you to dial-in the most effective spark timing from the dash, as you drive. Harmful ping and spark knock are eliminated-you get premium performance from regular gas. WIII not interfere with your distributor's advance mechanlsm, Mounts on your dash. SImple. do-lt-ynurself in. stallation instructions-no tools needed. Shpg. wi., $11 / 4 \mathrm{lbs}$. If H 3601

## KEYLESS MOTOR START

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. i 1 lb , II H 4230

## BATTERY CELL TESTER

## $4^{88}$

For all batteries. Tests battery cells under load - accurately up to 80 amp road on battery during tests. Eliminates problems of no-load testing. Three color diat reads "bad," "weak," and "good." Tester indicates ability of battery to dellver power - locates corroded cables, loose connec. tions, efc. Three foot long leads enable checking any battery, regardless of battery location in car. Shpg, wt., 1 lb . If H 4231


## LAFAYETTE HOT CAR-GO

- Starts Wet or Cold Motors Instantly
- Saves Battery and Gasoline
- Installs Easily and Quickly
- 6 and 12 Volt Cars


Avold excess wear and tear on your motor and battery-install Lafay. ette's Hot Car-Go. Provides 5 times the normal spark for fast starting in any weather, and automatically disconnects when engine is running. Will not damage plugs or distributor. Simple to install-In. structions included, Imported. Shps. wt., 1 to.
99 H 8511

## CHROME DWELL-TACHOMETER <br> - Electronically Tune any car-

 4.6 .8 cylinder- Large $3^{\prime \prime}$ Scale- 6 or 12 Volt
- Chrome zinc-die cast case and handle


## Only 1995

Use for measuring dwell and rpm. Measures cam owell- $3^{\circ "}$ scale shows dwell angle variations that indicate worn distributor shafts or bushings - shows breaker points spaced too wide or too close. Indicates breaker plate and other problems. Measures low rpm ranges. Use In adjusting for smooth engline performance and ellmination of stalling or creeping. Check weak valves, cylinder or bad plugs. Check air fuel ratio and air filter capacity. Factory calibrated burnout proof - no battery needed - 4, 6 , or 8 cylinder engines for 6 or 12 volt neg. or positive ground systems. Zinc die cast hande and case. Shpg. wt., 2 lbs.
11 H 4232
Net 19.95

Net 3.49

# Deluxe Auto Gauges and Clocks 



DELUXE AMP \& OIL
PRESSURE GAUGE

- Features "Tilt Gauges"

In Any Direction


An attractive two in one oil-ampere gauge console. Large illuminated $2^{\prime \prime}$ dials tilt in any direction, Oil gauge reads exact pressure from 0.80 lbs . Detects low oll level, incorrect pressure, defective pump or clogged filter before trouble occurs... not after. Sender unit has universal $\%$ PT connector, Ammeter gives accurate current readings for all generator or alternator equipped cars. Shows rate of, charge or discharge from $60 \cdot 0 \cdot 60$. Wt. $11 / 2 \mathrm{lbs}$.
11 H 4224 Watnut Inlay
11 H 4225 Black inlay
Net 6.95
Net 6.95


## DELUXE OIL-AMP.WATER PRESSURE GAUGE



Custom panel of three Illuminated $2^{\circ \prime}$ meters which tilt In any direction. Olf pressure gauge reads accurately from 0.80 lbs. with a standard $4 / 8$ PT connector. Ammeter gives exact charging rate of generator or alternator from 60-0.60. Electrical water temperature gauge reads $100^{\circ}-250^{\circ}$. Prevents engine damage from sllpping water pump, drive belt, low coolant level, defective thermostat, etc. With tubing and adapter. Shpg. wt., 2 Ibs. 11 H 4227 Walnut inlay ..............Net 16.50 11 H 4228 Black Inlay ................... Net 16.50


## LECTRA-SCOPE ENGINE ANALYZER

- FOR all cars - Tests Ignition
\& TRUCKS \& Engine Performance Shows what's going on in any 6 or 8 cylinder engine. Individual lights for each plug glows with each spark. Steady glow all o.k. weak flickering light shows dirty contacts. wasted gas; bright light shows heavy engine load, oragging brakes. Installation Instructions. Shpg. wt., 1 lb.
11 H 76508 Cylinders
11 H 76516 cylinders
Net 4.25
Net 4.25


## LAFAYETTE AUTO GAUGES

a


- No Holes to Urill



## only $4^{95}$

## AIRWAY COMPASSES

Universal mounting bracket with pres sure sensitive base for dash or windshield. Avlation-type geared regulators, cunife magnets. Built.in battery light on illuminated models. Dial calibrated each 15 degrees. Black and chrome. Shpe. wt., 1 lb .
11 н 6501 Illuminated
Net 2.49 Similar to above with full navigational dial.
11 H 6503 Illuminated ......... Net 3.59

## DELUXE AIRWAY

 UNIVERSAL COMPASSComplete with Adhesive Plate for Windshield Mounting

Precision instrument features finger. tio regulators with 8 gears and special magnets to provide added accuracy and quick compensation. Design allows up to $30^{\circ}$ tilt. Calibrated in 5 degree intervals. Universal bracket mounts in any position on all craft and vehicles. Rigid crystal clear plastic with gleaming chrome and black finish. Shpg. wt., 1 lb.
11 H 6504
Net 3.99
11 H 6505 Same as above but illuminated
Net 4.79


## MAP MEASURER \& COMPASS

 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. Shpg, wL. 8 13 H 4101The ammeter calibrated in a $60-0.60$ scale Exact oil 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 $5 \mathrm{t} / \mathrm{BW} \times 27 / 8 \mathrm{R} \times 2 \mathrm{t} / \mathrm{B}^{\circ} \mathrm{D}$. Supplied with 6 and 12 volt bulbs and wire, all necessary fittings plus fuil instructions. Imported. Shpg. Wt., $11 / 2$ Ibs. 99 н 8501

Net 4.95
11 H 8004 T Fitting
Net . 49

## (B) WATER TEMPERATURE GAUGE

Heavy-duty vapor tension thermometer which Indicates from 100 to 220 degrees fahrenhelt on a $2^{\prime \prime}$ diameter dial, Has $72^{\prime \prime}$ of armored capillary tubing with $1 / z^{\prime \prime}$ male pipe thread adapter. Includes mounting bracket, $6 / 12$-volt illuminating kit, hardware and instructions. Imported. Shpg. wt., 2 los.
99 H 8506
Net 4.95


## FUEL LEVEL WARNING LIGHT

$4^{3}$
39 - For All Model Cars - Easy to Install

New! Accurate, solid-state fuel level Indicator light that functions inde. pendently of your factory installed fuel gauge, This unique alerting device wlll tell you when gas level is low-brilliant red light flashes when It's time to gas up. Light can be ad. justed to flash at any level from empty to $1 / 4$ fult. Mounts under dash for quick easy installation. For 12 volt system, Size: $17 / 6 \times 13 / 4 \times 2^{\prime \prime}$. Shpg. wt., $11 / 2$ lbs. For all G.M. cars and Chrysler Motors prod. 1957-59.

Net 4.39
Net 4.39

## 11 H 8651 For All Others



SEAT BELT WARNING LIGHT
Automatically reminds you to buckel up for safety. Bright sign lights when ignition switch is turned on. Flashing light attracts your attention and then shuts off automatically. A must for every car. Installs easily in just minutes with only two wires to connect. Self stick attaching tape permanently mounts unit wherever convenient. Shpg. wt.. 1 ib .
11 H 675 C
Net 2.49

## CIGARETTE LIGHTER PLUG

Run any 6 and 12 volt accessory from cigarette lighter receptacle of your carbattery chargers, shavers, CB radios, trouble lights, efc. Also use to replace defective plugs. Imported. Shipg. wt., 8 oz . 99 H 8513

Net .49

## "Custom Styled" Automotive Gauges



## 31/4" ELECTRONIC TACHOMETER

- Heavy Chrome Die Cast Case
- For Regular or Transistor Ignition
- $0-8,000$ RPM - 6 or 12 Volts

An attractive $31 / 4$ " 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 readings 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 or 12 volt positive or negative ground. Shpg. wt., 2 lbs. 11 H 4233 For 8 Cylinders ........... Net 14.95 11 H 4234 For 6 Cylinders

Net 14.95


## 314" TRANSISTORIZED TACHOMETER

- For 6 and 8 Cylinder
- 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 $3^{3 \prime}$ long vibration-proof chrome die-cast housing. Tach also boasts a built-in shift set needie, adjustable steering column ring, and $360^{\circ}$ universal mount. Will operate with transistor or regular ig. nition systems, 6 or 12 volt positive or negative ground. Easily mounted on or under dash, on console, or on steering column. Reliable indication permits better use of engine power-a must for the demanding driver. Shpg. wt., $21 / 2$ lbs. 11 H4235


## 31/4" $270^{\circ}$ "WIDE.SWEEP" TRANSISTORIZED TACH

- Precision 0.10,000 RPM Scale For 6 or 8 Cylinder
Our finest tachometer features a wide sweep $314^{\prime \prime}$ illuminated black and white scale, precision D'Arsonval movement callbrated 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 unatfected 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 H 4236
Net 26.95


## DELUXE 31/4" OIL-AMMETER-WATER PRESSURE GAUGE

\author{

- All Electric-No Tubing
}

End guess work and space problems with this beautiul three.in-one gauge., lliuminated dial face gives accurate indivicual readings of oil pressure, amperage, and water temperature. Amp. gauge reads -60 to +60 , ofl pressure registers 0 to 80 lbs ., and water temperature is indicated from $100^{\circ}$ to $220^{\circ}$. Fits all 12 volt negative or positive ground aiternator 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 H 4203 Shpg. wt. $21 / 2 \mathrm{lbs}$. OHL AND AMMETER GAUGE

## GAS SAVER VACUUM GAUGES

(A) DELUXE $31 / 4 "$ TWIN VACUUM GAUGE AUtomatically shows miles per gallon. Instru. mented driving saves up to $40 \%$ of your gasoline dollars by showing you how to drive for the best economy or power. Also checks your engine constantly by measuring its manifold pressure on a clear, four color illuminated dial. $360^{\circ}$ universal mounting, zine die cast case, $T$ connector, 6 ft. vacuum tubing. steering column mount ring and instructions. Fits any car. 11 H 4205 Shpg. wt., $21 / 2$ lbs. ....Net 11.95 (b) "BULLET" VACUUM GAUGE Shows most ef. ficient engine speed. $\mathbf{z}^{\prime \prime}$ meter in chrome bullet housing. Illuminated dial indicates maximum engine efficiency. Warns of leaky intake and exhaust systems or improper adjustment of valves, tappets, and timing. Fits any car.
11 H 4222 Shpg. wt., $1 \mathrm{lb} . . . . . . . . . . .$. Net 6.95
${ }_{11} \mathrm{H} 4204$ Shpg. Wt.. 2 lbs.


## DELUXE OIL-AMP—TACH CUSTOM PANEL

- Features "Tilt Gauges" For Multi-Direction Mount
- 2" Illuminated Dials
- Accurate 0.8000 RPM Tach

$$
22^{95}
$$



Deluxe Oil.Amp. Tach instrument features $\mathbf{2}^{\prime \prime}$ meters with tubes that tilt meter to face driver. Solid-state 0.8000 RPM Tach with shift needle. $60+30+0-30-60$ ammeter clearly shows charging or discharge rate. $0-80 \mathrm{lb}$. oll gauge with standard $1 / \mathrm{m}^{\prime \prime}$ PT connector. Fult chrome panel $\nexists / 4$ "
skirt with beautiful black leatherette finished pod for top or under dash use. For all 8 cyl. $6 / 12 \mathrm{~V}$. Neg./Pos. gnd. Complete with wiring and instructions. Shpg. wt., $21 / 2 \mathrm{lbs}$.
11 H 4237 Black Inlay
Net 22.95 11 H 4238 Walnut Inlay

Lafayette Cat. No, $680 \quad 477$

## Automotive Accessories \& Specialties



- Clips Easily on Sunvisor

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 to promote safer driving. Miniaturized and completely transistorized. Top 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.) Magnesium case eliminates radios $x^{n}$ TV and

## DELUXE 4-WAY EMERGENCY FLASHER



- Built-in Heavy-duty Flasher and Fuse - All 4 Directionals Blink On and Off
- Flashing Pilot Light with Audible Click
Simply pull out the swltch and all 4 directionals start blinking, along with pilot IIght 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 H 8203 Shpg. wt., 1 lb.

Net 3.75
MASTER DISCONNECT SWITCH


- Disconnects Battery \& Generator

Circuits With A Single Switch With a flip of a single lever prolect cars, boats against fires resulting from shorts, battery run down due to appliances unknow. ingly left on, theft by ignition "jumping" (when mounted in con. cealed position). Perfect for cars, boats, heavy equipment. All stel construction, operates on ball bearings for quick, easy operation and rapid reset. Fits 6 or 12 volts. Shpr. wt., 1 lb .
11 H 8701
Net 6.75
ON-GUARD PROFESSIONAL SIREN-


- Loud, Police-type Siren Gives 3.Way Protection-All Doors, 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 thls 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 trum. pet, 4 door switches, hood switch, trunk switch, 2 brackets, electrical lock with 2 keys, wire, mounting hardware. instructions and 2 warn. ing decals. For 12 -volt cars only. Shpg. wt., 3 lbs.
11 H 6201

## Popular Accessories for Your Car

## CUSTOM-FIT HEADREST

- Makes Any Car Seat a Contour Chair!
- Adjustable Slip-on

Now you can make your car seat really comfortable with this advanced design headrest. Helps prevent whiplash too. Dorsal cantilever design keeps headrest snur against back of neek and head. Locks to
 seat automatically. 3 Knobs, finely calibrated gives 4 -way adjustment to custom fit any individual, chair or car seat. Full $5^{\prime \prime}$ vertical adjustment; $4^{\prime \prime}$ forward and back, Looks like original equioment. Made of soft vinyt plastic with molded wing rests.
11 H 1201 Black only. Shpg. wt., 2 lbs.

## DELUXE SLIP.ON HEADREST

- Installs Easily-

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., $31 / 2$ ibs.
11 H 6552 Black $\qquad$ Net 5.25
11 H 6553 Blue Net 5.25

## 4.WAY ADJUSTABLE HEADREST

- Solid Foam Filled With Vinyl Cover


Deluxe headrest Is designed for safety and riding comfort. Provides protection against whiplash injuries. All chrome plated rigld steel construction. Easily installed. Adjusts 4 ways: up/down and in/out. Size: $13^{\circ}$ long $\times 6^{\text {² }}$ diameter. Shpg. wt., $21 / 2$ tbs.
11 H 6550 Black
11 H 6551 Blue
Net 2.99

## FIRST AID KIT

- Complete with Flashlight and Safety Blinker
A flist-aid kit with a portable flashing red warning light and white utility Hght. Blue/white molded plastic carrying case has cotton, ammonia Inhalant, box of
 band aids, 2 tongue depressors, adhesive tape, tweezers, gauze band. age, drinking cup, $3 \times 3$ and $4 \times 4$ gauze pads, blade holder. first-aid book. scissors. list of contents. antlseptic/burn ointment. Lights operate on 4 " $D^{\prime \prime}$ batteries (not incl.) Shpg. wt., 3 lbs.
11 H 201
Net 4.50
9s H 6256 Batteries for above ( 4 Required)
Nel ea. . 15


## TRIPOD BUMPER JACK

- Lifts Cars Weighing Up To 5,000 lbs.
- Torsion Spring Hook Fits All Model Cars
Provides strong stable support. Eliminates the complicated procedures with most single leg jacks. Engineered to grip bumper and simultaneously hold it from three ground supports. Triple leg design permits use on a hill or on soft shoulders. Protects you and your car. Universal design virtually fits all cars. 3 -inch wide bumper hook rides on a main channel constructed of heavy steel. Utilizes quality ball bearings and acme threaded screw. Insures easy cranking. De-
 signed to lift most cars on the road weigning 5000 lbs or less. This 3 legged jach with chains between legs belongs in every car. Ufts up to $281 / 2$ inches. Shpg. wt., 15 lbs.
11 H 1350 W
Only $5^{95}$

- Plugs Directly Into $\mathbf{1 2}$ Volt Cigarette Lighter Outlet - Compact, Easy-to-Handle-Stores Conveniently in Trunk
Portable and powerful! Cleans upholstery, carpeting, ash trays, under mouldings-top handle for easy handing. Sucks up dust, dirt and lint into a removable container. Designed to give trouble-free service. Complete with 15 foot cord, On/Off switch and two attach. ments-a utility pick-up and a long nozzle to reach hard to get at places. Power source: 12V., DC battery. Imported. Shpg. wt., 2 lbs. 11 H 1350

Net 5.95


- Super Power Suction Made in U.S.A. - Plugs Into Cigarette Lighter Socket A smart portable accessory for every car owner. Super power suction cleans in seconds. Specially designed nozzle gives easy access to hard to get at places such as under seats, ash trays, and in crevices. Its lightweight, and durable rust and dent proof construction make this fine unit ideal for boats, planes, trailers, and tents also. Easy to handle and well balanced. Operates off standard 12 V DC car battery. Plugs right into the cigarette lighter socket. Size: $17^{\prime \prime}$ long $\times 4^{\prime \prime}$ wide. Shpg. wt., $21 / 2$ tbs.

11 H 2250
Nef 9.45

## PLUG-IN AUTO POLISHER

- Plugs Into Cigarette Lighter
- Genuine Lamb's Wool Buffer

Get a tustrous auto shine with minimum effort. Auto polisher plugs into any 12 . volt cigarette lighter. 18-foot vinyl cord lets you reach every part of the car. Includes lamb's wool buffer, polishing disc. Brass gears for long llfe. Easygrip, contoured handle prevents weariness. Shpg. wt., 4 lbs.
11 H 6250

DELUKE BASKET

## DELUXE BASKET CARRIER



- 7/8" Squared Aluminum Frame
- For Domestic and Foreign Cars
- Heavy-Duty Suction Cups

An indispensable traveling companion. Greatiy increases the luggage space of any domestic sedan, station wagon, or hard-top, or forelgn car. Easily attaches with four heavy-duty suction cups-protects car's rooftop from damage from heavy loads. Sturdy all squared aluminum frame will not rust. Complete with four gutter hooks and straps. Ideal for vacationers, campers, etc. $36^{\circ} \mathrm{L} \times 36^{-\mathrm{W}} \times 6^{\circ} \mathrm{H}$. Shpg, wt. 6 lbs.
11H1203W
Net 9.95

# "DO-IT-YOURSELF" Auto Accessories 

ELECTRONIC CRUISE CONTROL


Only

- Maintains Any Selected Highway Speed
- Does Not Affect Braking or Instant Acceleration

$19^{95}$- Helps Adhere To Posted Speed Limits

- Sets Fast Idle for Quick Cold-Weather Warm-Up New Electronic Cruise Control enables you to drive at a constant speed by automatically holding the throtte steady. Eliminates the need to keep foot glued to accelerator on long trips. Once you reach desired speed, simply pull out knob and Cruise Control will auto. matically hold that speed. Allows instant acceleration 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 com. pletely disengages in the event of any malfunction, Designed to fit all cars and trucks. Shpg. wt., $11 / 2 \mathrm{lbs}$. 11 H 5901

Net 19.95
REAR WINDOW DEFROSTER/DEFOGGER KIT $\square^{\text {ony }} 16^{95}$

- 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 regardiess of weather. Unit is easily installed in trunk; does not interfere with spare tire or luggage space. Adjustabie louvers to direct flow of alr are recessed; will not interfere with vision or rear deck space. Dash switch controls defroster operation, Improves heating and alr conditioning operation of car by increasing air cir. culation. Kit includes heavy duty motor, defroster hoses, adjustable louvers, switch, wiring, templates, and instaliation instructions. Fits all cars, (except station wagons, convertibles, and rear engine cars) for 12 volt electrical system.

Net 16.95
11 H 1250 Shpg, wt., 5 lbs.


## WINDOW DEFROSTING FAN

- For Front or Rear Window
- Harmless 6" Rubber Blades
- Plugs into Clgarette Lighter

A practical automotive accessory which keeps windshield free from frost or for while you drive, High speed 3.000 rpm motor controlled from drivers seat by 2 . speed switch. Complete with cord; universal swivel joint on sturdy base, $21 / 2 \mathrm{lbs}$.
11 H 3401 for 6 vott cars $\qquad$ Net 7.95 11 H 3402 for 12 volt cars Net 7.95
Net 7.95 For Rear WIndows 11 H 3403 For 12 volt only $\qquad$ Net 8.95

## 2 WAY CHOKE CONVERSION KIT

- Converts Auto. matic Choke To Manual Control


89

Glves you finger tip control of your carturetor choke for faster starts, maximum gas savings. Dual choke never interteres with normal operation of your automatic choke. No carburetor adjustment necessary, Control bracket screws easily to lip of dash panel.
11 H 2301 Shpg, wt.. 1 lb.
Net 1.89


## AUTO HOOD LOCK KIT $3^{29}$

- 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 installatlon. Fits following cars:
61 Buick 63 - 65 Comet $64-67$ Mercury 63.67 Tempest 64 Cadillac $63-67$ Ford 64.65 Mustanz 62.66 Rambler (not Classic) 61.67 Chev. $63-67$ Falcon 60.64 Pontiac $64 \cdot$ T.Bird and other cars with striker bolt in hood.
11 H 5301 Shpg. wt., 1 Ib $\qquad$ Net 3.39



## BACK-ALERT

- Automatic Back-up Alarm - For Cars Equipped with Back-up Lights

Clear, audible alarm, buzzes automatically when vehicle is placed in reverse gearprevents back-up accidents by alerting pedestrians as well as other motorists during day or night. Quick clip terminal attaches 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 fin. Ish. Minutes to install-complete and ready for use, Includes 5' of wire and all hardware, 12 volts only. Shpg, wt., 1 it. 11 H 1150

Net 3.69


- Seals Out Dirt, Dampness-Surer Starts
- Auto and Marine-4, 6, and 8 Cylinder Engines

Eliminate auto and marine starting problems in any weather. Keeps moisture out-eliminates high-voltage leakagel 8 cylinder set: $2712^{\circ}$ DUPONT HYPALON* COVERED COpper ignition wire, 8 angle spark plug terminals, 8 straight spark plug terminals, 8 spark pleg protectors, 10 distributor wire terminals, 9 distributor nipples and 1 ignition coll nipple, Shog, wt., 2 lbs.
11 H 4951
Net 2.39
4 \& 6 CYLINDER SET, $20^{\circ}$ Ignition wire, 8 distributor wire terminals, 7 distributor nipples, 6 angle and 6 straight spark plug terminals, 6 spark plug protectors and 1 Ignition coll nipple. Shpg. Wt., 2 lbs. 11 H 4952

Net 1.99

## 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 identified by Black and Red heavy vinyl covered handles. Shpg. wt., 3 lbs,

## 11 H 29018 ft. long, set of 2

$\qquad$ Net 1.19
11 H 290212 f. long, set of 2
Net 1.69
11 H 290312 ft. tong, 6 gauge copper cable Net 3.49 11 H 2905 Set of Battery Booster Cable Clips (Red \& Black) Net . 49
NEW! SUPER-LENGTH EMERGENCY STARTING CABLES
Starts your car any place any time in hardest to reach places, even 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 negatlve connection, Negative connection can be easily made from bumper on car to bumper of other car. Heavy duty insulated cable grips. Shpg. wt., 4 lbs.
11 H 1950

## 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 dimension of life to your Mustang or other make automobile. Conveniently mounts anywhere under the hood. Fits any
 car. Avallable in 6 or 12 volt nega. tive ground models. Complete with horn button control, wire, and all necessary mounting hardware. Blach enamel finish with chrome plated grill. Dimensions: $5^{\prime \prime} \times 5 \frac{1}{2^{\prime \prime}} \times 6^{\prime \prime}$. Shpg. wt., 4 lbs.

For 12 volt negative ground
Net 9.95
11 H 4451
For 6 volt negative ground
Net 9.95
"DING-DONG" BELL from BERMUDA


- Easily Instalied
- Just Step On It

As Low
As

"Ding-Dong" carriage bell, bringing with it the charm and color of romantic Bermuda. Engineered for musical clarity, people will thrill to its beautiful resonant tone. The Bermuda bell is precision constructed, rust proof, and polished to a glistening finish. Built to outlast the life of your car. Minutes to install. $5 \frac{1}{2} \mathbf{2}^{\circ}$ diameter. Shpg. wt., 2 tbs.
11 H 1050
Net 3.95
Electric Bermuda Bell similar to above for mounting under hood. With wire and pushbutton. Shpg. wt., 2 lbs.
11 H 1051
Net 6.95

## 12 VOLT BATTERY CHARGER

- For Autos, Boats,

Trucks

- No Messy Hook-Up


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 maximum-automatically tapers off white battery is being charged. Compact design . . . for easy, permanent installation under dash. For negative ground, easily converted to positive ground. Handsome satin chrome finish. Shpg. wt., $11 / 2 \mathrm{lbs}$.
11 H 4803
Net 3.99

## 25-FT. 12 VOLT TROUBLE LAMP

## - Complete With 50 Watt Bulb

An all purpose emergency light for shop. garage or "on-the-road" use. 12-volt light laps directly from battery of cars, trucks or boats. Color coded alligator clips, yel. low cord, Complete with bright 50 watt bulb. Shpe. wt., $21 / 2 \mathrm{lbs}$. 12 H 4451

Net 2.75


## GLENN'S AUTO MANUALS

GLENN'S 1967 AUTO REPAIR MANUAL-A completely revised manual for every American car since 1960. 3000 pictures, 1400 pages. Helps pin-point trouble and correct it. 10 H 2801 Shpg. wt., 7 lbs.
CIEMN'S FOREICM CAD REPAT covers all 40 major forelgn cars sold in America from 1952 to date. Newly revised 2nd edition, over 1200 pages. 10 H 2800 Shpg. wt., 5 lbs,

Net 15.95


- Chrome Plated Bell - With Horn Button

A real joy for the sports car enthusiast. An authentic motor diven 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 H 3001 6-volt
Net 10.05
11 H 3002 12-volt
For Compacts and Sports Cars
11 H 3007 12-volt
Net 10.95

11 H 30086 -volt
Net 10.95
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 the European police horns. Clear, crisp tones are sure to attract the attention of pedestrians and other motorists. Different from other horns, 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 avallable space. Complete with horn button control, wire, mounting hardware, and complete installation instructions. Black enamel finish with bright chrome grill. For 12 volt negative ground only. Dimensions: $312^{\circ+} \times 51 / 2^{\prime \prime} \times 9^{\prime \prime}$. Shipg. wt., $61 / 2 \mathrm{lbs}$.
11 H 4450
Net 12.95

## PRIMETTA

## "FOGGLES"

## FOR SAFER DRIVIMG:

- AT NIGHT
- IN RAIN
- IN FOG
- IN SNOW


Scientifically designed to protect eye from glare of headights. street lights, etc. without materially reducing vision. Filter lens exclude all ultraviolet rays. For $20-20$ vision. Heavy, suede-lined leather case. Shpg. wt., 6 oz.
11 H 3201
Net 1.89
Clip-on "Foggies,"-use on existing glasses.
11 H 3202
Net 1.49

## DO-IT-YOURSELF PLATING KIT

## AS LOW AS

- Plates Almost Any Metal
- Professional Appearance

Plate metal parts that have never been plated before. Finished plating is a combination of cadmium for rust-proofing. nickel for protection and Juster. chromium for hardness and brilliance. Ideal for any metal surface except aluminum. Kit consists of 4 oz . copper chelate, 402 . chrome chelate, $1 / 2 \mathrm{Dt}$. platinn sealer. sponge, catalizer wool, $\mathbf{1 " c}^{\prime \prime}$ brush, sandpaper, steel wool, 4 02. rust remover.
11 H 7803
Shipg. wt., 2 lbs.
Net 3.95 SUPER PLATING KIT
Similar to above but in larger quantities. 12 oz. copper chelate, 12 02 . chrome chelate, 12 oz. spray can of plating sealer ino brush needed), 12 oz . rust remover. sponges, catalizer wool, sandpaper, steel wool.
11 H 7804
Shpg, wt., 4 lbs
Net 9.95

# Auto Warning Signal Lamps-Accessories 



## DELUXE REVOLVING BEACON $5^{95}$

- Plugs into Cigarette Lighter Outlet
- Rotates Like a Lighthouse Beacon
A red warning light that rotates 360 degrees and flashes in all directions. 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 IIghter adapter plug. Shpg. wt., 2 lbs. 11 H 1304

Net 5.95

## BLUE TURRET LENS

Converts Revolving Beacon for use by emergency vehictes, volunteer fire dedis.. CD units, etc. Shpg. wi., 1 lb .
11 H 1305
Net .95

## PATHFINDER DELUXE PLUGGIN SPOTLIGHT



- 12 Volt GE Sealed Beam
- 10-Foot Cord with Plug
- All Chrome, Zinc Cast Housing

Plug-in portable spotlight is a real "llfe-saver" In emergencies--provides dependable, instant, powerful light for safety in every night-drlving need. Finger-grip handle permits easy direc. tion of light beam. Flexible 10 -foot cord; GE sealed beam; convenlent hang. up hook; rich chrome plate on die-cast metal. Fits most cigarette lighter sock. ets. Stows away in glove compartment. 11 H 1625 Shpg wt., 2 lbs. ... Net 4.95
infra-red winoshield defroster


- Cleans Front or Back Windshield in Seconds
- Plugs into Cigarette Lighter
- Suction Cups Mount to Windshield in Seconds


New Infra-red electric windshield defroster utilizes the concept of pene. trating infra-red instant heat to quickly melt away mist, ice, and snow. You no longer have to wait for car to warm up before cleaning wind-shield-just plug it into your cigarette 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". Shpg, wt., 1 lb.
11 H 1307
CAR DEFROSTER GUN ANO SCRAPER


Made of hi-impact red plastic with 10 foot cord and plug. 200 watt heat capacity gun plugs into cigarefte ilghter. For 12 volt cars only. Imported. Shpg. wt., 1 lb. 11 H 1402

Net 2.75


Net 2.99


## 795

## TANK TYPE ENGINE HEATER

- Get Fast Summer Starts in Coldest Weather
- Saves Batteries-Gas-Oil

A thermostatically controlled heater which will solve your hard start. ing problems in cold weather. Circulates warm water through entire engine. Eliminates battery drain, carbon bulldup and high gas consumption during starting and warmup. Easy to Install, operates on ordinary AC house current. 850 watl capacity. $110-120$ volt AC-DC element. Complete with ail fittings except for heater hose. Shipg. wt., $21 / 2$ los.
11 H 3107

Sounds off with an audible nolse when you turn off your ignition without 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 Ib.
11 H 5001

## MOTOROLA ALL-ELECTRONIC ALTERNATOR SYSTEM



## As low as $49^{95}$

- 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 your car on its olectrical system... Unlike D.C. generators, it supplies a charge at idle speeds and keeps the battery at uniform high level of charge. The all-transistor veltage regular has no contact points to stick or burn. Fits all domestic cars with 12 -volt, negative ground electrical systems. The complete system includes: Alternator with standard-size pulley): all-transistor regulator (with all connecting wires); universal mounting bracket: instructions for installation.
11 H $750135-\mathrm{Amp}$. 11 H 7502 40-Amp $\qquad$ (wt., 13 lbs.) $\qquad$ Net 53.95
Net 57.95 1) 7502 s0.Amp.
$\qquad$ (wt., 15 lbs.) 11 H 7503 55-Amp
tee covers
we,, 15 lbs.
Net 57.95

- Manufacturer's guarantee covers repair or replacement of parts proven defective in normal use within 3 years or 30,000 miles (whichever occurs first).


# Selected Accessories For Better Car Care 

heavy duty bumper guards

- 1" Thick Outer Rubber Cushions
- For Front and Rear Bumpers

Protect the front and rear of your car. Prevents over-riding and under-riding of your bumpers-protects grille, trunk, lights, etc. Inner rubber insert has $30^{\circ}$ and $60^{\circ}$ angles for a perfect. tight fit on any bumper. Heavy-plated steel with "blue-luster" chrome finish. Easy to install-only 1 hole to drill. $97 /{ }^{\circ \prime}$ long. Shpg. wt., 5 lbs. pr.
11 N 5202
Net 6.19
6


## CAROIO-MASTER

- Convert your Transistor Radio into a Car Radio
A magnetic device designed to hold a port. able radio on the dashboard. Fits any "pocket" transistor radto. Includes magnetic base, brackets. adjustable band, and instructions. Shpg. wt., 2 lbs.
11 M 1303
Net 2.59


## RADIO TRANSVERTER

- Plugs into Cigarette Lighter
- For all 9-Volt Transistor Radios

Now you can avoid the expense of buying a car radio with this radio transverter. Simple to operate-remove 9 -volt battery from your transistor radio, connect contacts from transverter to battery contacts in the radio, and then plug into the cigarette lighter. Shpg. Wt., 6 oz.
11 H 4801 For 12 -volt Cars
Net 1.49


- Fits All Cars car's interior. With Auto-Time. the steering wheel clock, steering wheels lose their drab appearance forever as your car's interior gains a new luster. The 36 -hour jeweled Swiss movement is shockproof and anti-marnetic ... you ret perfect time all the time. With luminous hands for night driving, Auto-Time's bold face and sweep. ing second hand are easy to see. Easy to install. fits all cars from Volkswagens to Cadillacs. Shpg. wt., 1 ib.
11 N 1925
Net 11.05


## AUTO BATTERY CLOCK <br> As Low As

- Walnut Finish-Luminescent Dial and Hands A smartly designed and rurgedly constructed battery operated clock designed for use in the automobile Operates A Year of cabln crulser. Two-plece mag. On single "D" Cell netic base for swivel mounting.
holds tight to all surfaces INCLUDING padded dashboards and is detachable for use in motel or hotel when traveling. Unbreakable polypropolene housing for extra ruggedness. Lustrous silver finished metal dial and trim. Size: $31 / 8 \times 33 / 4 \times 1 / 10$. . Walnut finish with lum. inescent dial and hands. Shpr. wt., $1 / 2 \mathrm{ib}$. Less battery. 11 H 8152

Net 10.49

## $99^{\circ}$

NON-THERMO BATTERY HYOROMETER


For lesting small batteries and batteries mounted in close quarters. Three color float scale clearly marked "Poor," "Fair," "Good." Soft rubber tip will not damage battery plates. Float calibration: 1.110-1.280 in .05 subdivisions. Shpg. wt., 7 oz. 11 H 5803


## "RUSTY" RUST REMDVER

A few drops and rust dissolves without affecting the sound metal. Use for car or home- anywhere there is rust, corrosion, stained porcelain and cement. Frees frozen nuts and bolts; loosens frozen pipe joints. Non-fiammable; safe to use. Contains 2 oz . 11 M 7802 ShDg. wt., 8 0z. .......... Net .49 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 H 3501 Shpg. wt., 3 oz. Net 1.29
SPARK PLUG TESTER

Quickly find shorted plug by placing tester over Insulator or distributor cable. Doubles as screworiver. Shpg. wt., 3 oz. 11 H 3502
 auto seat belt retractors

- Rolis Up Seat Beits Automatically When Not in Use
Fit any car seat belt: installs quickly on belts without removing them from car. Stainless steel and aluminum, Shpg. W., $1 / 2 \mathrm{lb}$.
11 H2403
Net pair 1.29


Same as above except with ebony and lustrous silver finished metal dial and trim.
11 M 8150
Net 9.75
Same as above but with St. Christopher emblem.
11 M 151
Net 9.95
99 H 6258 8attery for above
Net . 15

## MAGNA-CLOCK with ALARM

## - Powerful Magnet in Base for <br> Sure-Grip Attachment to Dash 59 Clock Pivoted to Swing to

Any Position Even on A $90^{\circ}$ Surface

- Accurate, Dependable 30-Hour Movement with Alarm


A beautifully styied car clock with powerful magnet in the base. Contour-molded plastic case has a convex glass front. All hands and numerals are luminous. 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. Choice of 3 colors. Shog. $w t .{ }^{2} 1 / 2 \mathrm{lb}$.
11 M 2205 (Silver)
Net 5.49
11 H 2206 (Blue)
Net
11 H 2207 (Red)
Net 5.49
Net 5.49

## BATTERY OPERATEO SHAVER

## ony $2^{98}$



- Removable Self-Adjusting Rotary Head

Carry it wherever you go, This hand-heid portable shaver puns on a single inexpensive flashlight battery. Imported. Less battery. 99 H 908 shpg . wt., 1 tb .

Net 2.98 Spare Head for 99-9088. Shpg. Wt., 4 oz. 94 H 9089 Net 1.49 95 H 6256 Battery (1 required) Net .15

## SEAT BELT RETRACTOR HOUSING

Keops seat belt and retractor off floor and out of door, Your belt and clothes stay clean. Fits all seat belts that go around edpe of seat. Tough, bleck vinyl. Easy to install without tools. without removing seat belt.

Net pair 1.69

## KEY REEL

Handy, device lets you use your keys with ease. Wear on your belt or walstband. All metal construction for durable wear.
12 H 1708 Shpg. Wt. . 4 oz. ..Net 2.25
11 H 5601 Shpr. wt. 1 lb.


# Peima-Pomer Garage Door Openers <br> <br> a DELUXE GARAGE DOOR OPENER with RADIO CONTROLS 

 <br> <br> a DELUXE GARAGE DOOR OPENER with RADIO CONTROLS}


Gear-Head/Chain Drive for Doors up to 20 Feet wide and a Feet High
Only

- Opens - Closes - Securely Locks Garage Door
- Automatically Controls Garage Door and Lights from Inside Your Car
- Fully Transistorized Transmitter and Receiver with Private Pulse-Tone Coding

Deluxe, Perma-Powere garage door operating system. Easily handles any residential, track guided garage door; metal, fiberglass. or wood doors up to 20 feet wide and 8 feet high. Through the use of pulse-tone modulation circuitry you have complete privacy; only your pulse-tone sender can open the door. Gear/Head Chain drive motor exerts 200 lbs. of push.pull force. Needs only $\mathbf{2}^{\prime \prime}$ of headroom space between high arc of the door and ceiling. Built-in light goes on as soon as door starts to open, stays on for approxi. mately iwo minutes after door closes allow. ing you ample time to leave the garage in
illuminated safety. Sensitive safety clutch permits the chain drive mechanlsm to exert just enough force to move the door safely and gently. Should the door encounter an obstacle It will stop automatically and when started again will reverse Itself. Pulse-tone sender can be carried in pocket or purse, kept in glove compartment, or clipped to the sun visor or under the dash. Additional signal senders are available for your second car. Operates on 117 V ., 60 cycles AC. UL Listed. Shps. wt., 65 lbs.
13 H $8206 \mathrm{Wx} \$ 8$ monthly
Net 149.50
See Listing of Accessories Below
(B)GARAGE DOOR OPENER

## Only <br> 695

No Money Down
Push button convenience lifts and lowers your heavy garage door for you, and auto. matically turns the garage light off and on too! Operates single or double one-piece doors up to 20 feet wide and 8 feet high; and sectional doors up to 10 feet wide. Efficient operating mechanism exerts 100
C. RADIO CONTROLS FOR ANY OPENER
Only 50 Transistorized Pulse-Tone Coding Receiver and
Transmitter
No Money Down

Friction Drive for Sectional Doors Up to 10 Feet Wide and 8 Feet High

- Open Your Garage Door by Merely Pushing a Button
lbs. of push-pull force. Completely safe... power shuts off automatically if door travel is obstructed. For manual operation from outside there is an optional key switch. Simple to install. For 117 V . 60 cycles $A C$. UL Listed. Shpg. wt., 30 lbs.


UTILITY AND TOW CHAIN


A tow chain with many useful dpplications other than towing around the home, farm and factory. Made of strong welded $1 / 4 "$ steel llnks-14 ft. long. with drop forked grab hooks on each end. not ordinary $S$ hooks. Rust resistant electrogalvanized finish for long life. Shpg. wt., 8 lbs. 11 M 540114 ft . Tow Chain ... Net 3.95


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-alianing clio attaches to anv bumper. Shpg. wt., 3 lbs.
11 H 2402
Net 3.75

System consists of two units, a transistor. ized radio Pulse-Tone signal sender and re. ceiver. Operates any electrically controlled door opener up to 100 feet away. Pulse. Tone modulation circuitry gives you complete
security; only your personal, pocket size Pulse-Tone signal sender can trigger the recelver. Installs in minutes. Shpg. wt., 7 lbs.

13 H 8210 RIES
Model G-511 switch with 2 keys for outdoor location. Shpg, wt., $1 / 2 \mathrm{lb}$.
13 H 8204
Net 4.20

Model G. 370 Extra Transmitter for second car. Shpg. wt., 1 lb.
13 H 8207


## PLASTIC

 "JERRY CAN"
## As Low as 894

- 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. Built-in carrying handle, One gallon slze. Shpg. wt., '11/2 lbs.
11 H 3801
Net . 89
Three galion size. Shpg. wt., 2 lbs. 11 H 3802

Net 1.49 Five gallon size. Shpg. wt., $31 / 2 \mathrm{lbs}$. 11 H 3803 ................................. Net 2.49
TIRE PRESSURE GAUGE
Automatic - safe - simple pump for transfer of gasoline or any liquid. Pumptype siphon works without putting tube to mouth. Just squeeze the bulb to start the flow. Transparent inserts permit view of liguid flowing. Use for any gas engine equipment. Shpg, wt., 8 oz .
13 H 1902
Net 1.19

## $79^{\circ}$

Tire gauge ( $5 \cdot 50$ lbs.) accurately reads air pressure on auto and truck tires. With pocket clip. Shpg. wt., 4 oz.
11 H 6101

## LAFAYETTE Auto Antennas -- Accessories


(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" lead cable.
11 H 8801 Shpg. wt. 1 Ib.
Net 2.39
(2) "FLEX.O-MATIC" UAIVERSAL 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 H 7407 Shpg. wt., 2 lbs.

Net 2.99

## (3) UNIVERSAL MOUNT AERIAL

Can be mounted anywhere on Car. Adjusts to any angle. 3 section, measures $20^{\prime \prime}$ collaps. ed. extends to $59^{\prime \prime}$. Complete with $48^{\prime \prime}$ Jead. 11 H 7411 Shpg. wt., 1 y/4 lbs. Net 1.99
(4) DISAPPEARING ANTENNA

For concealed installation. Extends to $52^{\prime \prime}$ from $64 / 2^{\prime \prime}$. Fully collapsible-only mounting protrudes. $54^{\prime \prime}$ lead.
11 H 7402 Shpg. wt., 2 lbs.
Net 3.25
(5) LO-BOY DISAPPEARING ANTENNA For shallow installations, foreign and sports cars. Takes ony $94 / 2^{\prime \prime}$ below fender or deck. Extends to $25^{\prime \prime}$ collapses to $13 / 4^{\prime \prime} .48^{\prime \prime}$ per. manent lead. Shps. wt., 1 lb
11 H 7403
Net 1.99

UNIVERSAL 6 \& 12

## VOLT VIBRATORS

Direct replacements for most popularly-used types. All brand new factory-fresh stock. Made by leadIng national manufacturers. Fulty guaranteed. 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 H 5601 Shpg. wt., 1/2 lb.

| lots of | 1.4 | $5-9$ | $10+$ |
| :--- | :--- | :--- | :--- |
| Net ea. | 1.59 | 1.49 | 1.39 |

12. VOLT 3.PRONG

Replacement for Buick, Olds, Pontiac and GM part no. 122-0155; Mallory G874, CD 6330, Deico 8550; and Vokar 3129.
32 H 5602 Shpg. wt., $1 / 2$ lb.

| Lots of | 1.4 | 5.9 | $10 \neq$ |
| :--- | :--- | :--- | :--- |
| Het ea. | 1.59 | 1.49 | 1.39 |

## 12. VOLT 4-PRONG

Replacement for Mallory G859. Motorola 45822000, Philco and Mopar 83-0025-1. ATR 1840, Vokar 4124; and most later 12 -volt car. radio vilurators.
32 H 5603 Shpg. wt., $1 / 2$ to.

| lots of | 1.4 | 5.9 | $10+$ |
| :--- | :--- | :--- | :--- |
| Net ea. | 1.59 | 1.49 | 1.39 |

## MALLORY REPLACEMENT VIBRATORS

Replacement for all popular sets. Consult "Mallory Vibrator Guide" for correct replace. ment unit. Av shos wt th

| Stock No. | Type No. | Net ea. |
| :--- | :---: | ---: |
| 33 H 1104 | 6 VolTS |  |
| 33 H 1106 | 1601 | 2.82 |
| 33 H 1107 | G1501s |  |


(6) KEY-TENNA

Slides completely into mounting base. Locks with key rendering the antenna theft proof. $16122^{\prime \prime}$ below fender. ext. $43^{\prime \prime}$. With 48" leads: 2 keys. Shpg. wt.. 1 lb.

## 11 H 7404

Net 2.75

## (7) FM-KEY-TENNA

3-section disappearing safety-lok antenna. Extenos to 31" for toD FM performance. Complete with $48^{\prime \prime}$ leads, 2 keys. Shpg. wt., 1 ib. 11 H 7412
wt.
Net
2.95
(8) SPRING BACK REPLACEMENT STAFF

One plece, stainless steel, spring mounted replacement staff. $27 \not 12^{\prime \prime}$ tong overall. Mounts over stub of old antenna. Fits all cars. Simple set screw installation. Shpg. wt., 802. 11 H7406

Net .99

## (9) REPLACEMENT ANTENNA STAFF

3 section 57" replacement staff. Telescoping staff replaces antenna lost through accident or vandalism. Mounts on stub of broken an. tenna. Simple lock on mount. Shpg. wt., 802. 11 H 7405

Net 1.19
(10) TOP COWL MOUNT

3 section antenna measures $22^{\prime \prime}$ collapsed, and extends to $56^{\prime \prime}$. Mounts on polyethylene insulator. With $54^{\prime \prime}$ cable.
11 H 7401 Shpg. wt., $14 / 4$ lbs
Net 1.95

## REPLACEMENT <br> LEADS



Replacement lead 54" Universal. Shpg. wt., 1 lb .
11 H 7408
Universal extension lead, $24^{*}$ Net . 99 Universal extension lead, $36^{\prime \prime}$ Net .69 Net .79
ADAPTERS/JACKS/PLUGS/CONNECTORS

(A) Adapter converts Motorola to Delco fitting 11 H 6601

Net .10
11 H 6602-(B) Motorola jack ....... Net . 18 11 H 6603 - (C) Motorola plug ...... Net . 10 Antenna connector ( 0 ) Spring-loaded. Use between lead-in and auto radio. 11 H 6604

Net .12


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. 602.

11 H 7105 for 6 -cylinder cars ......... Net 2.39 11 H 7106 for 8 -cylinder cars

Net 2.69


## "TENNAMATIC" ELECTRIC AUTO ANTENNA

## - Electrically Raises and

 Lowers Automatically- Eliminates Vandalism

As Low As


Operate the antenna at the flip of a switch. Designed to fit most 12 volt cars. Mast ex. tends to $35^{\prime \prime}$ and retracts to $11 / 4^{* 2}$. Antenna cable is copper shleided. External parts are plated with chrome. Positive 15 tos. thrust insures "free action" even in sub zero tem. peratures. 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.
11 H 7102 $72^{\prime \prime}$ electric harness.

## 11 H 7101

DYNAMIC AUTO TENNA BOOSTER

- For New Transistor Auto Radios
- Increases Radio Range and Reception
- Electronically Equivalent to $110 \cdot \mathrm{ft}$. 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 exceot 4 sect. Antennas. Shpg. wt., $1 / 2 \mathrm{lb}$.
11 H 8902

# A 3rd Dimension In Sound 



DELUXE LAFAYETTE SOLID STATE CAR REVERBERATION SOUND SYSTEM

- For 12 Volt Negative Ground AM and FM Auto Radios-Convenient Under Cash Mounting Deluxe solld 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 Linder the dash panel of your car by means of adjustable brackets. $6 \times{ }^{9 / 4}$ dynamic speaker and chrome grill for rear seat mounting and all connecting cables. Includes simple instructions for con necting the revero unit to your regutar car radio system and for separate rear seat speaker. Reverberation is an entirely different approach to sound reproduction. Normal sound reproduction from
- Tuneable . . . Electronic Tuning Control.
"Custom Fits" the Sound to your Car, to your Ear. a single source has a flat, one dimenslonal effect; with proper sound detay thru "REVERBERATION," tones are created with a truly third dimension for concert hall originality. The LRE unit features complete sound control-simplified controis permit balance of sound between front and rear seat speaker. Verb-A-Tone control adjusts the amount of reverberation to your taste. Specifications for 12 volt negative ground cars, peak audio output-4 watts, 2 transistors, Size: $17 \% \times 4 \times 9$ ". Shpg. wt., 5 lbs.

17 H 0109
Net 22.95
ECONOMY PRICED CAR REVERB UNIT

## Only <br> 1195

For All 12-Volt Negative Ground Cars
Amazingly easy to install. Can be permanently mounted under dash in seconds with adjustable brackets. Transforms the monaural sound of car radios into sparkiling concert hall realism. All solid state circuitry. Requires rear-seat speaker. (See Lafayette's complete listing of rear speakers on page 260.) Beautiful chrome bezel with walnut grained panel, brush aluminum control plate. Dim: 61/2 $x$ $31 / 4 \times 1$ 140., Imported. Shps. wt., 2 lbs.
17 H 1401

## LAFAYETTE "VARY-MOUNT SPEAKER



Deluxe flush-mounting speaker with beautiful chrome grili. Ideal for use as an auto speaker or anywhere shal low 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. Impedance, 8 ohms. Overall diameter: 61/4". Imported. Wt.,
2 for 7993 lbs.
99 H 0179
2 for 7.99

- For all 12-volt Negative Ground AM \& FM Auto Radios
- Simple-Easy Installation
- Solid State Circuitry

[^17]LAFAYETTE CUSTOM SET of 4 SPEAKERS for CAR STEREO TAPE PLAYERS Only


Ready for quick Installation. Improves the sound and performance of any car tape player. KIt Includes: Four 474" 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 H 6286 $\qquad$

# Slim Decorator Styled Underdash Car Radios 

## DELUXE SOLID STATE AM CAR RADIO

- For 6 or 12 Volts Negative or Positive Ground
Superb quallity in a completely self-contained universal AM radio. Features all-transistor circultry for instant action, continuously variable tone control, bullt-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: $31 / 2^{*}$ round; 6 transistors, 2 diodes. Size: $1 \% \%^{\prime} \times 44^{\prime \prime} \times 9^{\prime \prime}$. For 6 or 12 Volt Negative or Positive ground. Shpg. wt., 5 lbs.
17 H 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 solld state circuit ( 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: $17 / 6 \times 4 \times 9$.". Shpg. wt., 4 lbs. 17 H $7420 \$ 5$ Monthly.

Net 39.95


## SOLID STATE MARINE/SHORTWAVE CAR RADIO CONVERTER

- Converts Any 12 Volt Negative

Ground AM Car Radio to 1.94-6.34 Mc band
Mear marine, shortwave or AM broadcasts at the flick of a switch. Fully transistorized circuitry gives instant-on action, and supersensitive reception. Butit in RF stage permits drift-free reception of distant SW, marine and time signal stations. For 12 volt nega. tive ground. Sensitlvity: 4 mv . Size: 17 mxy 9". Shpz. wt. 4 lbs.
17 H 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 solld state circuitry gives superb sound quality on both AM and FM bands. This trim unit features a continuously variable tone control, FM Muiti-plex plug for adaption to FM stereo, and an external $5 \times 7^{\prime \prime}$ heavy duty speaker for crisp. clear tone. 11 transistors, 1 thermistor, 8 diodes, RF stage, AVC, and AFC. Dimensions: $1 \% \times 4 \times 9^{\prime}$. For 12 Volt Negative Ground. Shpg. wh, 6 lbs.
17 7 His $\$ 5$ Monthly

## Net 59.95



- For 12 Volt Negative Ground

Ideal for converting companion AM.FM car radio listed above to a deluxe AM.FM/FM Stereo car radio. Will also convert any 12 volt negative ground FM radio with a stereo multiplex jack to stereophonic sound. Features dual channel volume and balance controls, dual channel tone control. Stereo Indicator light shows when station is broadcasting stereophonic sound. Advanced Solid State circuitry. Oim.: $17 / 8 \times 41 / 2 \times 9^{\prime \prime}$ Less speaker. Shps. wt., 4 lbs.
17 H $7428 \$ 5$ Monthly
Net 69.95


## UNIVERSAL 12 VOLT SOLID STATE AM CAR RADIO

- For 12 Volt Negative Ground - Removable Face Plate
- Tone Control Switch
- Built-in Speaker

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. Removabie face plate. for 12 volt negative ground system. Slize: $2 \times 43 / 4 \times 6 \frac{1}{2}{ }^{\prime}$. Imported. Shpg. Wt., 3 lbs.
$19^{95}$
Net 19.95


## Custom Radios For Volkswagen Cars

## SOLID STATE PUSH-BUTTON AM RADIO



- Designed For All Standard Models Up To 1968
- 5 Watts Superb Audio Power
- 5" External Speaker

Rich, padiant chrome and elegant appointments blend beautifully with the car's interior. Fea. tures all-transistor circult of advanced design which glves a full 5 watts of supert audio power. Automatic volume control provides constant, even comfort-level listening. Continuously variable tone control. Five quick-set push buttons permit finger-tio station tuning. Seven tuned circults, Including RF stage, give maximum sensitivity, installed in minutes. Shpg. wt., $71 / 2 \mathrm{lbs}$, 17 N $7421 \$ 5$ Monthly Net 37.95

## NEW SOLID STATE PUSH-BUTTON AM/FM RADIO



Deluxe solid state custom AM-FM radio for all standard Volkswagen models thru 1968. Matches decor of car's interior. All solid state circultry with hi-fil features. 11-transistors, 2-diodes. AFC on FM for drift-free performance. Push-pull output, high sensl-
tivity for long distance reception on both AM and FM. 4.1F stages on FM. Continuous vari. able tone control. Large $6^{*}$ external speaker. Shpg. wt., 6 bs.

17 H $7429 \$ 5$ Monthly
Net 69.95

NEW SOLID STATE MANUAL AM CAR RADIO

## SPECIALITY CAR AND TRACTOR RADIOS

DELUXE PUSH-BUTTON AM/FM CAR RADIO


All solid state circuitry, 11 transistors, 8 diodes, 2 thermistors. Pushpull Hi-Fi output. AFC for FM drift-free performance. High sensitivity for long distance reception on both AM and FM. Four I,F, stages on F.M. for maximum noise limiting. Large 5 xjm external speaker. Radio mounts neatly under dash. Overall size: $62 / 2 \mathrm{~W} \times 23 / 6 \mathrm{Hx} 65{ }^{\circ}=\mathrm{D}$. Imported. Shpg, wt., 6 lbs.
17 W 7412

## $\$ 5.00$ monthly

$\qquad$ Net 69.95
RUGGED, POWERFUL AM TRACTOR RADIO


095 with antenna Operates on either 6 or 12 volt, positive or negative ground. Heavyduty 6 " speaker. Push-pull output: 18w on 12 volts. Tuned RF stage. All weather corrosion-proof construction. Steel mounting bracket shock-proof mounts, With 57" steel spring telescoping antenna. Color: red and black. Dim: $18 \times 10 \times 8 *$. Shpg. wt 21 lbs. $17 \mathrm{~N}^{2427}{ }^{21}$

Net 69.95

## DELUXE NEW FM STEREO MULTIPLEX CAR RADIO



less speakers

## No Money Down

Universal Design-Fits Any Car with 12 Volt Negative Ground Electrical System
A deluxe, self-contained FM stereo car radio with magnificent stereo hi.fidelity reception, All solid state superheterodyne circuitry features 29 -transistors and 13 -diodes. Pushbutton AFC control locks in stations to prevent fading and drift. Stereo indicator light visually shows when you are receiving a stereo broad. cast. Interlocking volume and balance control. Maximum current drain is 1.5 amps with 2.4 mv sensitivity. 10 watts output power (5W per channel). Rugged all metal case has chrome face plate. For under dash installation complete with mounting hardware. Size: $71 / 4 \times 81 / 2 \times 2 \%{ }^{*}{ }^{*} H$. Imported. Shpg. wt., 6 lbs.

Listen to the true brilliance of FM stereo broadcasts

17 H 0901wx $\$ 6.50$ Monthly
Deluse FM-Key Car Antenna-disappearing type with safety lock 11 H 7412 Shpg . wt. 1 lb .

# Selected Solid State Portable Car Radios 

## NEW PANASONIC RF-880 RADAR-MATIC FM/AM/MB PORTABLE CAR RADIO

## ${ }^{\text {onf }} 89^{95}$

With 4 " $D$ " Batteries and Earphone

## 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 Mc Marine band, $5^{\prime \prime}$ dynamic speaker provides outstanding sound reproduction. Powerful 2.5 watt audio output for auto use. Has telescoping FM swivel antenna, ferrite-core $A M$ 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: $101 / 10^{\prime \prime} \times 74 / 4 \times 33 / 9 "$. Imported. Shpg. wt., 6 Ibs. 17 H 3046L $\$ 5$ Monthly

Net 89.95
Model AS. 303 Universal Mounting Bracket with lock for auto use. ( 6 or 12 volts reverse polarity.)
17 H 3047 Shpg. wt. 2 lbs.
Net 14.95
99 H 6256 Extra " $D$ " batteries for above ( 4 req.) ..... Net ea. . 15


## NORDMENDE GLOBETRAVELER JR. 5 BAND SOLID STATE PORTABLE CAR RADIO

- AM, FM, and 3 SW Bands
- $5 \times 7^{\prime \prime}$ Speaker

109
95

- Illuminated Dial No Money Down

The ideal versatile set for car, travel and home. Quality features include: 5 wave bands; FM, AM broadcast, longwave ( 230.400 kc ), 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 llluminated dial. Built-in $5 \times 7$ " hiffi speaker and push-pull audio output up to 4 -watts, provide brilliant sound even in noisy areas. When installed in a car, the radlo is automatically connected to the 6 or 12 -volt battery and car antenna with optional bracket. Has built-in telescopic and ferrite antennas. Operates on 5 "D" batteries (not supplled), car battery or AC with optional AC adapter (see below) $111 / 2 \times 8 \times 33 / 4$. Imperted. Shpg. wt., 8 lbs.
17 H 7204 XL $\$ 6$ monthly
Net 109.95
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 H 7205

Net 21.95
99 H 6256 " $D$ " Type Batterles for above. (5 req.) ..... Net ea. . 15 AC Power Supply Adapter for Globetraveler Jr. 17 H 7203 Shpg. wt., 1 lb

Net 13.55

## "TOM THUMB" SOLID STATE CAR/PORTABLE AM RADIO



- For Portable Use or Operation on 12 Volt Negative or Positive Ground Systems
A superb dual-purpose AM radio. As a mobile unit, operates on 12 -volt positive or negative ground. As a portable, operates on four "C" batteries. Features 6 tuned circuits, 8 high-gain transistors, and improved AVC and RF stage. Powerful built-in antenna assures good reception in virtually all locales and under almost all weather conditions. With lock-and-key theft-proof mounting bracket. Less

17 H 2602
Net 29.95
TOM TWUMB FM-AM CAR PORTABLE Same features as above but with FM and rear speaker. Shpg. wt., 8 lbs.
17 H 2607
Net 49.95
99 H 6257 "C" type batteries for above radio (4 req.) _ Net ea, 14

9. 



BLAUPUNKT SOLID STATE 4 BAND FM/AM/SW/MB PORTABLE CAR RADIO


Super performing 4 band Auto/Portable radio. Tunes 2.2 to 5 Mc Marine, 6 to 7.5 Mc SW, 88 to 108 Mc FM, and 550 to 1600 Kc AM band. Retractable, pivoting telescopic antenna for shortwave/FM reception. Has push/pull output stage and sockets for earphone, tape recorder and record player. Features AFC with defeat switch. 2 watts power output. Also has a variable tone control for true hi-fi music reproduction. Attractively housed in a black case. Operate on 6 "D" batterles, car battery or AC with optional AC adaptersee below. Size: $93 / 4^{\prime \prime} \times 73 / 4^{\prime \prime} \times 34 / 3^{\prime \prime}$. Shog. Wt., 7 lbs. Made in West Germany
17 H 1518L $\$ 5$ Monthly Net 84.95
Universal Mounting Bracket, with lock, for auto use (6 or 12 voltsreverse polarity).
17 H 1519 Net 19.00
AC adapter for above radio.
17 H 1520
Net 2.95
"D" size flashlight battery (6 req.) for portable use.
Net ea.
.15

## Deluxe PANASONIC'and SONY TV Sets

## NEW PANASONIC CT91T ELEGANT UHF/VHF TABLE COLOR TV WITH LARGE 168 SQ. IN. VIEWING AREA



- Beautiful Walnut Wood Cabinet
- Built-In Automatic Degaussing System

New, eiegantly styled color TV boasting a bls 168 square inches of sharp, detalied pleture viewing area. New advanced circultry assures you of a strong, stable color signal, and bright, rich color fidelity, as well as brilliant black and white reception. Automatic degaussing system provides consistant color purity. Hue controls allow adjustment of colors to suit your own personal taste. You will enjoy the superb sound of the fult fidelity front-mounted speaker. Tuning is convenient and easy with up-front controls.

Also features Panasonic "Set and Forget" tuning. Adjust each channel once, then, automatically, your picture is adjusted for perfect color-channel to channel. Strikingly handsome wood cabinet with a special hinged panel to tuck-away controls for beautiful deslgn symmetry. Complete with earphone jack and earphone. 28 tubes, 1 transistor, 13
 ported. Shpg. wt., 92 lbs.

17 H $3050 \mathrm{wx} \$ 19.00$ monthiy Net 359.95

PANASONIC AN42-D
75 SQ. IN. ALL CHANNEL PORTABLE TV

${ }^{\text {onl }} 89^{95}$
No Money Oown

- "Black-Out" Screen
- Retractable Handle
- Walnut Grain Finish

An exciting new VHF/UHF portable that will give you bright, clear large set performance at a low, low price. The $110^{\circ}$ aluminized picture tube offers you a full 75 square inches of detaited pleture viewing area. Unique "Black-Out" screen assures crystal sharp pictures even In daylight. Built-in VHF and UHF antennas provide for exceptionally strong all-channel reception, even in fringe areas. A $31 / 2^{\prime \prime}$ round speaker delivers big set sound. Retractable hande disappears out of sight when not In use. The sleek lines of the lightwelght, wood grained cabinet will enhance the decor of any room. Convenient front panel mounted controls include VHF and UHF tuning, on/off volume, brightness, and Contrast. Dimenslons: $12^{\text {" }} \mathrm{H} \times 17^{\text {"W }} \mathrm{X}$ $111 / 2^{\prime \prime} 0$. Imported. Shpg. wt. 15 its. 602. 17 H 3051 WX $\$ 5.00$ monthly $\qquad$ Net 89.95
PANASONIC TR-903R UHF/VHF TV WITH
FM-AM RADIO AND AUTOMATIC TIMER


ONLY


No Money Oown

With AC Power Cord, Ear Phone, Sun Visor
$90^{\circ}$ deflection aluminized picture tube gives a brilliantly clear 37 sq. In. viewing area. Set the auto timer for up to a full hour of viewIng or listening pleasure-then relax or even fall asleep and the set turns ltself off. FM/AM radio features a slide rule dial for trouble free tuning, blg $4^{\prime \prime} \times 212^{\circ}{ }^{\circ}$ speaker for full rich sound. AFC prevents station drift on FM. Bulit in whip antenna for radio listening pleas. ure. Swing up UHF antenna for hard to get stations. Wood grain finish. Imported. $81 / 4 \times 123 / 1 \times 9^{\prime \prime}$. Shpg. wt., $131 / 2 \mathrm{lbs}$.
17 H 3023 WX $\$ 8$ Monthly
Net 149.95

## SONY MODEL TV-700U PERSONAL PORTABLE SOLID STATE TV

# Deluxe Panasonic And Hitachi Radios 

NEW DELUXE PANASONIC RC 7247 SOLID STATE FM/AM CLOCK RADIO


Only


No Money Down

- Large 3½" Dynamic Speaker - Full Feature Telechron Clock
- Handsome Walnut Wood Cabinet
:ine contemporary design FM/AM clock radio has a special Snooze Alarm to let you doze off; then wakes you gently again to your favorite music. And, of course, it has a fuil feature Telechron clock with alarm and lighted face. You enjoy unusually fine sound from a $31 / 2^{\prime \prime}$ dynamic speaker. Easy preclsion slide rule tuning. Bulit-in AM antenna. FM line cord antenna. Handsome walnut wood cabinet accented by a distinctive black grille. 13 solid state devices. UL listed. Dimensions: $131 / \mathrm{gW} \times 5 \frac{1}{1} \mathrm{H} \times 7 \mathrm{H}_{0}{ }^{\circ} \mathrm{D}$. Operates on 117 V 60 cycle AC. Imported. Shpg, wt., 6 lbs.
17 H 3052 w $\$ 5$ Monthly


## NEW PANASONIC RF-3000A 6 BAND SOLID STATE AM/FM/SW PORTABLE

NEW PANASONIC RF-800 SOLID STATE AC OR BATTERY POWERED FM-AM PORTABLE 16


Only

## $37^{88}$ <br> No Money <br> Down

All new trim modern look. Famous Panasonic performance and quality. Sounds every bit as good as it looks. Newly developed $4^{\prime \prime} \times 21 / 2^{\prime \prime}$ corner wide oval speaker for flawless sound reproduction. Remarkably sensitive, picks up stations over considerable distances. AFC on FM for drift-free reception. Lighted dial for easy tuning. Vernier tuning dial. Advanced solid state circuitry-9 transistors plus 5 diodes. Earphone for private listening. Dperates on 4 AA batteries or AC with accessory power cord (included). Size: $8 \%, W \times$ $4^{11 / h}, \mathrm{H} \times 2^{\text {"ㅇ }} \mathrm{D}$. Color: Black with silver trim. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$. UL listed.
17 H $3048 \mathrm{~L} \$ 5$ monthly $\qquad$ Net 37.88
99 H 6258 Extra "AA" batteries (4 req'd) Net .10
complete with batteries, carrying case, earphone, shoulder strap, power cord, and gift box.

- AC or Battery Powered
- 30 Solid State Devices
- 2 Matched Dynamic Speakers

Dial in to the world! This superb lang range portable will put you in touch with what's happening throughout the world. Tunes: Long Wave; 150 to $400 \mathrm{KC}, A M ; 535$ to $1600 \mathrm{Kc}, F M_{;} 88$ to $108 \mathrm{Mc}, \mathrm{SW}-1$; 1.6 to $4.5 \mathrm{Mc}, \mathrm{SW}-2 ; 4.5$ to 12 Mc , SW-3, 12 to 22 Mc . 30 solld-state devices plus (IC) integrated circuit for powerful and sensitive reception on all bands. Features matched $5^{\prime \prime}$ and $4^{\prime \prime}$ hi-fi dynamic speakers for magnificent sound reproduction. Unique, easy-tooperate "Roto" dial. Separate visual indicators for bass and treble tone controls. AFC on FM for drift-free reception. Tuned RF stage for FM and AM. Battery and tuning indicator meter. World Time conversion table. Dial light. AC cord housing compartment. Telescoping antenna, Jacks for recording, phonograph, earphone/ external speaker. Size: $14 \%{ }^{*} \mathrm{~W} \times 10^{\circ} \mathrm{H} \times 5 y_{12}{ }^{\circ} \mathrm{D}$. Color: Black with silver trim. With $6^{\prime \prime} D^{\prime \prime}$ batteries. Imported. 17 H 3049 WX Shpg. wt., $15 \mathrm{lb} . \$ 8$ monthly $\qquad$ Net 149.95 99 H 6256 Extra " $D$ " type batteries ( 6 req'd) Net . 15

## $149^{95}$

 No Money DownWith
Batteries
and Earphone


No Money Down With 2 Earphones and Batteries

## AC Adapter

 $4^{89}$

- Swing Out Extension Speakers


## NEW HITACHI MINI SOLID STATE STEREO FM AND FM/AM PORTABLE RADIO

Complete radio Ilstening enjoyment-glorious stereo FM, static.free be used for external speakers. Tuner output terminals. Deluxe FM, and standard AM is yours with this superb portable. Features leatherette covered cabinet with chrome grille and carrying handle. advanced solld state circultry: 17 -transistors, 13 -diodes, and 2 . thermistors. 2 full range $4^{\prime \prime \prime}$ electronically balanced speakers, one in each extension enclosure. Can be spaced for best full dimensional stereo realism. Stereo Flasher pinpoints stereo FM broadcasts. Continuous Tone control Pushbutton Band Selector; separate funing and volume controls. External telescopic rod antenna for FM, bullt-in Ferrite core antenna for AM. 2 earphone jacks can also
leatherette covered cabinet with chrome grille and carrying handle. Dim. (closed) $95 / 0^{" W} \times 51 / 2^{\prime H} \times 37 / \mathrm{g}^{\prime \prime} \mathrm{D}$, opens to $191 / 2^{\prime \prime} \mathrm{W}$. Imported. Shpg. wt., 6 lbs.
17 H 2406 XL $\$ 5$ Monthly Net 74.89 17 H 2407 AC Adapter. Shpg. wt., 602. Net 4.89 99 H 6257 Extra "C' batteries (4 req.) Net ea. 14


## $49^{95}$

NO MONEY DOWN

## Hondsomely Siyled

- Irs A Deluxe AM/FM Radio
- It's A Full Feature Telechron Clock
- It's A 3 Position High Intensity Lamp One of the most dramatic solid-state radios we have ever offered. Marvel of space-age electronic design, You'll be amazed at all the features. Ideal for home or office use. Outstanding performing AM/FM clock radio features: large $31 / 2^{*}$ dynamic speaker powered by 15 semiconductors, bullt-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 $\approx 93$ bulb. Elegantly styled Beige plastic base with genulne Rosewood trim. FM line cord antenna. Size: $9 \times 63 / 4^{\text {L }}$. Imported. Shpg. wt., 5 lbs.


AC/DC AM-Weather Table Radio

## ONLY

Fealures built-in Thermometer and Hygromefer

- Operates On Batleries Or 117 VAC - Twin Dynamic Speakers For Rich

Tonal Balance
With eorphane, battery, UL listed AC line cord
Absolutely one of the most amazing radios you can own . . . besides providing superb standard AM reception through twin dynamic speakers, this hand. some radio serves as a quality weather instrument. Accurately made thermometer measures temperature; hygrometer measures percentage of humidIty in the alr. Radio also features superhetrodyne circuitry and AGC (Automatic Galn Control). Operates on a single 9 volt battery or 117 VAC household current with accessory UL Iisted AC line cord. Earphone jack for private listening. Dim: $33 / 6 \times 113 / 4 \times 6^{*}$. Imported. Shpg. wt., 4 bs.
99 H 7503WX
99 H 6021 Extra 9 volt battery for above
492

Unique black leatherette "camera look" styling sets a new precedent in miniature FM/AM portable radios. Features a two-step tone control, slide-rule tuning, swivel whip antenna and $21 / 2^{\infty}$ dynamic speaker. 9 transistor plus 6 diode superhetrodyne circuitry for excellent sensitivity. With wrist strap for easy carrying, and earphone for private listening. Dim: $31 / 2{ }^{\text {" }} \times 5^{\prime \prime} \times 11 / 2^{\prime \prime}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
17 H 3045 L
Net 29.95
99 H 6021 Extra 9 volt battery
Net 21

## Our Finest Performing SOLID STATE AM PORTABLE RADIOS



## New Lafayette AC-DC Full Size AM Portable Radio



- Operates On 4 "C" Type Batteries Or 117 VAC With Buill-In Line Card

With botleries and earphone Reproduction

Tremendous performer-carry it with you, or use it at home. Advanced solid state circuitry and large $4^{*}$ speaker provide magnificent performance. Handsomely styled black leatherette case with handle. Operates up to 500 hours on 4 "C"' batteries (included) or just plug into any 117 VAC with built-in line cord. Ferrite rod antenna and earphone jack for private listening. Imported. Dim: $9 \times 6 \times 27 /{ }^{\circ}$.

Net 14.95
99 H 6257 Extra "C" batteries for above ( 4 req.)


New Lafayette "Mighty Ten" 10 Transistor Pocket AM Radio


In gifl box camplete with earphane, carrying case and battery

All new, attractlvely styled 10 transistor pocket radio. Powerful superhetrodyne circuit pulls in stations near and far. Large $21 /{ }^{\prime \prime}$ dynamic speaker has full tonal quality. Operates on low cast 9 volt battery. Earphone jack for private Ilstening. Measures $42 / s^{2} \times 3 \times 11 / s^{2}$. Black with walnut grain trim. imported. Shpg. wt. 11 l .
17 H 0162
99 H 6021 Extra 9 volt battery for above radio
Net 5.95
Net ea. . 14

## New Deluxe 9 Transistor Micro Radio

- Only $23 / /^{\prime \prime} 1 \times 23 / 4{ }^{\prime} W . \times 11 / 0^{\prime D}$.
- Beouliful Block Plastic Cose With Chrome Trim

Deluxe micro radio is an ideal gift for any occasion. This remarkable radio has 9 transistors and 1 diode to glve you big radio performance in a miniature size. Specially designed high efficiency dynamic speaker magnificently reproduces all of your favorite AM stations. Automatic Volume Control does away with fading. Built-in Ferrite bar antenna. Black plastic case with die case polished trim. Imported. Shpg. wt., 2 lbs. 17 H 6934 L Net 8.95
99 H 6021 Extra 9 volt battery for above _... Net .21

nomenerent


Powerful Lafayette 14 Transistor Semi-Pocket AM Radio

ONLY
$8^{95}$
In giff bax whith battery, vinyl case, and wrist strap


New elegantly styled and precision made semi-pocket portable radio. Powerful superheterodyne circuit utilizes silicon transistors for powerful reception on the entire AM broadcast band. Features automatic volume control circuit. Exceptional tonal quality from pushpull audio output circuit and $21 / /^{* *}$ dynamic speaker. Ferrite core antenna. Earphone jack for private listening. Powered by inexpensive 9 y battery. Black with silver and walnut grain trim. Size: $41 / 2 \times 3 x$ $13 \% \mathrm{~m}$. Imported. Shpg. wt., 2 los.
17 H 0143 L
Net 8.95
99 H 6021 Extra Battery for above
Net .21

## Thrill to Short Wave and VHF Radio Listening



NEW! 5 BAND AM/FM/MARINE/SW PORTABLE - 12 Transistors, 7 Diodes. 1 Thermistor

- Electronic Band Spread
- AFC For Drift Free


FM Reception
No Money Down
Handsome 5 band portable radio in rugged Tex on case. Bands: AM (540-1600K) FM (88.108MC) Marlne/Weather (1.7-4.7MC) International shortwave ( $4.5-12 \mathrm{MC}, \quad 11-22 \mathrm{MC}$ ). Electronic band spread for fine tuning, vernier control for pinpoint selectivity, AFC switch for drift free FM reception, local-distance switch for easy tuning of weak stations, tone control, push button nightlight, $3 y^{\prime \prime} \times 4 \frac{y^{\prime \prime}}{}$ " speaker, earphone attachment, plays on " "C" cell' batteries included or electric home current with optional AC adapter. Dimensions: $9^{\prime \prime} \mathrm{HX}$ $7^{m} \mathrm{~W} \times 3^{-} \mathrm{D}$. Shpg. wh. 7 libs. Imported.
17 H 6930 L $\$ 5$ Monthly
Net 49.95
17 H 6931 AC Adapter for abovet
Net 49.95
99 H 6257 Extra "C' batterles- 4 req.
Net ea. . 14

## 10-TRANSISTOR MARINE/AIRCRAFT/AM SOLID-STATE PORTABLE

Covers: AM Broadcast Band 54-160 KC
Marine Band 2 to 6 MC
VHF Aircraft Bond 108-135 MC
wita apronene $32^{95}$

## NO MONEY DOWN

Listen to aviation control towers, monitor aircraft frequencies, hear marine weather reports as well as standard AM broadcasts. Large $31 / 2^{\mathrm{m}}$ fulli-range speaker offers fine sound reproduc. tion. Stide rule tuning dial. Operates on 4 penlight batteries as well as 110 VAC house current with optional AC adapter listed below. Beautiful black leather-like plastic cabinet. Dimensions: $63 / 4 \times 45 / 8 \times 21 / 2^{\prime \prime}$. Imported. 17 H 7816 L Wt., 5 lbs. ......Net 32.95 AC Adapter. Wi., $1 / 2 \mathrm{lb}$.
17 H 7817L
Net 3.95 Extra Batteries, 4 required 99 H 6258

Net ea. . 10

- Receives: AM, SW, FM, Marine Band, \& Aireraft VHF
- Superb Tonal Quality

One of the most versatile multi-band portable radios we've ever offered. You can listen to standard AM and FM broadcasts, thrilling International shortwave programs on the 4 to 12 MC band, marine navigation and weather reports on the 1.6 to 4.5 MC band, and lastly tune in the alrcraft band ( 108 to 135 MC ) and hear pilots and aircraft control towers. Marvelous reception from large $6^{\prime \prime} \times 4^{\prime \prime}$ full range speaker powered by 16 transistors, 5 diodes, and 1 thermistor. Twin ferrite and telescopic antennas assure superb sensitivity on all 5 bands. Features Fine Tuning Control, AFC Lock. Dial Light, and continuous Tone control. Richly styled padded black leatherette cabinet. Earphone for private listening. Also Includes Phono input jack to play phonograph thru the radio. AC Jack for playing radio on 117 VAC 60 cycle househald current with optional AC adapter. Size: 11 X $71 / 2 \times 32 /{ }^{\prime \prime}$ " Shp. wt., 6 lbs. Imported.
17 H $0140 \mathrm{~L} \$ 5$ monthly
Net 59.95
Extra "D" Batteries 4 required
99 H 6256
Net ea. . 15
17 H 0141 L AC Adapter for above Net 4.95

## B LAFAYETTE GLOBEPACER 11 BAND 18 TRANSISTOR AM/FM SHORTWAVE PORTABLE

- FM/AM/Marine/Long Wave orid 7 SW Bonds
- Operates on " "C" Cell Botteries or II7V AC with Optional AC Adapter
- Electronic Fine Tuning (Bandspread)
- $69^{\circ \prime}$ Retractable Telescopic Antenna

Worldwide radio listening pleasure and excitement is yours with this superb portable. FM for live performance fine music realism ( 88 to 108 MC ). AM for news, sports, weather and music ( 540 to 1600 KC ). MARINE for ship-to-shore and marine weather reports ( 2.4 MC ). LONGWAVE for fixed station aeronautical and marine ( 150 to 400 KC ). INTERNATIONAL SHORTWAVE (seven bands) ( 4.2 to 9 MC , 5.9 to 6.3 MC-bandspread, 9 to 12 MC, 9.5 to 9.8 MC-bandspread, 11.7 to 11.9 MC-bandspread, 15 to 15.4 MC-bandspread, 17.7 to 17.9 MC-bandspread. Horizontal slide rule dial with rotating cylindrical dial scale for preclse and accurate tuning. Electronic fine tuning (bandspread) for ultimate accuracy in shortwave band tuning. Features tone control and AFC to eliminate drift on FM. For improved audio'reproduction, extended side band reception can be switched in to produce hi-ni sound by means of a "Hi-Fi.DX" switch. Large ferrite bar antenna for LW and MW bands, and a multisection whip for SW and FM bands. Large $4^{* *}$ full range speaker for outstanding sound reproduction. 18 Transistors, 9 diodes, and 1 thermistor. Separate jacks for external antenna, earphone, AC (with optional adapter), speaker and phone. Size $13 \times 8 \times 5^{\prime \prime}$ With batteries, external antenna wire and earphone. Imported. Shpg. wh., 10 lbs . 17 H 6915 wx $\$ 5$ Monthly
Extra "C" batteries, 6 required.
99 H 6257
Net ea. . 14
AC Adapter for playing radio on 117 V AC.
17 H 6916
Net 4.95

## NEW! IMPROVED NORDMENDE 15 BAND GLOBETRAVLER II AM/FM/SW/RADIO

- Porlable Radio for Home, Auto, Boat-Goes Anywhere


## - 15 Transistors, 12 Diodes

The deluxe 15 -band Globetravier II 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 listening pleasure and excitement is at your finger tips. Includes standard AM broadcast band, FM. Marine Band, LW Weather-Navigation Band and 11 shortwave bands. Outstanding features: NEW! Built in AC and compartment for AC cord, NEW! Drum dial for all 11 shortwave bands, and NEW! I. F. Bandwidth switch. $6 \times 9 \times$ full range speaker. Separate jacks for earphone, external speaker, phonograph, tape recorder, and separate amplifier. A bullt-in ferrite antenna for AM, a telescopic antenna for FM, and an additional telescopic antenna for SW increases its sensitivity and selectlvity. 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. $121 / 6 \mathrm{~W} \times$ $81 / 8 \mathrm{H} \times 4^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 12 lbs.
17 H 7208 wx \$9 Monthly
Net 179.95
Universal 6 or 12 volt car boat mounting Bracket with lock 4 lbs. 17 H 7209w Net 22.95 17 H $7209 w$
Size "D" Flashlight Batteries. 5 required 99 H 6256

Net. . 15

## with These Deluxe Multi-Band Portable Radios

## A LAFAYETTE

 5-Band 16 Transistor Shortwave and Aircraft Portable 5995 with earphonesand batteries NO MONEY DOWN

> B LAFAYEITE
> 11 Band 18 Tra nsistor AM/FM Shortwave Portable 95 with corphones and borteries

NO MONEY DOWN

Popular Science, Jan. ' 67
C] New Improved NORDMENDE 15 Band Globetraveler II AM/FM/SW Radio
for Use As A Portuble, Hame
Radio, Auto Radic, Boal Radio

is TRANSISTORS i2 DIODES

## TUNING RANGE

AM Standard Braadcast
MB Marine Band IW Weather-Novigatian

540-1 800 Ke 88-108Mc $1.5-3.5 \mathrm{Mc}$ $145-420 \mathrm{Kc}$
3.61 to 3.84 MCS 4.60 to 4.89 MCS 4.84 to 5.13 MCS 5.90 to 6.26 MCS 6.96 ta 7.40 MCS 9.35 to 9.90 MCS 11.50 to 12.16 MCS 14.85 to 15.70 MCS 17.38 to 18.35 MCS 20.95 ta 22.10 MCS 25.15 to 26.58 MCS


## New! Lafayette AC/DC 15 Transistor 3 Band AM/FM/SW Portable

- Operoles on 4 "C" Bolteries or 117 V AC with Built-in Line Cord

Superb 3 band por:able ...tunes the standard AM broad cast band ( 550.1600 KC ) FM Band (88.108MC) and the 4-12MC Internatienal Shortwave Band, For exciting world wide listening pleasure. Provide's magnificent tone from large $31 / 2^{\prime \prime}$ speaker; powered, 15 transistors and 5 dlodes. Builitin AFC circuitry to prevent drift on FM. Features high/low tone control switch, slide rule dial for precision tuning. Built-In ferrite antenna fol AM reception, telescopic antenna for FM and SW. Texon leatherette finished case in black, with handle and chrome irim. With batteries and earphone for private IIstening. For $117 V A C 60 \mathrm{CDS}$ or operates on 4 "C" batterles. Slze: 11 "W $\times 7$ " $\mathrm{H} \times 31 / 4{ }^{\circ} \mathrm{D}$. Imported. Shpg. wt.id 8 lbs.
99 H 3527 l
Net 29.95
95 H 6257 Extra C Batterles- -4 req. Net 29.95


New / Lafayette Star-Fire II Solid State AC/DC FM-AM Portable Radio with Built-In Telephone Amplifier


- Lorge 4" Speaker Offers Life-Like Hi-Fi Sound Reproduction
- Full Size: $9 \times 61 / 2 \times 31 / 2^{\prime \prime}$

Tihe advantage of thls exciting new concept in radio design...be the proud owner as a superb performing FM-AM portable radio that can also be used as a telephene amplifier with any telephone pick-up. Operates on 4 " C " type batterles or uee in the home with economical accessory AC adapter which connects to 110 120 volt house line. Features 1 RF and 3 IF stages for extremely $n$ gh sensitivity and selectivity. AFC circuit make drift on FM virtually non-exdstant. - Built.in carrying handle is recessed to hold $33^{\prime \prime}$ telescoping antenna, Bulit-in ferrite atenna for AM. Luxurious break-resistant black plasific case with chrome trim. Compleie with earphone for private listening, AC adapter, batterles, telephone a mplitier jack. Imported. Shps-wt., $34 / 2 \mathrm{lbs}$.

943532 Telephone pick-up with plug, wt, 4 oz . $\qquad$ Net 24.95

- H 3532 Telephone
$\qquad$ Net .99 21 H 257 Extra " $C$ " Batteries ( 4 required)



## NewI Deluxe Lafayette

"Mini" FM.AM Portable

$16^{\circ}$95 - Superbly Styled Die Cost Front

- Slide Rv Dial with Lagging Scole for Precise Tuning
Supersensitive, powerpacked beauty provices sparkling performance on both FM and AM and measures cnly $27 / 0^{\prime W} \times 43 / 4 \mathrm{H} \times 12 / 2^{\prime D}$. Advanced solld state superheterodyne circula gives you real pulling power af stations both near end far. Built-in AFC clicultry to pevent drift on FM. Features slide rule dlal and log. ging scale for precist tuning. Large $21 / 4^{*}$ dynamic speaker reproduces vaice and music with fine tonal balance. Ferrite rad antenna for AM, telescoping antenna for FM. Supebly sfyled and constructed die cast front. Powered by single 9 volt battery. Includes earphone for private listening, battery, and handy carrying strap. Imported. Shpg, wt., 3 lbs. 99 N 3524 L

Net 16.95 39 H 6021 Extra 9 volt battery for above-N Net 21


New! Lafayette "Air Master" 10 Transistcr AM and Aircraft Portable Radio

## $21^{95}$

with botteries, earphone. carrying strop
Listen to the exciting frequencies of aircraft communications in your home, car, or office on the $108-136 \mathrm{MC}$ aircraft band. Moniter aviation conirol tower transmissions, listen to planes in filght, get their landing patterns and weather reports. You are actualy wift the pilot as he receives instructions for take-offs and landines. Aiso includes AM band. Features large $3^{*}$ speaker, slide rule dial with logsing sca@, ferrite rod AM antenna, telescoping VHF a atenna. Operates on " "AA" batteries (included) or on 117 V AC with cptional $A C$ adapter. Earphone for private listening. 10 transistors, 4 dlodes,
 99 H 3523 L

Net 21.55
17 H 3802 AE Adapter for above, Wt. 6 oz.
Net 1.95

## New! Lafayette "Guardian" 11 Transistor AM and Police Portable Radio


with batteries, earphone. corrying strop Slide Rule Logging Scale for Precise Tuning Listen to the drama of everyday life with this exciting radio on the 147 to 174 MC band. Monitor local and state police, as well as fire departments, civil defense, emergency public services. Also lacludes standard AM broadcast band. Slide rule dial with logging scale for extremely precise and accurate tuning. 2 RF stages and 4 If stages Ferrite rod AM antenna, telescoping VHF antenna, Large $3^{7}$ speaker. Handsome black case with silver trlm. Earphone jack for private listening. Operates on 4 "AA" type batteries (included) or $117 \mathrm{~V} A C$ with optional AC adapter. 11 transistors, 4 diodes, 1 inermistor.
 99 H 3522 L

Net 24.95
17 H 3802 AC Adapter for above. Wt., 6 oz. .... Net 4.95 99 H 6258 Extra "AA" batteries ( 4 required. ____ Net ea. 10


Deluxe portable operates on batteries or $117 V$ AC household curre tt with built-in AC line cord. Tunes 145 to 175 MC police band 540 to 1600 KC AM broadcast band. Powerful 17 semiconductor solid state circuitry. Slide rule dial. AFC lock prevents drift on VHF band. Large $31 / 2^{\prime \prime}$ dynamic speaker. Handsome black leatherette case. Ferrite core AM antenna, telescoping VHF antenna. Imported. Dim.: $83 / 4 \times 3{ }^{\circ} \times 5{ }^{1 / 4}{ }^{* \prime}$ 17 H 0160L Shpg. wt., 4 lbs.

Net 2.95
Latayette AE/IC AM and Aircraft Portable - Same deluxe teaturas and dimensions as above radio but tunes 108 to 135 MC aircréft band and 540 to 1600 K AM band. Imported.
17 H 0161 L Shpg, wt, 4 lbs. ( 4 req.)
99 H 6257 Extra "C" battery
Net 20.95
Depend on Lafayette for Complete Stocks, Lowest Frices, Fastest Service


4 Band $A M / F M$
Aircraft/Police Radio

17 H 6933 AC Adapter for above. Wt., 1/2 lb.
Net 3.95
Deluxe 4 band radio powered by 12 transistors, 7 dicaes and 1 thermistor. Covers aircraft band 107-136 AMC, police band 148-174 MC, standard AM 540.1600 KC and FM 88.108 mC . Features push button nightlight, squelch control, AFC lock for irift free FM reception, vernier tuning with 10 to 1 , ratio for pinpoint selectivity, 4" speaker, local-distance switch for easy tuning of weak stations. Plays on 6 "C" cell batteries (incl.) or electric home current with uptional AC adapter. With earphone. Imported. Dim.: 7"Hx10 $1 / 4$ "Wx3x ${ }^{2} \mathrm{D}$. 17 H 6932 L Shpg. wt., 8 lbs.

Net 49.95

Net .14
(B) The Longest Solid State AM.FM Table Radio wo have ever offered,


Twin-Speaker FM-AM Table Radio

- Beautiful Oiled Wainut Waad Cabinet
- Twin $4^{\circ "}$ Full-Range Speakers
- AFC Lack Prevents Drift an FM

Superb Lafayette twin-speaker FM-AM table radio offers magnificent performance and handsome styling. Two large 4" speakers provide room filling high-fidelity sound with exceptlonal clarity. Powerful 16 -semiconductor circult has an output of 1 watt, Automatic
Frequency Control (AFC) lock prevents dift on FM, Frequency control (AFC) lock prevents arift on fous has big silde rule (AM-FM-FM/AFC), On/Off Volume, Tone, and Tuning. Handsome oiled walnut veneer wood cablinet and rich grill cloth. Size: $65 / 6 \times 141 / 8 \times 47 / 0^{\omega}$. for $105-120 \vee A C, 50 / 60$ cycles or $105-120 \vee D C$. Imported. Shpg, wt, 7 Ibs.
17 H 0110w $\$ 5$ monthly

Net 34.95

(B)New Lafayette 2 Foot Long Solid State AM-FM Table Radio

- Decaratar Styled Walnut Woad Grain Plastic Cabinet
- 2 Large $6 \times 4^{\prime \prime}$ Speakers Pravide Outstanding Saund
- Built-in AFC Far Highly Stable FM Receptian

Lafayette 2 band solld state AM-FM table radio of unique slim design which will become a conversation plece in your home. Two $6^{\circ \prime} \times 4^{* \prime}$ speakers reproduce rich full-frequency sound on both FM and AM. Supersensitive Ferrite coll AM
antenna brings in distant stations clearly while an attached FM cord antenna is provided to assure clear FM reception. Continuous variable tone control per: mits bass and treble adjustments to your taste. Automatic frequency control clrcuit (AFC) eliminates the need for constant retuning of FM stations due to drift. 13 solid state devices. Large slide rule dial has logging scale and smooth tuning mechanism for instant station selectlon. Size: $241 / 2^{\prime \prime} \times 61 / 4^{\prime \prime} \times 5{ }^{\prime \prime}$. For tuning mechanis, Shpg, wt., 8 lbs, Imported.
$17 \mathrm{H} 0163 \mathrm{WX} \$ 5$ Monthly
(C)3-Band Solid-State FM/AM/SW Table Radio - $26 \times 4^{\prime \prime}$ Dynamic Twin Speakers

- Precisian Slide Rule Dial with Lagging Scale
- Functional Indicatar Lights

Smartly styled 3 -band FM/AM/SW table radio. All solld-state clrcultry features instant on operation, Listen to thriliing SW broadcasts as well as brllliant FM and standard AM broadcasts.
$26 \times 4^{\text {" }}$ dynamic twin speakers offer outstanding sound repro$26 \times 4$. dynamic twin speakers offer outstanding sound repro-
duction, AFC control prevents. drift on FM, 4 controls: On/Off volume, Tone, Tuning, and 4-Position Selector (AM, FM, FM-AFC, SW). Function Indicator lights for mode of operation. Attractive plastic walnut grain cablnet with plastic louvered speaker grill. Slze: $211^{\prime \prime} \times 81 / 9^{\prime \prime} \times 73 / 4^{\prime \prime}$. For $110-120 \mathrm{~V} 50 / 60$ cycles. Imported. Shpg. wt., 8 lbs.
17 H7 714 w \$5 monthly

D) Panasonic Model 7487595



New! Solid State AM Table Radio
$9^{95}$

- Large 31/2" Dynamic Speaker
- Altractive Low Profile Styling
- UL Listed

Ideal second radio for your home. Perfect for the kitchen or chil. dren's room. Attractive low profile style. Large $34 / 2^{\prime \prime}$ dy namic speaker Is powered by 7 semi. conductors. Offers instant-on operation. UL listed. For $110 \mathrm{VAC}, 60 \mathrm{cps}$. Dim.: $87 / 8 \times 41 / 4 \times 3^{\prime \prime}$. Shpg. wt., 3 lbs.
17 H 6929
Net 9.95


New! Personal Solid State FM-AM Table Radio $22^{95}$

- With Jewelry or Cigorette Compartment
- Earphone Jock for Privale Listening

Marvel of space-age electronics-exciting, bold new concept in radio styling. Beautiful AM and FM radio listening. Solid state circuitry offers instant-on operation. Sensitive superheterodyne circult for maximum selectivity with high sensitivilty. Large $21 / 2^{\prime \prime}$ speaker for superb sound reproduction, 9 transistors, 4 diodes. Built-In ferrite antenna for AM, cord type antenna for FM. With earphone.for 110 VAC, 60 cps. Imported. Shpg. wt., 3 lbs.
17 H 7830 $\qquad$ Net 22.95 Buy Nowl Pay Later
$\qquad$ wt., 12 lbs . Use Lafayette's Easy Pay Plan. No Money Down
(2) Panasonic 7487 FM/AM Table Radio

- 18 Solid State Devices - Tuned RF Stoge for FM
- Matched $61 / 2^{\prime \prime}$ and $21 / 2^{\prime \prime}$ Dynamic Speakers

Unique walnut wood design. A special panel door opens to permit access to tuning controls. Closed, it's a fine plece of furniture. Features true rich sound with matched $61 / 2^{\circ}$ and $21 / 2^{\prime \prime}$ dynamic speakers. Big 3 W output. Continuous tone control. Automatic Frequency control prevents drift on FM. Tuned RF stage for FM. Built-in FM and AM antennas for fine receptivity. Easy-to-see color band tuning, simply turn a knob and the FM dial lights up. Turn again, to light up for $A M$ tuning. Sl2e: $18 \% \%^{\circ "} W \times 99 \%_{2}{ }^{\prime \prime}+6 \%_{10}{ }^{\prime \prime} D$. UL listed. For 110 VAC 60 cps . Imported. Shpg. wt., 11 lbs. 17 H $3044 \mathrm{WX} \$ 5$ monthly

Net 59.95
(E) Deluxe FM-AM Stereo Table Radio

- 24 Transistors, 5 Diodes - Stereo Indicator Light
- 2 Acoustically Balanced Wide Range Speakers Enjoy breathtaking stereo FM reception as well as standard FM and AM broadcasts with this luxurious 24 transistor stereo table radio. Two acoustically matched $6^{\prime \prime} \times 4^{\prime \prime}$ "wide range speakers provide brillant music reproduction. Includes these deluxe features normally found only in more expensive Hi.Fi receivers: Stereo Indicator Light, separate bass and treble controls, balance control, Mono-stereo slide switch, radio-phono slide switch (inputs' for phono or tape are pro. vided on the rear of the cabinet), and precision slide rule dial. Bulli-In AFC clircuitry prevents drift on FM and FM stereo. High efficiency ferrite antenna for AM, cord antenna for FM. Attractively styled plastic cabinet with louvered grills and silver trim. For $110 \mathrm{VAC}, 60 \mathrm{cps}$. Dim.: $221 / 4^{\prime \prime} \times$ $8^{\prime \prime} \times 6 y_{2}{ }^{\prime \prime}$. Imported. Shpg. wt 12 lbs .

499 Lafayette Cat. No. 680

## Solid State Clock Radios



## DELUXE LAFAYETTE CLOCK RADIOS

In Beautiful Walnut Veneer Cabinets

## A LAFAYETTE FM-AM CLOCK RADIO

One of the finest FM.AM clock radios we have ever offered. Powerful 15 semi-conductor solid state circult has an undistorted output of 1 watt-gives you instant sound without any warm-up time. Con. tinuous tone control plus slide rule dial for precision tuning. AFC lock prevents drifting off stations while listening to FM. Large 4", wide-range dynamic speaker for magnificent rich sound. Full Feature Telechron clock has a lighted dial for telling time in the dark. Sleep Switch lets you fall asleep to music (can set sleep switch up to 60 minutes), and after you are asleep radio can automatically turn itself on at a preset time. If you then wish to catch an extra few winks of sleep, just press the snooze button and the radio will turn off for 10 minutes. Radio is housed in a beautiful walnut veneer cabinet with a brushed gold control panel. Built-in FM and AM antennas. Dim. $65 / 8 \times 141 / 6 \times 47 / \mathrm{m}^{\circ}$. Operates on 117 V AC 60 cps . Imported. Shpg. wt., 6 Ibs.
17 H 0107w \$5 Monthly.
Net 39.95

## B LAFAYETTE AM CLOCK RADIO

Handsomely styled with all the features of the above FM.AM clock radio, but without FM. Dim: $111 / 4 \times 61 / 4 \times 43 / 4{ }^{\prime \prime}$. Operates on 117 V AC 60 cps . Imported. Shpg. wt., 5 lbs .


# MUSICAL INSTRUMENTS \& ACCESSORIES 

KOSS PERFORMER INSTRUMENT PICK-UP

- For Sax-Cornet-Trumpet-Trombone-Clarinet
Easily attaches to instruments... slip the Pick. up over the instrument bell, and plug into any guitar amplifier. Features an adjustable volume control, solid brass polished frame, and 20 ft . easy break-away cord, Shpg. wt., 2 lbs. Model WP-4-1: For Alto Sax, Cornet, \& Trumpet
13 H $4750 \$ 5$ Monthly $\qquad$ Net 34.50
Model WP-4-2: For Tenor Sax
13 H $4751 \$ 5$ Monthly
ombone
Model WP-4-3: For Tro
13 H 4752 \$5 Monthly
y
Model WP-4-4: For C $\qquad$
13 H 4753 \$5 Monthly Net 34.50 N 4 ) $\$ 5$ Monthly Net 34.50


## HOW TO PLAY THE GUITAR

The easy way to learn all the chords and rhythms on your gultar. Has vocal accompaniment; ballad styles; folk, country and western; rhythm and blues; shuffie beats. Features gultar demonstration and text by George Barnes, spoken commentary by Bob Mersey. 24 M 4506 Shpg. wt., 1 lb.

Net 3.50

## BEGINNING THE FOLK GUITAR Famous "Music Minus One" Records! <br> Designed for the new-comer to the world of playing the folk guitar. The course is covered with both book and a LP record. This lets you hear as well as read what you are playing. Shpg. wt., 1 lb. 24 H 4508 <br> Not 6.50

METHOO FOR GUITAR by JOE FAVA A contemporary approach towards comprehensive mastery of the guitar 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 H 8706 Book I (1st position) 40 pages. Net 1.49 13 H $8707800 k$ II (2nd position) 40 pages. Net 1.49 13 H 8708 Book III (High positions) 48 pgs . . Net 1.98
SMITH'S MODERN ELECTRIC BASS BOOK Authoritive 4 string electric bass gultar method book 12 H 6709 Net 1.25

## GUITAR SELF-INSTRUCTOR FOR THE BEGINNER

Book and instruction record for the beginner. Chord sounds and pictures plus "strum" along favorites. Shpg. wt. 6 oz .
12 H 6707 $\qquad$ Net 1.50

## GUITAR STRINGS - LEATHER STRAP

 PITCH PIPE

(A) Guitar Strings. Set of 6, plated copper wire wound.

13 H 2253 $\qquad$ Net 1.39 (A) Nylon Classic Guitar Strings. Set of 6 .

13 H 2254
(A) Electric Gultar Strings. Fiat wound, set of 6.

Net 1.39 Net 1.89
13 H 2252
$\qquad$
(A) Electric Guitar Strings. Black diamond, flat wound hi-fi strings. High quallty. Set of 6 .
13 H 8748 Net 3.75
(B) Adjustable Foam Padded Gultar Neck Strap.

13 H 2250 Net 1.49
(C) Guitar Pitch Pipe

13 H 2251 $\qquad$
Net 1.39
(D) Retractable Gultar Cords With Plugs

99 H 912710 Ft $\qquad$ Net 1.49
99 H 912816 Ft .
99 H 912920 Ft . Net 1.99
99 H 912920 Ft.
(E) Gultar Picks- 6 flat, 2 thumb 13 H 2256 Net 2.49 Net 49

## ALTO SAX OUTFIT

A professional instrument in every sense of the word... with smooth, light key action and rich, full tone. Integral one-plece tone holes, drawn from the body. Has removable key guards, genulne mother-of-pearl-fingertios on keys, and extra-heavy reinforced bottom guard Equipped with popular $\mathrm{Cz}, \mathrm{B}, \mathrm{C}$, with articulated Gi and automatic high F Key, Bb, B, C and $C$ keys located on right side facing forward to prevent contact with clothing. Precisioncrafted with clear lacquered brass finish. Comes complete with accessories in deluxe Gladstone type case with silk plush lining. Imported. Shpg. wt., 20 lbs.
13 H $1711 w x$ \$8 monthly $\qquad$ Net 159.95 8- Fiat Tenor Sax Outfle. Similar to above. 13 H 8752WX $\$ 10$ Monthly ......... Net 199.95

## (A) CLARINET OUTFIT

Complete outflt consists of a quallty clarinet made entirely of selected grenadilia wood. Tuned for the key of 8 b , Boehm system. 17 keys, 6 rings. Mouthplece, cap, ligature, reed, music lyre, swab, grease cup and quality case, of plush-lined fabric covered veneer. Imported. Shpg. wt. 8 lbs. 13 A. s7ifwx $\$ 5$ monthly $\qquad$ Net 87.95

## (B) TRUMPET OUTFIT

An outstanding trumpet that combines beauty of design with rugged serviceability. Beautlful 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 mouthplece, music lyre and plush-ilned case with large accessory compartment. Imported. Shpg. Wt., 14 lbs.
13 म a $709 \mathrm{wx} \$ 5$ monthly $\qquad$ Net 69.95

## SETH THOMAS METRONOMES

## ELECTRONIC METRONOME

Precision instrument. contains 2 compiete electronically callbrated beat systems; audible and visual, 40 to 208 beats per minute. Single knob control, callibrated radial dial plus neon light. Wooden cabinet, operates on $115 \vee \mathrm{AC}$ 60 cycles.
13 H 4453 Walnut. Shpg. wt. 3 lbs. Net 17.95 13 H 4454 Mahogany. Shpg. wt. 3 lbs. Net 17.95

## KEYWOUND METRONOME

The oridinal Seth Thomas metronome, from America's first and only manufacturer of keywound metronomes. A useful ald in music and dancing instruction, or wherever beat timing is important. Adjustable pendulum permits selection of beat tempo from 40 to 208 beats per minute. Selected hardwood case finished in walnut. Height $85 /{ }^{-1}{ }^{*}$, Base $41 / 2$
13 H 4450 $\qquad$ Net 12.75
13 H 4452 Above but mahogany finish Net 12.75

## TRANSISTOR METRONOME

The perfect musical gift. A beautiful transistor metronome styled in the classic metronome shape. Features, high quality transistors in a sealed movement, distinctive, precise metronomic click with adjustable sound selector, easy-to-set tempo selector knob attractive brushed gold colored dial. 40 to 208 clicks per minute. Select hardwood cabinet has non-
 nut Finish. With two 9 volt batteries. Shpg. wt., 3 lbs.
13 H 4451 $\qquad$ Net 18.95 13 H 4455 Mahogany Net 18.95 99 H 6021 Replacement batteries for above, 2 required Each

 adjustable neck Is steel reinforced for extra strength
and features a and features a 21 fret finger board Inlaid with white
position markers. Also has sturdy tremoio tallolece, position markers. Also has sturdy tremolo tallplece,
laminated arched top and back, volume and tone controls plus 3 -position selector switch for choice of pickup. Individual precision machine heads. Mand-rubbed shaded
 Sturdy Case For Above Gul Sturdy case
13 H 6601 WX

Net 8.95

## (E) Deluxe 2-Pick-Up "Slimline"

 Hollow Body Electric Guitar- Hard Maple-Steel Reinforced Adjustoble Neck
- Individual Volume ond Tone Controls
- Custom Designed Tremolo Toilpiece

Custom craflecu, purlessional quollty instrumenti fortures a 21 fret, oval rosewood fingerboard with mother-of-peari inlald position blocks, plus side position mark-
ers and triple bound edges. fas two ultra-sensitive, hermetically sealed, solid coll pickups with adjustable helght control and individual volume and tone controls. 3-position lover switch selects bridge pickup for'solo. and forward plekup for rhythm work; or, permits use of both plckups simultaneously, Large handsome cellulold bound boay is shaped and contoured for optimum sound response. Beautifully fiamed high-gloss polyestic finish. $16 \mathrm{~W} \times 44 \mathrm{H} \times 2^{\text {" }} \mathrm{D}$. Imported. Shpg. wt., 16 lbs. sturdy Case With Plush LIning For Above. Net 79.95 13 H 6603 WX Shpg. Wt., 4 lbs $\qquad$ Net 10.95 (F) Deluxe 12-String 2-Pickup "Slimline" Hollow Body Electric Guitar

- Fully Adiustable Compensoting Bridge
- Steel Reinforced Adjustable Neck
- 4. Controls plus Switch For Excliting

Musicol Sounds and Effects
Ulitra sleek, double cutaway, thin-line instrument for Uitra sleek, double cutaway, thin.line instrument for
the professlonal gultarlst two adjustable, supersensi-
tive, hermetically seated plckups. Separate volume and tone controls for Individual plekups; 3-position seiector switch for Solo/Rhythm and Super Bass sounds. Tie body is of selected flame grained woods and contoursd both front and back for perfect body comfort. Slim fastaction neck is steel reinforced and features a 21 fret position blocks plus side position markers and iriol bound edges. Also has Unlversally adiustable bridge custom designed taliplece. Beautifully fiamed high-iosis polyestic finlsh. Imported. Shpg. Wt., 18 lbs.
13 H 6604wX \$5 Monthly_ Net 09.28 Sturdy case With Plus Lining For Above.
13 H 6805 WX Shpg wt, 4 bbs 13 H 6805 WX Shpg. wt., 4 lbs Net 12.50



# Instrument Amplifiers 

(A) 80 Watt "Piggy Back" Bass Amplifier

- Powerful 15" Special Design Jensen Speaker with 27 az. Magnef
- Projects "Big Bass Sound"
- Excellent For Use With Regular Guilar, Accordion and Combo-Orgon
- "Easy Reoch" Extruded Brushed Aluminum Contral Ponel 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 sllde switches for "deep." or "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 rectifier circuit. Heavy duty transformers provide greater output. Two units; $3 / 4^{\prime \prime}$ wood amplifier/speaker cabinet, and "piggy back" amplifler which sits neatly on top of speaker cabinet. Cabinets have attractive gray and sliver accoustical cloth. Ribbed vinyl carrying handle. Speaker cabinet size: $231 / 2 \mathrm{H} \times 22 \mathrm{~L} \times 111 / 2^{\prime \prime} \mathrm{O}$. Amplifler: $71 / 4 \mathrm{H} \times 181 / 2 \mathrm{~L} \times$ $101 / 2 " \mathrm{D}$. For 117 V AC $50 / 60$ cycle. Shipg. wt., 58 lbs.
13 H 0148WX $\$ 7.50$ Monthly
Net 136.95
13 H 0149W Dolly for above amplifier
Net 11.95


## (B) 65 Watt "Reverb"-"Tremolo" Twin-Speaker 2 Channel Amplifier

- Hammond "Reverb" Unit For Echo-Like Effect
- Pulsating "Tremolo" for "Go-Go" Effect
- 2.12" Heavy Duly Special Design Jensen Speakers
- Extruded Aluminum "Slanted" Frant Panel

Remarkzble reproduction, finest craftsmanship, make up this 65 watt peak amplifier. Produces "Tremolo"' and "Revert" effects separately or simultaneously. Has two superb $12^{\text {" }}$ Jensen musical instrument speakers. 7 tubes, 5 dual tubes provide 12 tube design. Tremolo has "speed" and "intensity" controls. Revert has "intensity" control. 4-inputs for "normal" or "bright", handies up to 4 instruments. Separate volume and tone controls for channel 1 and 2. Input jacks for remote control of "reverb" and "tremolo". 3-position switch for power on/off/standby. Output and power transformer for heavyduty operation. Sturdy wood cabinet, covered in black textured scuff-resistant vinyl. size: $313 / 4 \mathrm{H} \times 23 \mathrm{~L} \times 10^{\prime \prime} \mathrm{D}$.
13H $0144 \mathrm{Wx} \$ 8$ Monthly -.... Shpg. wt., 63 lbs.
Net 149.95
Dual Foot Switch for remote control of tremolo and revert.
13 H 0150 Shpg. wit., 1 lb
Net 4.95
13 H 0149W Dolly for above amplifier
Net 11.95

## C) 40 Watt Tremolo Twin Speaker 2 Channel Amplifier

- Tremala Far Pulsating Saund
- 2.12" Heavy-Duly Special Design Jensen Speakers
- Two Channel, 4 Instrument Inputs
- Extruded Aluminum "Slanted" Front Ponel

Get faithful reproduction of every note. Has special heavy-duty Jensen speakers. AC chassis utilizes 6 tubes, 3 dual purpose tubes provide 9 tube design. 4 instrument inputs provide outstanding versatility. Two channel 40 watt peak amplifier. Has 2 volume and 2 tone controls. Features a remote control foot switch jack for colorful tremolo operation, plus 2 tremolo controls-speed and intensity; on/off/ standby switch; pilot light and carrying handle. Sturdy wood case covered in shimmering black vinyl. Size: $313 / 4 \mathrm{H} \times 23 \mathrm{~L} \times 10^{\circ} \mathrm{D}$. For 117 volt AC operation.
13 H $0145 \mathrm{wX} \$ 5$ Monthly. Shpg. wt., 50 lbs
Net 99.95
Foot Switch for remote control of tremolo. Shpg. wt., $11 / 2 \mathrm{lbs}$. 13 H 0151

Net 2.99 13 H 0149W Dolly for above amplifier

Net 11.95

## (D) 30 Watt Tremolo Twin-Speaker Amplifier

- 2-10* Jensen Music Series Speakers
- Extruded Aluminum "Slanted" front Panel
- 3 Inputs
- Foot Switch Jack For Remote Conirol Of Tremala

Features two built-in heavy duty Jensen 10" speakers for clean reproduction of every musical note. Three instrument inputs. Four controls: two for volume and tone. two for speed and intensity of tremolo. Foct switch jack for remote control of Tremolo. 30 watt peak AC amplifier chassis utilizes 4 dual tubes equivalent to an 8 tube circuit, plus solid-state rectifiers for reliable operation. Sturdy wood cablinet covered in luxurious black vinyl. Size: 28 Hx $171 / 2 \mathrm{~L} \times 91 / 4=0$. For 117 volts AC 60 cycles. Shpg. wt., 33 lbs. 13 H 0146WX $\$ 5$ Monthly
Foot switch for remote control of tremolo. Snpg. wt., $11 / 2 \mathrm{lbs}$. 13 H 0151
Buy Now! Pay Later .
Use Lafayette's Easy Pay Plan. No Money Down
Add-an" Reverb Amplifier ar P.A. System
$21^{95}$
Simulates the full sound top artists get! Compact, lightwelght, transistorized reverberation unit creates a new dimension in audlbllity to overcome dulf, flat ordinary sound. Can be used with any instrument amplifier, or P.A. system. Minutes to connect, the "Echo-Verb" 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 contral in the "Off" position, standard sound will be heard from the amplifier with on/off switch. For $117 v ., 50 / 60$ cycles $A C$. Size: $31 / 4 \mathrm{H} \times 111 / 2 \mathrm{~W} \times 61 / 2$ "D. Shpg. wt., 5 lbs . 99 H 9202 Wx Shpg. wt., 5 lbs.
Foot Switch for Remote Control of "Echo-Verb" 13 H 0151 Shpg. wt., $11 / 2 \mathrm{lbs}$.

Net 21.95
Add more instruments to your small combo with the "Fuzz" Sound! Crecte a wide variety of synthesized tones such as those produced by a baritone, or bass saxophone. Battery powered, it easily connects between your guitar, or bass and the ampliffer and is operated by in $0 n / 0 f f$ foot switch. Has two varlable control knobs; one for regulating the "fuzz" effect and one for volume and intensity A supplementary On/Off switch is combined with the volume control to conserve battery life. Fully transistorized, the unit is bullt for heavy duty use and operates on a single penlight battery. A rugged metal case protects inside circuitry. Overall size: $51 / 2 L \times 31 / 2 \mathrm{~W} \times 2^{1 / 8}{ }^{\text {" }}$ over. H. rmported. Shpg. wt., $13 / 4 \mathrm{lbs}$.
99 H 9199
Net 14.95
99 H 6258 Battery for above

## Lafayette Solid State <br> "Echo-Verb"

Reverberation

Net 2.99


## (A) 10-Watt Tremolo/"Reverb" Amplifier

- Tremolo Speed Sirength Controls - "Reverb" Control
- Top Mounted Controls for "Eosy-Reoch"

A deluxe "Reverb" amp that no guitarist, professional or novice, should be without. Smart, sturdy vinyl covered wood cabinet, with carry hande and attractive grille cloth. Top mounted controls: Off/On/Volume control with indicator lamp, tone controls, reverb control; tremolo with intensity and speed controls. Inputs for 2 instruments plus specially designed 8 " speaker for that "swingin's sound. Powerful 10 watt amplifler has $A C$ isolation through a heavy-duty power transformer. Size: $181 / 2 \mathrm{~W} \times 151 / 2 \mathrm{H} \times \mathbf{6}^{\prime \prime} \mathrm{D}$. Imported. Shpg. Wt., 14 lbs . 99 H 9141wX $\$ 5$ Monthly
(B) Portable 8-Watt Solid State Tremolo Amplifier

- Self-Contoined Battery Pock/Or Moy Be Operoted On Household AC

Lightweight transistorized gultar amplifier for use anywhere. Heavy-duty cabinet with handle, covered in black vinyl. Front panel controls: Pilot light, On/Off switch, 2 inputs for 2 guitars, 4 controls: Tremolo has "depth" and "speed"; Tone and Volume. Built in speaker designed for that "big" sound. Back panel has input for foot operated tremolo switch, plus switch for battery or AC operation. Takes 8 batteries. Size: $14 \mathrm{H} \times 11 / 4 \mathrm{~W} \times 6$ "D. Imported. Shpg. wt., 12 lbs. 99 H $9142 \mathrm{~W} \times \$$ Manthly BATTERIES for above. 8 Required.
99 H 6256
FOOT-OPERATED REMOTE CONTROL for tremolo

## (C) 5-Wati Heavy-Duty Basic Amplifier

- Top Mounted Controls for "Eosy Reoch" - Seporote Volume \& Tone Controls - Two Instrument Inputs

A dynamically designed 5 -watt stralght AC musical instrument amplifier. Top mounted controls and panel for "easy reach"" operation. Separate volume and tone controls. High-quality speaker is specially designed for full brilliance of tone and long trouble-free life. AC Isolation achieved through a rugged power transformer. Sturdy wood cabinet covered in beautiful black leatherette. Inputs for two instruments. Plot light with on-off switch. Uses no-slip rubber feet and useful carrying handle. Size: $11 \mathrm{H} \times 13 \mathrm{~W} \times 61 / 4^{\prime} \mathrm{D}$. For 117 volts $50 / 60$ cycles AC. Imported Shpg. wt., 11 lbs.
99 H 9101W

Net 49.95

Net 39.95
Net ea. 15
Net 2.99


## (D) DUAL IMPEDANCE DYNAMIC MIKE

- Omni-Directionol-With Plug

A superb dynamic microphone designed for high quality applications. Dual Impedancehigh 50 K ohms, or low 250 ohms. Omnidirectlonal, $100 \cdot 10,000$ cps. Features popproof wire mesh grille. Modern attractive chrome plated frame. Equipped with on-off switch. Mike tiltable thru $90^{\circ}$ arc. For all standard 5/8". 27 floor stands. Size: $73 / 4 \mathrm{~L} \times$ $11 / 2^{\prime \prime}$ Dia. with 20 It . detachable cable and phone plug. Imported. Shpg. wt. 2 lbs. 99 H 4619

Net 12.95

## (E) Deluxe Ball Dynamic Mike - For Hond ond Stond Use

> "Budget-Priced" Solid State Amplifier

Modern design features dual impedanceHigh 50K ohms, or low 250 ohms. Omni-direc. tional, $100 \cdot 10,000$ CDS. Has on-off switch. Ball screen insures against "pop" and wind blast. Die-cast, finished in satin aluminum. Size: $61 / 4$ " long, max. diam. of ball $24 / \mathbf{a}^{\prime \prime}$. Complete with detachable 20 ft . cable and phone plug. Black metal desk stand and adapter for any 5/8"-27 floor stand, Imported. Shpg. wt., 2 Ibs.
99 H 4620

## Atlas Mike Floor Stand

Model MS-10C. Features "Full-Grip" clutch mechanism for fast quiet adjustments. Includes self-leveling, plus "anti-tip" points. Chrome plated tube. Terminates in a $5 / 8^{\prime \prime} .27$ thread. $10^{\prime \prime}$ base, finished in gray shrivel. Assures max. stability. Height adi.. 35-63" 44 H 1003 Shpg. wt., 10 lbs. ..... Net 6.76

## WHEN YOU BUY A COMPLETE OUTFIT =imins $26^{21}$

## FROM INDIVIDUAL CATALOG PRICES

Each electric guitar outfit consists of a guitar, amplifier, case plus -neck strap, pick-up cord, extra set of 5 flat-wound steel strings, 8 assorted picks, 16 page instruction book with chords, illustrated fingering positions, and "strum-along" favorite songs, plus instruction record. Each outfit includes Tremolo foot switch except those marked with *.
solio-body electric guitar outfits
See Page 502 for Gultars-Pages 504 to 506 for Amplifiers

| Outfit Mo. | Cultar | Pick-up | Amplifier | Watts | Shps. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $13 \mathrm{H} 9035 \mathrm{~W} \times$ (4* | 99 H 9137WX | 2 | 99 H 9101 W | 5 | 25 | 65.50 |
| 13 H 9036 WXM | 99 H 9137WX | 2 | 99 H 9142WX | 8 | 26 | 76.55 |
| $13 \mathrm{H} 9037 \mathrm{WXM}{ }^{\text {* }}$ | 99 H 9137WX | 2 | 99 H 9141WX | 10 | 27 | 83.50 |
| 13 H 9038 WXM | 99 H 9137WX | 2 | 13 H 0147WX | 15 | 37 | 93.50 |
| 13 H 9039 WXM | 99 H 9137WX | 2 | 13 H 0146wx | 30 | 47 | 113.50 |
| $13 \mathrm{H} 9040 \mathrm{WXM}{ }^{\text {* }}$ | 99 H 9139WX | 3 | 99 H 9101W | 5 | 26 | 74.50 |
| 13 H 9041 WXM | 99 H 9139WX | 3 | 99 H 9142WX | 8 | 27 | 85.95 |
| $13 \mathrm{H} 9042 \mathrm{WXM}{ }^{\text {* }}$ | 99 H 9139WX | 3 | 99 H 914iwX | 10 | 28 | 92.50 |
| 13 H 5043 WXM | 99 H 9139WX | 3 | 13 H 0147wX | 15 | 38 | 102.50 |
| 13 H 9044 WXM | 99 H 9139WX | 3 | 13 H0146WX | 30 | 48 | 121.95 |
| 13 H 9045 WXM | 99 H 9139 WX | 3 | 13 H0145WX | 40 | 65 | 139.95 |
| 13 H 9046 WXM | 99 H 9140 WX | 4 | 99 H 9142WX | 8 | 28 | 94.95 |
| $13 \mathrm{H} 9047 \mathrm{WXM}{ }^{\text {* }}$ | 99 H 9140WX | 4 | 99 H 9141WX | 10 | 29 | 101.50 |
| 13 H 9040 WXM | 99 H 9140WX | 4 | 13 H 0147 WX | 15 | 39 | 111.50 |
| 13 H 9049 WXM | 99 H 9140 WX | 4 | 13 H 0146WX | 30 | 49 | 130.95 |
| 13 H 9050 WXM | 99 H 9140 WX | 4 | 13 H 0145WX | 40 | 66 | 148.95 |
| $13 \mathrm{H} \mathrm{9051wxM}$ | 99 H 9140WX | 4 | 13 H 0144wx | 65 | 79 | 195.95 |

OELUXE HOLLOW-BOOY ELECTRIC GUITAR DUTFITS
See Page 503 for Guitars-Pages 504 to 506 for Amplifiers

| Outlit No. | Guitar | Pick-up | Amplifier | Watts | shpg. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $13 \mathrm{H} 9052 \mathrm{WXM*}$ | 99 H 9921wx | 2 | 99 स 9141wx | 10 | 42 | 102.95 |
| 13 H 9053 WXM | 99 H 9921wx | 2 | 13 H 0147wx | 15 | 51 | 112.95 |
| 13 H 9054 WXM | 99 H 9921wX | 2 | 13 H 0146WX | 30 | 61 | 132.50 |
| 13 H 9055 WXM | 99 H 9921wx | 2 | 13 H 0145WX | 40 | 78 | 149.95 |
| 13 H 9056 WXM | 99 H 9921wx | 2 | 13 H 0144WX | 65 | 90 | 197.50 |
| 13 H 9057WXM | 13 H 6602WX | 2 | 13 H 0146WX | 30 | 63 | 161.50 |
| 13 H 9058 WXM | 13 H 6602WX | 2 | $13 \mathrm{HDO145WX}$ | 40 | 80 | 179.50 |
| 13 H 9059 WXM | 13 H 6602WX | 2 | 13 H 0144WX | 65 | 92 | 225.95 |
| 13 H 9060 WXM | 13 H 6604WX | 2 | 13 H 0146 WX | 30 | 65 | 171.95 |
| 13 H 9061 WXM | 13 H 6504WX | 2 | 13 H 0145 WX | 40 | 82 | 189.95 |
| 13 H 5052 WXM | 13 H6604WX | 2 | 13 H 0144 Wx | 65 | 94 | 236.50 |

## "VALUE" CUTAWAY SOLID-BODY ELECTRIC GUITAR OUTFITS

2995
Less Amplifier


Complete with 5 Wott Amplifier

## Save 5.00 On Outfits With Amplifier.

- Ideal For The Beginner-Everything You Need Including A

Beginner's Recard 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 cellulold with white trim, and string holder bar neck plate. High gloss finish. Size: $371 / 2$ $\mathrm{L} \times 111 / 4 W^{\prime} \times 11 / 4^{*} \mathrm{D}$. Complete outfit includes: gultar, heavy lined zippered bag with button-down pouch, extra set of strings, neck strap, connecting cord, self-instruction book and record. Shpg. wt., 8 tbs.
13 H 8753WX less Amplifier
Net 29.95
ELECTRIC GUITAR OUTFIT PLUS AMPLIFIER
Includes electric gultar outfit above plus 5 watt solid state amplifier 13 H 0153 W on page 506 . Shog. wt., 16 lbs.
13 H $9034 \mathrm{WXM} \$ 5$ monthly
Net 44.95



## Lafayette Solid Body Electric Bass

Beautifully designed, solid body, electric bass gultar. Produces exacting tonal qualities needed for precise bass work. Finely crafted, solid mahogany body is contoured and dellcately beveled around the outer edges. "Slim-Line" removable/adjustable neck is made of steel reinforced maplewood, and features a fast action 20 fret finger board with 6 dual position white inlay markers. Also has individual volume and tone controls; fully adjustable bridge; handsome plick guard; and 4 -chrome plated machine heads for precise tuning. Comes complete with cord. Size: $47 \mathrm{H} \times 151 / 2 \mathrm{~W} \times 11 / 4 \mathrm{D}$. Im ported. Shpg. wt., 15 los.
99 H $9920 \mathrm{wX} \$ 5$ Monthly $\qquad$ Net 44.95
Sturdy case for above. Shpg. wt., 4 lbs . 13 H 6606Wx

Net 10.95
ELECTRIC BASS OUTFIT: Includes 99-9920WX bass, $13-0148 \mathrm{WX} 80$ watt bass amplifier, 13-6606WX case, neck strap, cord plus "Modern Electric Bass Guitar Method" book. Shpg. wt., 77 lbs.
13 H. 9030 wx $\$ 9$ Monthly $\qquad$ Net 175.95

Lafayette 2-Pick-Up Solid Body Electric Bass

Large, delaxe slimline electric guitar constructed of select mahogany woods, with hand-rubbed shaded finish and a highly polished inlaid steel plate to protect working surfaces. Features 4-chrome plated machines; celluloid bound rosewood fingerboard with 20 frets and 6 distinctive, white inlay position markers; 2-powerful magnetic pickups with individual Standby/On controls; adjustable bridge; plus tone and separate volume controls. A smooth styling bevel and thumb rest complements the shaped and contoured body for maximum playing com. fort. With neck strap and cord. Size: $46 \mathrm{~L} x$ $151 / 2 \mathrm{~W} \times 13 \mathrm{~d}{ }^{\prime \mathrm{D}} \mathrm{D}$. Imported. Shpg. wt., 15 lbs . $99 \mathrm{H} 9123 \mathrm{WX} \$ 5$ Monthly. Net 64.95
Sturdy case for above. Shpg. wt., 4 lbs. 13 H 6607WX

Net 10.95
2-PICK-UP ELECTRIC BASS OUTFIT: Includes 99.9123WX Electric Bass, 13.0148 WX 80 watt 8ass Amplifier, 13-6607 WX case, neck strap, cord, plus "Modern Electric Bass Guitar Method" book. Shpg. wt., 78 lbs.
13 H go31wXM $\$ 10$ Monthly

Deluxe 2-Pick-Up Hollow Body Electric Bass

Produces deep bass tones with brilliant cadence! Features adjustatle mute control; 2 .perfectly balanced adjustable solid coli pick-ups; individual tone and volume controls for each pick-up; 3 -position toggle switch for solo/rhythm worl; fully adjustable compensating bridge; individual cast-chrome covered precision machines; and custom designed tailpiece. A 20 fret fingerboard made of oval rosewood features 7 -mother-of-pearl inlaid position blocks, side position markers and triple bound edges. The beautiful flame-grained hardwood body is celluloid bound and protected by a pick guard. Size: $46^{\prime \prime} \mathrm{H} \times 16^{\prime \prime} \mathrm{W} \times 2^{* *} \mathrm{D}$. Shpg, wt., 18 lbs. 13 H 6608Wx $\$ 5$ Monthly .-. Net 89.95 Sturdy case with "plush lining" for above. 13 H f609WX Shpg. wt., $4 \mathrm{lbs} \quad$ Net 12.50 2-PICK-UP HOLLOW BOOY ELECTRIC BASS OUTFIT: Includes 13.6608 Wx electric bass 13.0148WX 80 watt bass amplifier, $13-6609$ WX plush case, neck strap, cord, plus "Modern Electric Bass Gultar Method" book. Shpg. wt., 79 liss.
13 H 9032wxm \$11 Monthly ___ Net 217.95

(A) 7 Piece "Beginners Oulfir"

Nicely finished with open headpiece and piniess bridge. Can be used elther as nylon string classic or steel string Folk gultar. Steel reinforced neck. Guitar has hardwood body with Blonde top. Highly polished tinish 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 H 6612WX
Net 19.95
Guitar only. Similar to above. With strings. Shpg. wt., 7 lbs.
13 H 8724 WX

## (回 Concert Size Classic Guitar

Magnificent sounding classic guitar! It's graceful, allegro tonal quallity 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 headpiece, and a steel reinforced neck. Custom crafted mahogany sides and back, with a beautiful white spruce top. Shpg. wt. 10 lbs.
13 Hi 6613wx $\qquad$ Net 18.95
Sturdy case for above. Shpg. wt., 4 lbs. 13 H 6614WX

## Baritone Ukulele

Features beautiful finished sides, back, and neck-it's a real eye catcher! Top edge is finely bound with cellulold. Inlaid pearl position markers ald finger location. Strings are capefully 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 satisfy any player. Imported. Shpg. wt., 4 lbs. 13 H 8730Wx Net 12.95

## 5-String Banjo

## - Complefe with Carrying Case

Enjoy the superb sound of a top-quality, 5 -string banjo. Features heavy aluminum rim with 20 adjustable brackets. Hardwood neck reinforced with steel. White celluloid bound rosewood finger board. Has individual tuning pegs. Nickel plated tailplece and armrest assure a long serviceable life. Included at no extra cost is a heavy duty nylon fabric bag with zipper closure. 10 lbs. 13 H 8743 WX \$5 monthly

Net 39.95

## (C) Grand Concert Classic Guitar

 Beautifully detalled concert classic guitar! Features a steel relnforced rosewood neck with 19 fret fingerboard, and a fan-braced finest quality spruce top. Both front and back of the large handsome body are indl. vidually 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 maple grained sides and back. Shpg. wt., 10 tbs. 13 H 6615 WXNet 24.95
Sturdy case for above, wt., 4 lbs 13 H 6614WX Net 7.95



## Drums-Bongos

## 6-PC. "COMBO" DRUM OUTFIT

- 6-Ply Construction Thru-Out
- Double Lug-Separate Tension Rods
- With $14^{\prime \prime}$ Cymbal-Cow Bell-Toneblock-Sticks-Brushes
- Double Spring "Fast-Action" Bass Drum Pedal

A quallty 6 piece drum outfit 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 $51 / 2^{\prime \prime} \times 14^{\prime \prime}$ separate tension snare drum. Bass drum features a fully adjustable "fast" action pedal and chrome plated cow bell. All drums have plastic heads, feafure triple flanged rims and chrome plated hard ware. Other items Include a $14^{\prime \prime}$ 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 raif mount consolette for "ride" of Tom Tom. Bright sparkle finish. Shpg. wt. 50 lbs 13 H 2450wx $\$ 5$ Monthly

Net 99.95

## 8-PC. PROFESSIONAL DRUM OUTFIT

- Solid 6.Ply Construction Thru-Out
- Double Lug-Double Tension
- 4 Drums-Ineluding Floor Tom Tom, 14" Cymbals, Brushes, Sticks, High Hot Stand, Fast Action Pedals
- All Plastic Heads-Sparkle Finish A Deluxe, professional quality drum outfit, complete with ail the most wanted accessories, that meets the demand for sound and quality in every way. Each drum has completely adjustable tension rods for quick and easy tuning. Set consists of $14^{*} \times 20^{\prime \prime}$ Bass Drum with 8 -separate tension beavertall lugs, spurs, cymbal holder, consolette tom-tom mount, and internal muffler. A $51 / 2^{\prime \prime} \times 14^{\prime \prime}$ 'Snare Drum8 tension, speedy throw-off, and internal muffler. $16^{\prime \prime} \times 16^{\prime \prime}$ Floor Tom Tom -6 tension with internal muffler. $8^{\prime \prime} x$ 12" 6 tension Tom Tom with muffler. Drums have coated plastic heads, celluloid covered for bright sparkle finish, and deluxe flat-base snare and Hi-Hat stands. Complete with $3 \mathbf{1 4 "}^{\prime \prime}$ cymbals, 2 deluxe fast action foot pedals, and a complete set of brushes and sticks. Shpg, wt., 77 lbs.
$13 \mathrm{H} 6616 \mathrm{WX} \$ 9$ Monthly - Net 179.95



PROFESSIONAL SNARE DRUM KIT NEW LOW price oniy

- Complete With Stand, $10^{\prime \prime}$ Cymbal, Brushes, Sticks
An exciting $14 \times 51 / 2^{\prime \prime} 6$ tension, 6 ply snare drum with metal snares, tone modulator, speedy throw-off, flanged hoops, rolled chrome plated rims, plastic head, and nickel plated hardware. Attractive celluoid sparkle finlsh. Complete with deluxe flat base chrome stand, $10^{\circ}$ cymbal, sticks, brushes, and instruction book. Imported. 13 H 8705 W \$5 Monthly Net 32.95



## PROFESSIONAL TUNABLE BONGOS

- Fast, Unobstructed Hand-Playing


## NEW LOW PRICE ONLY

## $13^{50}$

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-|ugs on each bongo. Head sizes: 73/4" and $61 / 2^{\prime \prime}$. Overall 7 " deep. Complete with Tuning Key. Imported. Shpg, wt., 5 lbs. 13 H 8704 W Net 13.50

## 1. LAFAYETTE "STAR-FIRE ${ }^{\oplus} \mathrm{VI}^{\prime} 6$ Band 18 Transistor AM/FM/SW/VHF PUSHBUTTON PORTABLE RADIO

## 6 Thrilling Bands

AM- $\quad 535.1605 \mathrm{KC}$
FM. $\quad 88.108 \mathrm{MC}$
SW. $1.6 \cdot 4.5 \mathrm{MC}$ (Marine)
SW-2 $4-10 \mathrm{MC}$ International
SW. $3 \quad 10.23 \mathrm{MC}$ International
VHF 147.17 gMC (Police)

## $79^{95}$

NO MONEY DOWN With Earphone, Batteries

- Operates on 4 "D" Type Botteries or 117 VAC with Optional AC Adopler
- Equipped with Navigation Dial and World-Wide Short wave Time Zone Chart
- Listen to the Exciting Police Calls on the 147.176 MC Band
- Two 4" Wide Range Hi Fi Speakers for Magnificent Sound Reproduction

The world is at your fingertips with the powerful Star-Fire VI. 18 Transistor and 7 dlode solid state circuitry provides extremely high sensitivity. Two 4" 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 in. cluded. Monitor police radio calls on the 147-176 MC VHF bandother 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. Supplied with earphone and 4 "D"batteries. Size: $12 \mathrm{~W} \times 9^{1 / 2} \mathrm{H} \times 41 / 2 \mathrm{D}$. Imported. Shpg. wt., 18 lbs. 99 H 3526WX $\$ 5$ monthly..Net 79.95

Extra "D" Batteries. 4 required. 99 H 6256 ........................ ea. . 15 AC Adapter for Star-Fire VI. 1/2 oz. 17 H 3801 ......................... Net 5.95

Telescoping Antenno for
FM SW olescoping Antenna for


Tuning/Battery Strength Meter
$\qquad$






 ?


Star-Fire VI Speekk All the Languages of the Woridl



Built-in Compass Point Indicator to Help Locate Your Position at Sea as a Radio Finder Indicator

# New From Lafayette-Greatest Value Ever Offered in Solid State Mobile 2-Way Radios! 

With Crystals For Channels 9,13 , and 19<br>\section*{" 9995}

No Money Down-Easy Pay Terms

With Package of 10 Easy Plug-in Crystals for Full 23 Channel Coverage

> Only for Full e

No Money Down-Easy Pay Terms

## 23 Crystal Controlled CB Channels

## With Revolutionary New



Electronic Miracle of the Space Age!


Full 23-Channel Crystal-Controlled Transmit and Receive With Easy Plug-In Crystals
$\star$ 15-Transistors, 7-Diodes, Plus I.C.
$\star$ Full 5.Watt FCC Maximum Input Power

- Variable Squelch Plus Automatic Noise Limiting
- Accepts Priva-Com ${ }^{\text {© }}$ Privale Tone Caller
- Large $5 \times 3$ Inch Speaker For Superior Audio

Solid-state ultra compact miniature synthesis CB transceiver incorporates 15 transistors and one Integrated Circuit stage to achieve 20 transistor performance with superior sensitivlty, greatly increased dependability, and lower current drain. Synthesls type frequency control section utilizes a maximum of sixteen crystals for full 23 channel operation. Carefully tuned 455 Kc mechanical filter assures razor sharp selectivity with excellent adjacent channel rejection. Dual conversion receiver features $0.7 \mu v$. sensitivity, ANL, variable squelch, and push-pull audio amplifier. Transmitter provides full 5 watt legal limit input. Illuminated front panel meter monitors " 5 "

## * 455 KC Mechanical Filter In IF Stage

$\star$ Dual Conversion Superheterodyne Receiver

- 12 Volts DC Negative or Positive Ground
- 117 Volts AC With Optional AC Power Supply
- Portable Operation With Optional Pack
units on receive and PRF output during transmit. PA Speaker/ Earphone jack for silent listening or public address operation. Wired to accept Privacom plug-in private tone caller. For 12 VDC negative or positive ground as supplied, 117 VAC and portable operation achieved with accessories listed below. Complete with dynamic push-to-talk microphone, power cable, mounting bracket, crystals for channels 9, 13, and 19, and FCC application Form 505. Size: $51 / 10 \mathrm{~W} \times 7 / 8 \mathrm{D} \times 21 / \mathrm{g}^{\prime \prime} \mathrm{H}$. Shpg. wt., 7 lbs.

99 H 3149WX $\$ 5$ Monthly
Net 99.95

## ACCESSORIES

Package of 10 additional plug-in crystals. Converts HB-23 from 3 channels to full 23 channel crystal controlled operation. 99 H 3174 Shpg. wt., 1 lb.

Net 25.00
99 H 3180 WXM HB-23 Plus Crystal Pack above $\quad$ Net 124.95 Model HB-502 Solid State 117 VAC Power Supply. Enables Operation of HB-23 as a table top Base Station.
99 H 3086W
Net 16.95

Net 11.95 99 H 4608
on Dynamic Desk Microphon Model HB-507 Portable Battery Pack. Adapts HR-23 for convenlent Portable Operation with Shoulder Strap. Less "C" Batteries.
99 H 3155 Shpg, wt., 2 lbs.
Net 19.95
99 H 6293 "C" Alkaline Battery For HB-507 ( 8 req.) Net ea. .35 32 H 4888 "C" Nickel Cadmium Battery (10 req.) ....... Net ea, 4.06


[^0]:    - Automatic FM Stereo Switching
    - Center Channel Oulput
    - High/Low Phono Sensitivity Switch
    - Built-in FM Antenno plus Loopstick AM Antenna
    - External FM Antenna Terminals
    - Each Channel Separately Fused plus Main Power Fuse

[^1]:[^3]:    
    

[^4]:    Frequency Response: $\pm 3 \mathrm{db}, 40-18,000 \mathrm{~Hz}$ at $71 / 2 \mathrm{lps} ;+3 \mathrm{db}, 40-12,000 \mathrm{~Hz}$ at $33 / 4 \mathrm{ips}$ Wow and Flutter: less than $0.15 \%$ rms at $71 / 2 \mathrm{ips}$; less than $0.25 \% \mathrm{rms}$ at $33 / 4 \mathrm{ips}$. Signal-to-Noise: 50 db or better. Bias \& Erase Frequency: 96 kHz . Crosstalk: over 60 db . Inputs: (Each Channel) microphone, 0.9 mv , 10 k ohms; auxlliary, $300 \mathrm{mv}, 500 \mathrm{k}$ ohms. Outputs:
     base, $12^{2} /{ }^{2} \mathrm{~W} \times 10^{5} / 8 \mathrm{H} \times 6^{\circ} \mathrm{D}$ 。

[^5]:    - For bias Adjustments And Azimuth Alignment

[^6]:    A Lafayette cuality product that is guaranteed against defects in material and workmanship for 5 years. If this unit fails to pperate due to such defects, simply return it prepaid with your original sales slip or order. Lafayette will repair It whout charge including returning transporta.

[^7]:    See Page 130 For Lafayette's Patented "Eliptoflex" Enclosure Kit, and Page 89 For Lafayette's New 12" Bookshelf Speaker Enclosure. Both Speaker Enclosures Are Designed To Provide Optimum Performance From The Lafayette SK-58A and SK-180 Deluxe Hi-Fi Speakers.

[^8]:    - The open end type (Fig. 54) replaces both Fig. 53 \& 54.

[^9]:    ## ASSURANCE OF COMPONENT QUALITY <br> ONE YEAR PARTS GUARANTEE

    All Components in this unit are conservatively engineered to operate well within their performance capabillties. As assurance of this quality, Lafayette will replace any parts, including tubes, which fail to perform properly due to defects of material or workmanship.

[^10]:    All Master to Master Installation permits any station to call and talk prlvately to any other station. A system using 10 masters can have up to 5 private simultaneous conversations take place. Conferences of up to 10 stations may also be set up for extreme flexibllity. Each Master unit is powered by six "C" batteries, or entire 10 -station system may be oper. ated by a single, optional AC power supply.

[^11]:    Depend ou Lafayette for Complete Stocks, Lowest Prices, Fastest Service

[^12]:    FOR TECHNICAL INFORMATION AND CURRENT QUANTITY QUOTATIONS CONSULT LAFAYETTE INDUSTRIAL DIVISIONS

[^13]:    CONTACT LAFAYETTE FOR PRICES ON QUANTITIES GREATER THAN THOSE INOICATEO

[^14]:    Copper Celenamel insulated nyton wrap. $5 \times 44$ stranded 0.D. .008". For rewinding RF colls, antenna primaries, etc. $100^{\circ}$ spoot. Shpg. wt. 40 oz .
    32 H 1485100 ft . 5 spool
    Net .65

[^15]:    lake Lafauctte Yoir (Dic Doun

[^16]:    - Develops $1000^{\circ} \mathrm{F}$ uses 12 -Volt source REPLACEMENT TIPS
    Type marked * are nickel, others are nickelplated copper.
    Stock No, Type Size For
    


    ## PRINCESS WINIATURE SOLDERING IRON KITS

    - Featherweight only


    ## 3 oz.

    - Operates on 120 Volts


    ## AC/DC

    - Complete with 10 Watt Capsule, 3 Copper Tips
    

    Model 6975. Pencil light, high heat iron for critical miniature soldering, provides flexibility in tip shapes. Heat capsules and soldering nibs thread into turquolse handle with fingertip ease. Shpg wt., 6 oz. | Stoct No. | 1.9 | 10.49 | $50.4 p$ |
    | :--- | :---: | :---: | :---: |
    | 13 H 2187 | 6.66 | 5.95 | 5.33 | PRINCESS SOLDERING STATION Model 6900. Same as kit above but with deluxe soldering Iron holder equipped with sponge. 1 ib.

    | Stock No. | 1.9 | $10-49$ | $50-\mathrm{up}$ |
    | :---: | :---: | :---: | :---: |
    | 13 H 2188 | 9.50 | 8.50 | 7.59 |

    ## heat capsules

    For use with Princess miniature soldering Irons. Heat ranges from $400^{\circ} \mathrm{F}$ ( 6 watts) to $1000^{\circ} \mathrm{F}$ ( 18 watts). Shpg. wt., $10 z$.

    | Stock No. | Model | Tip Temperature | Watts | 1. | $\begin{aligned} & \text { et Each } \\ & 10.49 \end{aligned}$ |  |
    | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
    | 13 H2192 | 6906 | $400^{\circ} \mathrm{F}$ to 45 |  | 3.31 | 2.98 | 2. |
    | 13 H 2193 | 6910 | $550^{\circ} \mathrm{F}$ to $650^{\circ}$ | 10 | 3.31 | 2.98 | 2.65 |
    | 13 H 2189 | 6915 | $700^{\circ} \mathrm{F}$ to $800^{\circ}$ | 15 | 3.31 | 2.98 |  |
    | 13 H 2194 | 6918 | $900^{\circ} \mathrm{F}$ to $1000{ }^{\circ} \mathrm{F}$ | 18 | 3.31 | 2.98 | 2 |
    | UNGAR KLEEN TIP \#400 99c <br> Effective for removing oxidation and cleaning soldering tips. Clean tips last twice as long! With phenolic tray, two specially processed sponges and bracket for attaching to work bench. Shpg. wt., 602. <br> 13 H 2181 <br> Net .99 |  |  |  |  |  |  |
    |  |  |  |  |  |  |  |
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    |  |  |  |  |  |  |  |

    
    [A] 100/140 WATT "EXPERT" SOLDERING KIT - Includes Gun, 3 Tips, Wrench, Flux Brush, Aid Tool, Solder, Sturdy Carry Case Plus Instructions

    - Prefocused Spot-Light Illuminates Work
    - Dual Heat Gun-UL Listed

    MODEL $8200-\mathrm{PK}$. Just the thing for the novice or professional. Compact design and bull-in prefocused spotlight elliminates 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 trigrer. Accessories include 3 durable soldering tips. tio changing wrench. nylon flux brush. soldering aid to facilitate difficult connections and all purpose solder. All the items you need for first-class solder connections are packed in a high impact plastic case. UL IIsted.
    13 H 3915 Shpg . wt., $33 / 4 \mathrm{lbs}$. Lots of 3

    Net ea. 5.88
    Net ea. 5.54

    ## [B] 100/140 WATT DUAL-HEAT GUN

    Model 8200 . Dual heat solder gun only, featured in above kit. Includes tip, instruction book. 120 VAC 60 cps . UL listed.
    13 H 3914 Shpg. wt., $21 / 2$ lbs.
    Lots of 3 each. 4.26

    ## [C] 240/325 WATT HEAVY DUTY SDLDERING KIT

    MODEL D.550 PK. A Professional Heavy Duty soldering Kit reaturing the dual-heat 240/325 watt Weller Run. Everythink needed for hun. dreds of applications in Hobbles, Shopwork. Household repairs. Case can be used as tool kit lunch box or tackle box. Kit contains 0.550 Solder run, All purpose solder. Cutting Tid, Soldering Tip, Smoothing Tid. Tio Changing Wrench and Instruction Booklet. Replacement and accessory tips are available at low cost to fit special applications. Entire kit is enclosed in a high impact plastic case with carrying handle. UL listed. Shpg. wt., 5 !bs.
    13 H 3918
    Net ea. 9.75
    Lots of $3,8.65$
    Lots of 12, ea. 8.15

    ## [D] 145/210 WATT PROFESSIONAL SOLDERING GUN

    MODEL D-440. New High Wattare Guns--these latest Professional Model Soldering runs have everything! Increased wattage-duat spot-lites-rugred plastic case-reatherweight balance. Come equipped with cord. plur and one tip. For $110-120$ volts, 60 cDs AC. Model D-440. Dual-heat type. 145/210 watts. UL. listed. Shpg. wt., 3 lbs. 13 H 3916

    Net ea. 7.45 Lots of 3,ea, 6.65 Lots of 12 ea. 6.25 Model D.sso $240 / 325$-Watt Heavy Duty Soldering Gun. ULL issted. Shpg. wt. $33 / 4 \mathrm{lbs}$.
    13 म 3917
    Lots of 3 , ea. 7.30
    Net ea. 8.25
    Lots of 12, ea. 6.90

    ## WELLER REPLACEMENT TIPS \& PARTS

    | Stock No. | Type | Description Avg. shpg.wt., 30 | Net | Stock No. | Type | Description | Avg. shpg, wt., 3 oz. | Net |
    | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
    | 13 H 3919 | 7300 | Copper Tip, pkg. of 2, for 8. S-107, D-207 | .35 |  | 6110 | Cutting Tip for D | (00, 8200. 8100 | 35 |
    | 13 H 3920 | 8125 | Plated Tip, pkR. of 2, for 8200, 8100 B | . 35 | 13 H 3928 | 6120 | Smoothing Tip for | $8100,88200$ | 5 |
    | $13 H 3921$ $13 H 3922$ | ${ }_{7135}^{8125 N}$ | Tip Nuts with Tip for 8200,81008 Codper Tip, Dkg. of 2,5400, D-440, 8100 | .35 .35 | 13 H 3929 | 6130 | Cutting Tio for D-5s | 8250A | . 35 |
    | 13 H 3923 | 7135 N | Tip Nuts with Tip for S-400, 0-440, 8100 | . 35 | 13 H 3930 | 6140 | Smoothing Tip for | 0, 8250A | . 35 |
    | 13 H 3924 | 7250 | Copper Tip, pkr. of 2, S.500. D-550, 8250 A | . 35 | 13 H 3931 | 7323 | Switch for all Sing | eat Models | 70 |
    | 13 H 3925 | 7250 N | Tip Nuts. Tip, S-500, D-550, 8250A | . 35 | 13 H 3932 | 7324 | Switch for all Dual | Models | 70 |

    W-PS "PENCIL" SOLDERING IRON
    

    Low-cost. lightweight soldering Iron designed for minlature soldering, kit building and production work. 25 watts, extremely efficient. ruggedly constructed. Impact-resistant handle remains cool. For 110 120 volts, 60 cos. AC. Complete with tip and 2 -wire power cord. Shpr. wt. 4 oz.
    Steck No. Mig. No. Description
    Net Each

    | 13 H 3941 | WPS | Iron, 1/8" tip and cord | 3.80 | 3.45 | 3.15 |
    | :---: | :---: | :---: | :---: | :---: | :---: |
    | 13 H 3942 | ST-1 | 1/16* Screwơriver Tip | . 75 | . 67 | . 60 |
    | 13 H 3943 | ST-2 | 3/32* Screworiver Tlp | . 75 | . 67 | . 60 |
    | 13 H 3944 | ST. 3 | 1/8" Screwdriver Tip | .75 | . 67 | . 60 |
    | 13 H 3953 | ST-4 | 3/16" Screwdriver Jip | . 75 | . 67 | 60 |

    ## MARKSMAN SOLDERING IRON KIT

    \author{

    - Develops $750^{\circ}$
    }

    Tip Temperature
    Model SP-23-K perfect iron for hobbyist and professional. Pencil tios permit accurate soldering of connections or joints. Kit contains: 25 watt iron; 5 ft . $60 / 40$ Rosin core solder: 3 pre-tinned plated copper tlps; solder ald tool and instructions. 13 H 3945 Shpg. wt. $1 \mathrm{lb} . \ldots$ Net 3.35 Model SP-23 25 Watt Soldering Pencil. 13 H 3946 Shpg. wt., $1 / 2$ lb. $\qquad$ Net 2.25
    

    13 H 3954 (pk. of 2) Cone shape tips for SP- 23 Iron Net .53 "MARKSMAN" 40 WATT SOLDERING IRON. Lightwelght-compact. Suitable for hobby, electronic and industrial use. Weighs only 2 oz., with $1 / 4$ " diameter plated copper tip.
    13 H 3955
    Net 2.99
    13 H 3956 (pkg, of 2) Replacement chisel for above
    Net $\quad .90$

    WELLER W-TCP TEMPERATURE CONTROLLED SOLDERING PENCIL
     Weiller temperature controlled "Iow volt age" soldering pencil was designed for production line and research lab uses, where its precision soldering tip and accurate tempera. ture are a must to meet rizid soldering specifications. Features include: stand attached to power unit, cool handle of impact plastic. isolated for ellmination of leakage current. Shpg, wt., 3 lbs.
    13 H 3911 6-23
    

    - Features Automtic Thermal Regulation (ATR)

    Model $222 \times 5$. Complete soldering kit for household and model work. Kit contains Hot Rod 222 gun with ATR, two Interchangeable tlos for Hght (up to 100 watts) and medium ( $100-200$ watts) soldering, a handy plastic cutting accessory, plus a flat Iron for sealling plastic bags, ironing out dents, etc. Complete with roll of solder and ragged carrying case. UL listed. Shpg. wt. 4 lbs.
    13 H $6535 \ldots$ Neter. $8.97 \ldots$ Lot of 37.97 ea .
    Model 222 "Hot Rod" gun alone with medium duty 100-200 watt tip. UL listed. Shpg. wt., $21 / 2 \mathrm{lbs}$.
    13 H 6534
    Net ea. 5.95 $\qquad$ Lot of 35.30 ea .
    

    100K GUN KIT

    ## As Low As

    - Lightweight-Only 19 oz.!
    - Extra Slim-Only 1 "Kós"?
    

    Lot of 3.30 ea.

    - Fast Heat Soldering Temperature is $21 / 2 \mathrm{Sec}$ !

    100 watt black gun with spoilight and replaceable steel-nose tip. Includes plastic tile cutting tip and $5^{\prime}$, rosin core solder.
    13 H 6530 Shpg, wt., $21 / 2$ ibs. UL listed. Net ea. 5.95 Lots of 3 each Net 5.30
    MOOEL $100-100 \mathrm{w}$ gun from above kit. 110 V 60 cps . AC.
    13 H 6528 Shpg. wt., $11 / 2$ lbs.
    

    Net ea, 4.76
    Lots of 3
    Net ea. 4.45

    WEN REPLACEMENT TIPS

    | Stock No. | Type | Description | Net |
    | :---: | :---: | :---: | :---: |
    | 13 H 6522 | 4577 | 25.100w M1p for 222,450 | . 31 |
    | 13 H6523 | 45M7 | 100-200w 7 p for 222,450 | . 91 |
    | 13 H6524 | $45 A 7$ | 200.450 w Tp for 450 | . 91 |
    | 13H6520 | 75A7 | Std. Tip for 75 | . 70 |
    | 13 H6521 | 7587 | Fine Tip for 75 | . 70 |

    ## NEW WELLER TEMPERATURE CONTROLLED IRONS

    Industrial soldering tools feature temperature control in tips, prevents overheating-maintajns proper temperature. Complete with tip and two-wire cord. For $110-120$ volts 60 cycles AC. Avg. wt. 12 oz.

    | Stock No. | Type No. | Watts | Net ea. | 12-up |
    | :--- | :---: | :---: | :---: | ---: |
    | 73 H 3947 | W. 60 | 60 | 9.00 | 8.00 |
    | 13 H 3948 | W-100 | 100 | 11.25 | 10.00 |
    | 13 H 3949 | W.200 | 200 | 15.00 | 13.35 |

    WELLER TEMPERATURE SENSING TIPS (PREMIUM PLATED)

    | Stock No. | Yype No. | Temp. | For lron | Size | Hetea. |
    | :--- | ---: | :--- | :--- | :--- | :--- | ---: |
    | $\mathbf{1 3}$ H 3950 | $5 . C 1 N-8$ | $800^{\circ}$ | W-60 | $3 / 32^{\prime \prime}$ | .95 |
    | 13 H 3951 | $6-E 1 N-8$ | $800^{\circ}$ | W-80 | $1 / 4^{\prime \prime}$ | $\mathbf{1 . 5 0}$ |
    | 13 H 3952 | $12-G 4 N-8$ | $800^{\circ}$ | W-100 | $7 / 16^{\prime \prime}$ | $\mathbf{2 . 2 5}$ |

    

    ## 25/450 WATT HEAVY-DUTY SOLDERING KIT

    - Features Automatic Thermal Regulation

    Model 450K4. Complete soldering hit designed to handle every soldering job from the most delicate printed circuit, to rugged sheet metal work. Kit contains Model $450 \quad 25 / 450$ watt gun that sutomatically 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 lbs.
    13 H 6536 ................. Lot ea. 11.96 310.64 ea.
    Model 450 Heavy duty gun alone with extra heavy duty $200-450$ watt tip. UL listed. Shps. wt., 3 lbs.
    13 H 6519
    Net ea, 10.46 $\qquad$ Lot of 39.30 ea.
    LIGHTWEIGHT SOLDERING PISTOL

    As Low As

    - Instant Heat-Fast Cooling
    - Spotlight Focuses on Work
    - Single Set Screw for Fast Tip Replacement

    B

    - Trigger On/Off Switch

    WEN 75. A finely balanced soldering pistol for delicate and heavy Jobs. Draws only enough current necessary with ATR-50w surge and 30 w operating produces 100 w heat. Transformer voltage is low for cool handling. 120 V AC. UL Iisted. Shpg, wt., $11 / 4 \mathrm{lbs}$.
    13 H 6527
    Net 3.70
    Lots of 3 each
    Net 3.30

    | Stock No. | Type | Description | Met |
    | :---: | :---: | :---: | :---: |
    | 13 H 6529 | 1984 | Repl Tip for 100 | . 35 |
    | 13 H 6525 | 4557 | Plastic Cutter Attachment for 222 and 450 | 42 |
    | 13 H 6526 | 45P57 | Flat Iron Attachment for 222 and 450 | . 42 |

    ## LAFAYETTE 30-WATT SOLDERING PENCIL

    - Lightweight-A Mere 2 Oz .
    - Perfectly Balanced-No Fatigue!
    - Exceptionally Cool Running!

    Designed specifically for industrial use. Maximum wattage in the lightest-smallest-coolest 30 watt iron available. Nine inches longweighing a mere 2 oz. less the cord-for reaching easily into "partspacked" chassis. Especially suited for precision electronic wiring. Element of high quallty nichrome wire, precision wound on a "double" mica base. Highly stable heating characteristics assure long life and safety in use on precision circuitry. Replaceable screw-in, nichelpiated copper tip. $110-120 \mathrm{~V}$ AC/DC. Imported. Shpg. wt., 802.
    99 H 8027
    Net 1.59
    99 H 8028 Replacement Tip
    Net 24

    ## MINI-TORCH BLOW TORCH AND SOLDERING KIT

    Complete Kit Only

    - Pencil Size With Pinpoint Flame-Solder-Brazes

    An extremely useful and highly efficient minlature blow torch. A high heat, $3500^{\circ} \mathrm{F}$, pin point flame delivers instant power. Unit is less than 7" long from end to end. Charged by a butane cartridge which gives 30 minutes of continuous service. May be truned on or off at any time. Economical throw-away cartridges can be stored indefinitely, Entire unit weighs approximately 4 oz . A true por.
    table high heat torch. Ideal for repairs on wiring-radio-TV installatlons-appliances -plpes and plumbing. Wonderful for making putty soft and workable. Supplied complete with 2 chargers, soldering to and coll of rosin core solder. Shpg. wt., 1 lb . 13 H 4501 $\qquad$ Net 3.75
    13 H 4507 Entra chargers. Phg of 4 Net 1.09

    | Size | $\begin{aligned} & 39 ¢ \mathrm{Box} \\ & \text { Stock No. } \end{aligned}$ | Box of 100 Stock No. | Net |
    | :---: | :---: | :---: | :---: | Fig. 1-Round Head Steel Machine Screws, Nickel Plated


    | 2-56x1/4" | 13 | 40 | 13 ${ }^{\text {a }}$ | 52 |
    | :---: | :---: | :---: | :---: | :---: |
    | 2.56x1/2* | 13 H 4308 | 40 | 13 H 4312 | 55 |
    | 2.56x3/4" | 13 H 4309 | 40 | 13 H 4313 | . 64 |
    | $4.36 \times 1 / 2^{\prime \prime}$ | 13 H 7201 | 40 | 13 H 7226 | . 55 |
    | 4-36×1/2" | 13 H 7202 | 35 | 13 H 7227 | 9 |
    | 4.36x3/4* | 13 H 7203 | 35 | 13 H 7228 | 0 |
    | 6-32 $\times 1 / 4^{\prime \prime}$ | 13 H 7204 | 40 | 13 H 7229 | 8 |
    | $32 \times 1 / 2^{\prime \prime}$ | 13 H 7205 | 30 | 13 H 7230 | \% |
    | 13/4" | 13 H 7206 | 30 | 13 H 72 |  |
    | 1/4" | 13 H 7209 | 30 | 13 H 7234 |  |
    | 32x1/2 | 13 H 7211 | 25 | 13 |  |


    | Fig. 2-Binder Head Steel Machine Screws, |
    | :--- |
    | Nickel Plated |
    | $4.40 \times 1 / 4=\quad 13$ | $8 \quad .55$ $6.32 \times 1 / 4^{*} 13 \mathrm{H} 7218$ 40 13 H 7242 . 58 $6-32 \times 3 / 8$ " 13 H $4316 \quad 35$ 13 H 4339.63 $6.32 \times 1 / 2^{\prime \prime} \quad 13$ H $4317 \quad 30 \quad 13$ H $4340 \quad .68$ Fig. 3-Self-Tapping Sheet Metal Screws; Nickel Plated


    | Asstd. | $13 \mathrm{H}^{-7220}$ | 25 |  |
    | :---: | :---: | :---: | :---: |
    | \# $4 \times 1 /{ }^{\prime \prime}$ | 13 H 7221 | 35 | 13 H 7243 |
    | \#6x1/4" | 13 H 7222 | 30 | 13 H 7244 |
    | \#6x1/2" | 13 H 7223 | 25 | 13 H 7245 | *6×1/2" 13 H $7223 \quad 2513$ H 7245103 *8×1/2" 13 H $7224 \quad 20 \quad 13$ H $7246 \quad 1.19$

    Fig. 4-Knob Set Screws
    Asstd 13 H 724815
    Fig. 5-Hex Nuts, Nickel Plated Asstd 13 H 602130

    | Asstd. | 13 H 6021 | 30 |  |  |
    | :---: | :---: | :---: | :---: | :---: |
    | 2.56x3/16" | 13 H 4320 | 40 | 13 H 4322 | . 75 |
    | $4.36 \times 1 / 4^{\prime \prime}$ | 13 H 7249 | 40 | 13 H 7265 | . 74 |
    | 4.40x1/4" | 13 H 4321 | 40 | 13 H 4323 | . 74 |
    | 6.32x1/4" | 13 H 7250 | 40 | 13 H 7267 | . 74 |
    | $8-32 \times 5 / 16^{*}$ | 13 H 7253 | 35 | 13 H 7270 | . 80 |

    

    SELF-TAPPING SHEET METAL KIT
    Contains balanced assortment of plated self. tapping. slotted hex head sheet metal screws in sizes: $\# 4 \times 3 / \mathbf{B}^{\prime \prime}, \$ 6 \times 1 / 4^{\prime \prime}, \$ 6 \times 1 / 2^{\prime \prime}, \# 6$ $\times 3 / 4^{\prime \prime}, 48 \times 1 / 4^{\prime \prime} \dagger{ }^{\circ} \$ 8 \times 3 / 3^{\prime \prime}, 18 \times 1 / 2^{\prime \prime \prime}$, and \#8 $\times$ 5/8". Total of 165 pleces in handy compartmented plastic box with hinged cover. 13 H 7319 ..... Shpg, wt., $1 \mathrm{lb} . .$. . Net 1.59 MACHINE SCREWS, NUTS ANO SHEET METAL SCREW KIT
    Packet as above. Contains round head steel plated machine screws in sizes: $4-40 \times 1 / 2$. $6 / 32 \times 1 / 4,6 / 32 \times 7 / 4,8 / 32 \times 1 / 2$, sheet metal screws, $\% 6 \times 1 / 2$ and assortment of nuts. Total of 265 pleces. Shpg. wt., 1 lb . 13 H 7320

    ## BINOER HEAD ASST.

    Same as above but machine screws have binder heads.
    13 H 7321
    Net 1.59 WOOO SCREW KIT
    In same handy box. Contains assortment of 131 round head and flat head plated wood screws in 8 sizes for $\$ 4,6$ and 8 holes. 13 H 7322 ......Shpg, wt., 1 ib....... Net 1.59

    | Size | $\begin{aligned} & 39 \text { c } 80 x \\ & \text { Stoch No. } \end{aligned}$ |  | Box of 100 Steck No. | Net |
    | :---: | :---: | :---: | :---: | :---: |
    | Fig. 6-Mounting Nuts, Nickel Plated |  |  |  |  |
    | Vol. Cont | 13 H 7256 | 15 | 13 H 4324 | 1.62 |
    | Toggle Sw. | 13 H 7257 | 10 | 13 H 4325 | 1.98 |
    | Fig. 7-Wing Nuts, Nickel Plated |  |  |  |  |
    | Asstd. 13 H 432610 |  |  |  |  |
    | Fig. 8-Metal Washers, Nickel Plated |  |  |  |  |
    | Asstd. | 13 H 7263 | 80 |  |  |
    | \# 4 |  |  | 13 H 4327 | . 36 |
    | \# 6 |  |  | 13 H 7275 | . 36 |
    | \#8 |  |  | 13 H 7276 | . 36 |
    | \#10 |  |  | 13 H 4328 | . 41 |
    | Fig. 9-Lockwashers, Cadmium Plated |  |  |  |  |
    | \$4 |  |  | 13 H4329 | . 48 |
    | \# 6 | 13 H 6022 |  | 13 H 7277 | . 48 |
    | \% 8 | 13 H 6023 | 55 | $13 H 7278$ | . 53 |
    | \#10 | 13 H 7264 | 55 | 13 H 7279 | . 53 |
    | Fig. 11 -Cup Washers, Nickel Plated |  |  |  |  |
    | \# 6 |  |  | $13 \mathrm{H} 728 \overline{3}$ | . 51 |
    | \#8 |  |  | 13 H 7284 | . 54 |
    | \#10 | 13 H 7265 | 35 | 13 H 7285 | . 61 |
    | Fig. 12-C washers |  |  |  |  |
    | Asstd. 13 H 728625 |  |  |  |  |
    | Fig. 13-Flat Fiber Washers |  |  |  |  |
    | Asstd. 13H7287 35 |  |  |  |  |
    | Fig. 14.Extruded Fiber Washers |  |  |  |  |
    | Asstd. | 13 H 7288 | 30 |  |  |
    | Fig. 15-Hole Plugs, Nickel Plated |  |  |  |  |
    | Asstd. 3/8" $1 / 2^{\prime}$ | 13 H 4330 |  |  |  |
    |  | 13 H 7290 | 8 |  |  |
    |  | 13 H 7291 | 6 |  |  |
    |  | Fig. 15-Vent Hole Plug |  |  |  |
    | 1" | $13 \mathrm{H} \mathbf{6 0 2 5}$ | 4 |  |  |


    | Size | $\begin{aligned} & 39 \% 80 x \\ & \text { stock No. } \end{aligned}$ |  | Box of 100 Stock No. | Net |
    | :---: | :---: | :---: | :---: | :---: |
    | Solder Lugs, Hot Tin Oipped |  |  |  |  |
    | Hole Fig. |  |  |  |  |
    | \#6 17 | 13 H 4331 | 30 | 13 H 4335 | . 97 |
    | \#8 17 | 13 H 7294 | 30 | 13 H 7311 | . 97 |
    | \#6 18 | 13 H 4332 | 30 | 13 H 4336 | . 97 |
    | \# 818 | 13 H 7295 | 30 | 13 H 6039 | . 96 |
    | \#6 19 | 13 H 4333 | 30 | 13 H 4337 | 1.08 |
    | \#8 19 | 13 H 6026 | 30 | 13 H 6040 | . 95 |
    | \#6 20 | 13 H 4334 | 30 | 13 H 6041 | 1.24 |
    | \#8 20 | 13 H 6027 | 30 |  |  |
    | \#10 20 | 13 H 6028 | 30 | 13 H 6042 | 1.24 |
    | Fig. 21-Cable Clamps, Cadmium Plated |  |  |  |  |
    | 1/8-3/16" | 13 H 7296 | 25 | 13 H 7312 | 1.12 |
    | 3/16-1/4" | 13 H 7297 | 20 | 13 H 7313 | 1.29 |
    | Fig. 22-Tension Springs |  |  |  |  |
    | Asstd. Lg. 13 H 6030 10 <br> Asstd. Sm. 13 H 6031 10 |  |  |  |  |
    |  |  |  |  |  |
    | Fig. 23 - Compression Springs |  |  |  |  |
    | Asstd. Sm. | $1 3 \longdiv { 4 6 0 3 2 }$ | 15 |  |  |
    | Asstd. Lg. | 13 H 6033 | 15 |  |  |
    | Fig. 24 Vinyl Grommels |  |  |  |  |
    | 1/4" | 13 H 7298 | 16 | 13 H 7314 | 1.45 |
    | 5/16" | 13 H 7299 | 14 | 13 M 7315 | 1.65 |
    | 3/8" | 13 H7301 | 18 | 13 H 7316 | 1.45 |
    | 1/2" | 13 H 7302 | 10 | 13 H 7317 | 2.49 |
    | 5/8" | 13 H 7303 | 10 | 13 H7318 | 2.56 |
    | Fig. 25-Rubber Feet |  |  |  |  |
    | Asstd. | $13 \text { H } 6034$ |  |  |  |
    | 3/8"0.0. | $13 \text { H } 6035$ | $8$ | 13 H 6044 | 1.45 |
    | 5/8* 0.0 . | 13 H 6036 | 8 | 13 H 6045 | 2.71 |
    | Fig. 26 -Rubber Tack Bumpers |  |  |  |  |
    | 5/8* O.D. | 13 H 7304 | 10 | 13 H 6046 | 2.04 |
    | Fig. 27-Cord Sirain Relief |  |  |  |  |
    | For Post | 13 H 6037 | 5 |  |  |

    ## LOCKING FORCEPS

    - Fits Over 250 Combinations of Thread Sizes
    - Self Tapping! Self Locking

    A selection of 21 tough Dupont nylon nuts for hundreds of uses in the home or shop. Fits sizes from $/ \mathrm{m}^{\prime \prime}$ to $3 / \mathbf{B}^{\prime \prime}$ diameter, Left hand, right hand, wood screws. Self tapping. self locking.
    12 H 2801 Shpg. wt., 3 oz. ........... Net .79 MASTER NYLON NUT KIT
    Mechanle's assortment of over 70 nylon nuts described above. Covered, compart. mented plastic case.
    12 H 2802 Shpg. wt., 6 oz.
    Net 1.49

    ## WIRE BENDING JIG

    

    Handi-Bender forms wire sizes up to $1 / 4^{\prime \prime}$ dia. Steel stots 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., $4 / 2 \mathrm{lb} .7010$

    Net 89
    

    All stainless steel $6^{\circ \prime \prime}$ long. They have unusual holding qualities necessary in many servicing situations. Shpg. wt., $11 / 2 \mathrm{lbs}$. 14 H 2301 Stralght Nose Net 2.49 14 H 2302 Curved Nose Net 2.59
    

    Made of polished nickel-plated spring steel. Shpg. wh. 402.
    Self-Closing Type. 61/2" long, with blunt points.
    13 H 6085 (A
    (A)

    Net .99
    Heavy-Duty Type. $61 / 2$ " long, with slide lock and blunt ooints.
    13 H 6086 (B)
    Net 1.10
    Precision Type. $41 / 2^{\prime \prime}$ L. Pointed.
    13 H 6087 (C)
    Net .75
    All 3 above in leatherette case.
    13 H 6088
    Net 2.84
    G.C. Alignment Tools And Service Aids
    

    Average Shipping weight of all below: 8 02s.
    Type Fig. DESCRIPTION
    Stock No. Type Fig. DESCRIPTION Net
    13 H 60639087 N Slug Tuner Adjusting Tool 75
    13 H 60649089 Westinghouse Tool 9

    13 H 60658272 R TV I.F. Osc Tool (RCA, G-E, Admiral) $\quad 1.20$
    13 H 60668273
    13 H 60678290
    $\begin{array}{lll}13 & H 6068 & 8607\end{array}$
    13 H 60699105
    13 H 60708987
    13 H 60718988
    13 H 6072 8728A
    13 H 60738728
    13 H 60749440
    $\begin{array}{llll}13 H 6075 & 9298 \\ 13 H 6076 & 9091\end{array}$ 13 H 60769091 RA Recessed Driver with 1/8" Blade

    TV I.F. Osc Tool (RCA, G-E, Admiral)
    TV All-Purpose Aligner, recessed blade
    Universal Screwdriver Allgner
    Nylon TV Long-Reach Aligner $\quad .70$
    $6^{\text {n }}$ Non-Mag Beryllium driver $1 / \mathrm{m}^{\prime \prime} \quad 1.60$
    X-57 Silm Line Screwdriver 7"
    X-57 Slim Line Screwdriver $\mathbf{1 2}^{\prime \prime}$
    $7^{\prime \prime}$ Delrín Screwdriver
    12" Long Delrín Screwdriver
    Transistor I.F. core allgnment tool
    Recessed Driver with $1 /{ }^{2 \prime \prime}$ 8lade .63
    $5^{\prime \prime} .125$ Hex Double End Iron Core Tool . 48
    
    

    Contains five tools and a universal, double. chuck handle all in an always handy. seethrough carrying case. Individual tools can be quickly replaced as needed. All tools are made of hard chrome-plated steel, to which solder will not adhere. The hexshaped. double-chuck handle is rugged and comfortable to use. Shpg. wt., $1 / 2 \mathrm{lb}$.
    13 H 7414
    Net 2.65

    ## 5 PIECE HEAT SINK KIT

    

    Set of 5 spring loaded aluminum heat sinks to protect components while soldering. Includes $11 / 2^{\prime \prime}$ and $21 / 2^{\prime \prime}$ straight and bent jaws, and one $21 / 2^{*}$ with magnetic base for use as a third hand.
    14 H 1501 Shpg. wt., 602.
    Net .99
    

    Contains 9 essential tools in roll-type case. One each 13 C 6052. 53. 54, 55, 56, 57, 58. 60.65. 13 H 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 container. Kit contains four basic essential tools with 8 serviceable sides that will service the majority of TV sets. Shpg. wi., 1 lb .
    12 H 3001
    Net 1.69

    ## OELUXE CABINET

    ## REPAIR KIT

    755
    

    Comes in handy metal box. Contains ten shades of shellac sticks, bottles of light and dark oll stain, bottles of metal shading varnish. polish, General Scratch Stik, alcohol lamp (with alcohol) spatula, small brushes, steet wool, sandpaper, and wiping cloth. No special skill required. Directions Shpg. Wt., 3 lbs.
    REPAIR CRAOLE
    G.C. "Quick-Rig" makes radio 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 lbs.

    ## 13 H 6089

    Net 4.95

    ## TEL-A-TURN ALIGNMENT TOOLS

    

    Automatically counts the turns right or left. just insert the tool in screw head or slug. line up callibrator sleeve, rotate tool, read the number of turns on callbrator. Made of polyester fiberglass with clear calibration sleeve. Shpg. wh. 2 oz. If Allgner. One end fits a \#4 stud, the other end fits a \#6 stud.
    13 M 6077 ...... Tel-a-Turn Tool ...... Net 8.05 An alignment tool with standard metal tip at one end. Other end $/ 4 / 4$.
    13 H 6078 Tel-a.Turn Tool Net 1.05 A double-ended Hex aligner that turns both top and bottom slugs. One end has $100^{\prime \prime}$ hex, other is $.125^{\prime \prime}$ hex.
    13 H 6079 ...... Tel-a.Turn Tool ...... Net 1.05

    ## $\underset{\text { MIRROR }}{\text { ILLUINATEO }} 1^{99}$

    Battery powered, hinge mounted, Inspecting tool with insulated shaft; perfect for in. specting in out-of-the.way places. Locking switch for on-off and one-hand operation. Comes with bulb but less batteries ( 2 stand. ard penlight cells). $121 / /^{\prime \prime}$ long. Shpg. wt., 1 ib .
    13 H 6082 Net 1.99
    Batterles for above.
    99 H 6258
    Net ea. . 10

    ## ANY-ANGLE INSPECTION LIGHT

    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 puls the light where you want it. Durable plastic case with handy metal loop for hanging. Uses 2 "C" cells. Complete with extra bulb. Imported. Shpg. wt., 1 lb . 13 H2750 ................. 2.69

    # Waldom Solderless Terminals and Connectors 

    

    Fig. B
    

    Fig. 0 Fis. $E$
    

    Fis. 6

    Highest quallty terminals made of pure copper, elec. trotin plated. Insulated types have permanently attached rigid vinyl sleeves. Crimp on rapldly and make positive, uniformly reliable connections. Column headed "Type"; ST is Spade Tongue; HT Is

    Hook Tongue; FS is Flanged Spade; RT is Ring Tongue; B is Butt Connector (length of non-insulated $X_{0}{ }^{\text {" }}$. Insulated ${ }^{\prime} \mathrm{K}_{6}{ }^{\prime \prime}$ ); QDM is Quick Oisconnect Male; QOF is Quich olsconnect Female; NI is Nyion in. sulated Closed End Connector.
    

    Fig. F Male Fig. f Female
    NI $616.10 \quad 0.0 .7 / 16^{\prime \prime}, 1.0 .3 / 8^{\prime \prime}$, Lgth. 23/32"
    1513 H $7399 \quad 1.09 \quad 100 \quad 13$ H $7345 \quad 5.41$
    

    ## CRIMPING TOOL

    with BOLT CUTTER- Crimps Insulated \& NonInsulated Terminals - Slices 6 Sizes Bolts.

    Mandy, fast tool for all electrical connections. No soldering 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 H 7700 Shpg. wt., 1 lb. $\qquad$ Net 4.49
    

    ## CRIMPING TOOL ANO TERMINALS <br> - Wire Cutter, Wire Stripper

    B-Includes Assortment of Terminals
    읍 중
    New! A complete crimp tool kit for home, shop. Sol.
    deness terminal crimp tool cuts any size wire up to 10 gauge, strips wire easily with clearly marked gauges. Crimps terminals quickly with precision tooled crimping dyes. Easy to use with comfortable insulated handles. Complete with plastic box of as. sorted solderless terminals and connectors. Imported.
    13 H 7000 Shpg. wt., 1 lb. .............Net 1.95
    

    ## TRANSISTOR 25 SILICONE GREASE WITH INJECTOR

    Easily dispenses compound to hard to reach areas when replacing transistors. Injector made of polyethylene plastic with neo. prone plunger.
    13 H 6109 Wt. 10 02. - Net 2.17

    ## 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 H 4301 Shpg. wt., 4 lbs. $\quad$ Net 8.85

    138 insulated Types Indicated by ( $\dagger$ ) above, plus Universal Crimping Tool. In handy com: partmented plastic box with hinged cover. 13 H 4302 Shpg. wt., 3 los. Net 12.05

    ## SPRAY PaINT

    

    - Dries in Minutes - No Brush, Fuss or Muss

    For fast, easy painting of small jobs, touchup. on - the - spot maintenance. etc. Use Indoors or outdoors. Net wt. per can, approx. 1 pt. Shpg. wt., 1 lb .

    Culor
    Bright Silver (alum)
    Glossy White
    Flat White
    Antique Ivory
    Glossy Black

    Flat slach
    Machine Grey
    Bright Gold
    Chrome Yellow
    Regal Blue
    Baby Blue
    Munter Green
    Cherry Red
    Bright Copper
    Orange
    Leather Brown
    Desert Beige
    CAYSTAL CLEAR
    Prevents deterioration and moisture breakdown of insulation. Preserves and protects. 13 H 1467 Net 1.39
    1.29 es.

    Any 3 colors in lots of 3
    1.19 ez.

    ILL PURPOSE PRIMER
    Use on wood, some plastics and ceramic surfaces. Dries in 15 minutes.
    13 H 1468 White Net $1.29 \ldots \ldots$ Lots of 31.19 13 H 1469 Gray Net $1.29 \ldots .$. Lots of 31.19

    ## CONTACT NEEDLE INJECTOR

    Made on the hypodermic principle to inject cleaners and oils into shafts, controls and tight places. Supplied with a 2.02 . bottle. Shpg. wt.. $50 z$.
    13 H 6092
    stock No.
    13 H 1450 13 H 1451 13 H 1452 13 H 1453 13 H 1454 $13 H 1455$
    $13 H 1456$ 13 H 1457 13 H 1458 13 H 1459 13 H 1460 13 H 1461 $13 H 1462$
    $13 H 1463$ 13 H 1464
    13 H 1465
    13 H 1466

    ## CHEMICALS

    ## POLYSTYRENE CEMENT AND COIL DOPE

    Pure polystyrene dissolved In thinner. For coating, doping, scaling coils, and for cementing polystyrene to polystyrene. 2 oz, bottle. Shipg. wt., 4 oz.
    13 H 6003
    THINNER FOR ABOVE 2 oz Net . 55 13 H 6004

    Net. 52
    Bakelite Cement. The only practical cement for bakelite. Cements bakellite to bakellte and other materials. Shpg. wt., 5 oz .
    13 H 60952 ozs.
    Net .87
    Plastic Cement. For all types of plastic- Fas drying - waterproof - strong bond.
    13 H 60962 ors. Shigg. wt. 502 .... Net .55 Pil-0-Band Cement. Sticks anything to anything. Dries rapidiy - waterproof - very high strength. Shipg. wi., 502.
    13 H 60972 ozs.
    Net .60
    Red-X Corona Dope. Prevents corona shorts in MI-Voltage circuits. Fiexible - fast drying. 13 H 60982 ozs. Shpg. wt. 5 oz. Net 78 Creme-O-War Polish. For TV and radio cabinets. Mard-glassy, durable finish.
    13 H 6099 i/2 pt. Shpg. Wt., 1 lb. Net .70 Electronic Contact Clesner. New red cleaner. made with lube - Rex. Fast drying - universal contact cleaner. Shps. wha, 5 oz. 13 H 61012 02s.

    Net .60 Llquid Non.Slip. Penetrating - last drying. Prolongs life of cables and belts. Prevents slipping. Shpg. wt., 5 oz.
    13 H 61022 ozs.
    Net .55
    Phono-Lubricant. Special Jubricant for phonos. Will not thin out. Clings to metal surface. 2 oz. tube. Shpg. Wt., 5 oz.

    ## 13 H 6103

    Net . 55
    Phono Non-silp. Prevents slippage on turntables, changers, tape recorders, etc.
    13 H 6105 Shpg. wt., $1 \mathrm{lb} . \ldots .{ }^{2}$.
    Service Cement. For repairing speakers and general radio work. Vibration-proof, waterproof - fast drying.
    13 H 81062 02s. Shpg. wt., 502 .... Net . 55
    13 H 61074 ozs. Shpg. wt., 8 oz. .. Net . 82
    13 H 81088 ozs. Shpg. wt., 1 lb. .... Net 1.45
    Net 1.45

    ## 죽 Man 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 STACKEO-ADDED TO-CHANGED-ARRANGED-REARRANGEO
    (A) MODEL J.36. 36 compact drawers.

    Drawer size: $11 / 4 \mathrm{Hx} 2 \mathrm{y} / 4 \mathrm{Wx} 5 \mathrm{~m}$ '2.
    Cabinet size: $17 \%$ Wx $6 \mathrm{Dx} 11 / \mathrm{s}^{\mathrm{N}} \mathrm{H}$. Cabinet, "See-Thru" drawers, dividers, and index labeis. Shpg. wt. 13 lbs. 13 H 7610 W
    MODEL XJ-36. Above with unbreakable opaque drawers.
    13 H 7601w
    Net 12.48
    (B) MODEL 6-24. 24 deep compact drawers.

    Drawer size: $2 \mathrm{~Hz} 2 \mathrm{Z} / \mathrm{W} \times 5 \mathrm{y} / 4 \mathrm{LL}$.
    Cabinet size: $17 \% W \times 60 \times 101 / 4$ "H. Cabinet, "See-Thru" drawers, dividers. and index labels. Shpg. wt., 11 lbs. 13 H 7611 W
    Model XG-24. Above with unbreakable opaque drawers. 13 H 7602 W

    ## (C) MODEL M3C-20 20 long drawers.

    Drawer size: 2Hx3Wx11"L.
    Cabinet size: $177 / 8 \mathrm{~W} \times 6 \mathrm{D} \times 10 \mathrm{y} / 4 \mathrm{H}$. Cabinet. "See-Thru" drawers, dividers, and index labels. Shpg. wt., 18 lbs.
    13 H 7603 W
    Net 19.98
    MODEL XM3-20. Above, but with unbreakable opaque drawers.
    13 H 7604 w
    (D) MODEL M4B-16. 16 long wide drawers.

    ## Drawer size: 2HmaWillı

    Cabinet size: $17 \% / 3 W \times 110 \times 101 / 4 \mathrm{H}$. Cabinet. "See-Thru" drawers, dividers and index labels. Shpg. wt., 17 lbs.

    ## 13 H 7612 W

    Net 17.98
    MODEL XM-416. Above but with unbreakable opaque drawers.
    13 H 7605W
    Net 17.98

    ## MODEL T3C-15. 15 long deep drawers.

    ## Drawer size: $31 / 2 \mathrm{Hx} 31 / 4 W \times 11 \mathrm{~m}$.

    Cabinet size: $177 / 8 \mathrm{Wx} 110 \mathrm{x} 101 / 2^{\prime \prime} \mathrm{H}$. Cabinet, "See-Thru" drawers, dividers, and index labels. Shpg. wt., 17 Jbs.
    13 H 7606 W Not illustrated
    Net 17.98
    MODEL XT-315. Above but with unbreakable opaque drawers.
    13 H 7607W Not Illustrated....................................................... 17,98
    MODEL T5A-9. 9 long deep wide drawers.
    Drawer size: $3 \mathrm{~K}_{3} \mathrm{H} \times 5 \mathrm{~K} / 4 \mathrm{~W} \times 11^{\prime \prime} \mathrm{L}$.
    Cabinet size: $171 / 8 \mathrm{~W} \times 110 \times 101 / \mathrm{m}^{\text {"H }} \mathrm{H}$. Cabinet, "See-Thru" drawers, dividers, and index labels. Shpg. wt., 16 lbs.
    13 H 7608 W Not llustrated
    Net 17.98
    MOOEt XT-509, Above but with unbreakable opaque drawers.
    13 H 7609 w Not Illustrated ........................................ Net 17.98

    ## PLASTIC UTILITY CABINETS <br> STEEL UTILITY CABINETS

    

    Orawer Size $574^{" x} \times 1 / 4^{\prime \prime} \times 14 / 4^{\text {" }}$

    Handy, extra strong, one-piece high.impact styrene plastic small parts cabinet.

    | Stock No. |  |  | \% Wt. |  |
    | :---: | :---: | :---: | :---: | :---: |
    | 13 H 7613w | 21HBA | 21 | 41/2 | 4.49 |
    | 13 H 7614W | 15H8A | 15 | $31 / 2 \mathrm{lbs}$. | 3.34 |
    | 13 H 7615 | 9HBA | 9 | $21 / 2 \mathrm{lbs}$. | 2.1 |

    ## adjustable plastic

    BOXES
    ## 75 c

    
    "See thru" plastic. Full width compart ments are adjustable - 9 dividers are supplied with each box. Curved "roll-out" type compartments allow fingerifs to roll small ltems out with ease. Boxes can be stacked. Size: $14 / 4 \times 83 / 4 \times 53 / 4 \mathrm{~m}$. Available in two types. Snpg. wt., t/2 tb.
    6 compartments
    13 H 7622
    3 compartments
    13 H 7623
    Net .75
    
    $\underset{\substack{\text { As } \\ \text { Som }}}{ } 39 \mathrm{C}$
    Clear plastic boxes ideal for storing screws, nuts, bolts and hundreds of other small parts. With hinged cover and bullt-in partitions.

    $$
    \begin{aligned}
    & \text { Steet frame cabinets are } 9^{\circ} \mathrm{Hx} 6^{\circ \mathrm{D}} \text {. Crystal } \\
    & \text { clear drawers, } 53 / 4 \text { " } 233 / 4 \text { " } \times 11 / 4^{"} \text {. }
    \end{aligned}
    $$

    ## STEEL PARTS CABINET

    ## 6 Drawer $4^{98}$

    

    Model 18EA. A very handy parts cabinet, perfect for home and Industrial applica tions. Holds anything from hardware to small tools. "Roll out" compartment for easy access to the smallest item. Drawer
     all size $9^{\prime} \times 10^{\prime \prime} \times 6^{\prime \prime}$. Wt. $53 / 4 \mathrm{tbs}$.
    13 H 7620

    As Low As
    
    

    - Deep Drawers

    Steel frame cabinets are $9^{\circ \prime} \mathrm{Hx} 6^{\circ} \mathrm{D}$. Crystal clear drawers, $5 \frac{1}{4} 4^{\prime \prime} \times 2^{\prime \prime} \times 23 / 4^{\prime \prime}$.

    | Stock Mo, | model | No. <br> ofrs. | Cam <br> inet <br> W | Wi. | Met <br> ea. |
    | :--- | :---: | :---: | :---: | :---: | :---: |
    | 13 H7618 | 18FA | 12 | $10^{\prime \prime}$ | $41 / 2$ | 4.30 |
    | 13 H 7619 | 2AFA | 16 | $13^{\prime \prime}$ | $61 / 2$ | 5.63 |

    ## PORTABLE LOCKING CABINET

    ## 13 Drawer

    $5^{60}$
    

    Model 18PA, Chip-proof welded steel frame provides safe storage and transport for many items. Locking steel door prevents theft and spllied items. Keyhole slots for hanging. Diawer size: $12 @ 14 / 4^{\prime \prime} \times 21 / 4^{" 1} \times$ $574^{\prime \prime}, 1$ jumbo drawer $21 / 2^{\prime \prime} \times 81 / 4^{\prime \prime}$. Overall size $10^{\prime \prime} \times 9^{\prime \prime} \times 6^{\prime \prime}$. With carrying handie. Shpg. wt., $5 \frac{1}{4}$ lbs.
    13 H 7621
    Net 5.60

    ## TRANSPARENT UTILITY BOXES

    | Stock No. | Dimensions | Com. part. | mt. | E. |
    | :---: | :---: | :---: | :---: | :---: |
    | 14 H 6602 | 8 87x41/6114" | 6 | 701. | 49 |
    | 14 H 6603 | 6\%/8×33/611/9" | 9 | 502. | . 39 |
    | 14 H6604 | $8 \%_{2} \times 41 / 8 \times 11 / 4^{\prime \prime}$ | 12 | 702. | . 49 |
    | 14 H 6605 |  | 18 | 1701. | 1.25 |

    

    - 5 Basic Powertools In One Compact Unit
    - Jig Saw-Disc Sander-Bench Grinder-Buffing Wheel-Flexible Shaft
    - Powered By Ball-Bearing 3450 RPM Rotary Motor Lightweight, compact portable mult-purpose workshop with $15^{\circ}$ ilg saw. Flexible accessory shaft attaches directly to power takeoff from motor for drilling, grinding, routing. sharpening, deburring and carving: has oilless bronze bearAccessories include: 3 -sanding discs, grinding wheel, cloth buffing wheel, wire brush wheel, wheel guard mounting bracket, 12 -piece set, and 4 -saw blades. U.L. Listed. 117V, 60 cps AC. Shpg., wi, 18 lbs
    14 H 4306 w 55 monthly Net 39.95

    PISTOL GRIP FLEXISHAFT HOBBY TOOL WITH VARIABLE SPEED FOOT CONTROL
    

    Ideal for all grinding, polishing, drilling, butting and engraving. The powerful 1 amp, motor dellvers 5000 RPM at full load and 15,000 RPM at no load and has permanent ollitesbearings. The pistol-grip flexible shaft will accommodate shanks up to $1 / 4^{\prime \prime}$ diameter and accepts all $1 / 4^{\prime \prime}$ drills. The foot control has a variable speed from 0 to maximum speed of the motor. Shor. wt., 4 lbs.
    

    - Pistol-Grip 36" Flexible Shaft
    - $1 / 15$ th H.P. Hobby Motor
    - Variable Speed Foot Control

    Flexible shaft and motor combination for all grinding, polishing, drilting, buffing, and engraving. 1 amp. motor delivers power for continuous use. Light weight finger tip control. $36^{\circ}$ flexible shaft is a sealed unit. Chuck accommodates Yrand and $_{1 / 3}$ th in. tool shanks. $110 / 120 \mathrm{~V}$ AC or DC, ShDe. wt., 3 lbs.
    13 H 5008 M $\qquad$ Motor only. Shpg. wt., $11 / 2 \mathrm{Jbs}$. 19 M 2410 $\qquad$

    Net 7.30
    Net 5.95
    FLEXISHAFT HOBBY TOOL

    - Powerful-versatile - Hi speed-hi torque
    

    Regulate the speed of the motor in your sewing machine, hobby tool etc. Handles up to 110
    watts. $10 . \mathrm{ft}$. cord with 2 -way outlet-for motor and light. I amp.
    12 N 5401 Shpg. wt., $11 / 2 \mathrm{lbs}$. $\qquad$ Nel 2.95 Tools Are Available on Easy Pay Plan-No Money Down

    # UNIMAT Miniature Machine Shop 

    ## THE ALL.PURPOSE 5-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
    SPECIFICATIONS: Complete $5 \cdot$ in 1 machine shop small enough to use on a radio serviceman's bench. Designed as a multi-functional power tool. 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 portable hand drill, power grinder or buffer. Extra attachments available include a very accurate circular saw, saber and jlg saw, flexible shaft, lathe bed power feed, threading attachment, prectsion collets and cutting tools. Belt drive provides 11 speeds ranging from 900 to 7,200 RPM. Motor can also be controlled by rheostat foot switch or SCR power supply.
    Includes $1 / 10$ HP Brush Type fan cooled motor, drill press arm, column and hand lever, face plate, lathe dog, grindstone arbor, fool post 2 dead centers, $1 / 4^{\text {n }}$ Jacobs chuck and key. Allen wrench roughing tool blt, and a spindle return sping. $171 / 2 \times 101 / 2 \times 53 / 4{ }^{\prime \prime}$ wood chest. 40 page manual. For $115 V$ AC/DC operation. Imported. Shpg. wt. 30 lbs
    14 H 1014WX \$7.50 Monthly
    Net 139.50


    ## UNIMAT ATTACHMENTS AND ACCESSORIES

    Model D8-1001 3 jaw unlversal lathe chuck with reversing jaws, key and back plate. Shpg. wt., 1 ib
    14 H 1013WX
    Model OB-1210 Milling Table
    14 H 1002 Shpg. wt. 3 lbs. bs.
    $5^{\prime} \times 3^{\prime \prime}$ with clamps.
    Net 25.15
    14 H 1002 Shpg. wt. 3 los.
    Net 12.50
    Model DB-1010 Machine Vise: jaws open $146^{\circ}$. Mounts cross slide or mill table.
    14 H 1003 Shpg. wt., $11 / 2 \mathrm{lbs}$. $\qquad$ Net 9.50
    Model DB-1100: Sot of 6 Lathe Tool Bits
    14 H 1005

    Model OB-1130 Tool Kit: 2 tool bits, 4 drills, 2 grind wheels, 2 milling cutters, center drill and countersink blts, 2 chisels, boxed. 14 H 1004 Shpg. wt., $11 / 2$ lbs.

    Net 16.95
    Model DB-1290 Power Feed Attach: 1:50 reduction, feeds . $0008^{\circ}$ per revolution.
    14 H 1006 Shpg. wt., 7 lbs. $\qquad$ Net 19.95
    Madel OR-1002 4-Jaw Independent Chuck; capacity 21/4* 14 H 1007 Net 23.90 Model OB-1080 JIg Saw Attach. Cuts to center of $16^{\prime \prime}$ clrcle. 12 blades incl.
    14 H 1011 Shpg. wt., 61/2 lbs.

    ## Sabre-Lathe Multi-Purpose Shop Tool

    

    ## ONLY <br> $29^{95}$

    ## It's a...

    Wood Turning lathe
    Sabre Jig Saw
    Bench Grinder

    Dise or Drum Sander Buffing or Polishing Horizontal Drill

    A home shop tool that will excite the interest of every home craftsman! Powerful, 3-speed motor provides plenty of drive for every operation... unit changes for any purpose in just seconds. Complete with wood turning chisel, sanding discs, sanding drum discs, 3 sabre saw blades, $45^{\circ}$ adjustable sanding table. Entire unit is mounted on wooden base for easy portability and stabllity. Lathe has $18^{*}$ bed, $4^{*}$ 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 rpm. With illustrated instruction booklet. Mounted on $32^{\prime \prime} \times 6^{\prime \prime}$ board.
    13 H 3650w Shpg. wt., 16 lbs
    Net 29.95

    ## BVI ELECTRIC PENCIL

    

    - Writes On Metal-WoodPlastic
    - No Heat-Vibrating Point Engraves Keys-Tools-Toys-Jewelry
    

    Mandy, useful... mark, identify and engrave names, design decorator effects on luggage tags, toys, sporting goods, tools and kitchenware. Automatic with bullt-in mercury switch. You pick it up-it turns on. Put it down and it turns off. Easy as a pencil. Marks won't erase, smear or rub off. Tough hardened steel point vibrates $\mathbf{7 2 0 0}$ strokes a minute, Lightweight. $7 \times 3 \times 2^{\text {²}} .110 \mathrm{~V}, 50-60$ cycle AC motor. Shpg. wt., 5 lbs. 13 H 8054

    Net 6.50

    # Vises For Workshop And Industry 

    

    This favorite machinist vise swivels full $360^{\circ}$. Geared bolt and base plate sive positive lock against sllppage. Removable hardened plpe jaws open to $41 / \mathrm{B}^{\prime \prime} ;$ securely fastened with drive pins; plated screw bar. Steel handle balls forged from handle stock. Precision machined malleable iron castings Self-lubricating graphite bronze bearing mported. Shpg. wt., $141 / 3 \mathrm{lbs}$.
    13 H 5589
    

    Ideal for many uses. All the features of a regular vise - plus - locks In any position just tighten jaws. Turns to any work position Use standing or laid flat-turns 360 degrees either way--versatlie. Larger jaw surfaces$31 / 2 \times 21 / 2^{-}$-plus easlly removable pipe jaws. Jaws open a wide 5 inches. Shpg. wt. 17 lbs 14 H 8101 $\qquad$ Net 12.30
    IIt Adapter. Adds tilt adjustments for holding work at any angle.
    14 H 8102 Shpg. wt. $21 / 2$ lbs $\qquad$ Net 2.39
    

    3" MACHINIST VISE SWIVEL-BASE
    A sturdy, rellable, swivel base vise for tool room, home or shop jabs. Three inch laws; $3^{\text {m }}$ opening. Swivel base permits $360^{\circ}$ degree revolutlon. Locks in any position. Anvil back. Well made of malleable Iron castings. Hardened tool steel jaw faces. ldeal for carpentry, sanding sawing, tool sharpening, carving. Compiete with fixed pipe laws. Imported. Shpg. wt., 10 lbs.
    13 H 5590
    Net 3.95
    

    SWIVEL CLAMP.
    ON VISE
    $1^{79}$
    $21 / 2^{\prime \prime}$ 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, polished and lacquered. Unexcelled for ordinary jobs in shop, home or garage. Bright enamel finish. Shpg. wt., $34 / 2$ lbs. imported.
    13 H 5515
    Net 1.79
    

    WITH 2 JAWS, $11 / 2^{\prime \prime}$ AND 21/2"

    ## PORTABLE VACUUM VISE

    No clamps, no screws! Vacuum power holds vise securely on any non-porus surface. Use it on formica, ilnoleum, metal, porcelain or any painted smooth finish surface. Anvil back, 2 jaws. $11 / 2^{\prime \prime}$ and $21 / 2^{\prime \prime}$ open to $21 /{ }^{\prime \prime}$ inches. $360^{\circ}$ rotation swivelhead. Easy to use vacuum action and Jaw controls. For nobbyist, repairman. Imported.
    13 H 5591 Shpg. wt., $41 / 2 \mathrm{lbs}$. __. Net 5.49
    

    For small sub-assemblies and intricate electronic work Including printed circuits. Rubber protected jaws are $21 / 0^{\circ} \mathrm{W}$ with a $61 / 9^{*}$ opening. PowRarm positioner offers superior positive lock and fast on-off action with horizontal handle. Shpg. wt., 3 lbs.
    14 H 8002 $\qquad$ Net 13.80
    Model 352. As above, less positioner.
    14 H 8003 Shpg. wt, 2 lbs. ....... Net 7.49

    ## 4 TOOLS IN ONE

    - For Experimenters-Servicemen-Shops
    - Clean Smooth Bends
    - Forms Us To $90^{\circ}$
    - 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 $1^{\text {m }}$ 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., 14 lbs.
    99 H 8064 WX
    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, cutting, giueing, nalling, etc. Sturdy die-cast aluminum. Chrome plated T-slide bars. Shpg. wt. $3 / 4 \mathrm{lbs}$. 14 H 7011

    Net . 90
    

    ## (A) HAND VISE

    The only practical way to grip and hold small parts. $11 / 4^{\prime \prime}$ die cast jaws open to $7 / 8^{\circ}$. Mounted on a $4^{\text {. comfortable fer. }}$ ruled wooden handle. Holds work for drilling, marking, filling, sawing, etc. Endless uses in handiwork. Shpg, wi., 1 lb . uses in ha
    13 H 5534

    Net 65

    ## (B) PIN VISE

    Has standard $1 / 4^{\prime \prime}$ chucks with 3 hardened jaws. Chuck opening from $0^{*}$ to $1 / 4^{*}$. Set on "easy-grip" ferruled wood handle 4" long. Holds small drills, reamers, screw Sits, files, etc. A "natural" for the hobbyIst and craftsman. Shpg. wto, $1 / 2 \mathrm{lb}$. 14 H 6120

    Net .65

    ## FOR INOUSTRIALS, EXPERIMENTERS, REPAIR SHOPS,

    MODEL WORKERS, SCHOOL SHOPS, HOME WORK SHOPS

    Punches - Shears - Rivets - Forms An ideal tool for plant, shop or home use. Used extensively in industrial plants on small jobs. Handes stock up to $1^{\prime \prime}$ wide to 16 gauge. Punches clean, sharp, smooth, burr-free holes - up to 1 " from edge - $1 / 3^{\circ}, K_{2}^{\prime \prime \prime}, K_{10 \prime}^{\prime \prime}, 1 / 2_{2 " 1}$ and $1 / 4^{\prime \prime}$ round. 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 thick ness of $3 \mathrm{~m}^{\circ}$. Shpg. wt., 15 lbs.
    14 M 1101
    Net 9.95
    EXTRA PUNCH SETS
    Avg. shpg. wt., 402
    14 H 1102 Hex $-3 / 16^{\prime \prime}, 1 / 8^{\circ}$ and $1 / 4^{*}$
    Net 1.50
    14 M 1103 Square- $1 / 8^{-}$and $3 / 16^{\circ}$ Net . 95
    14 H 1104 Rectanzular- $1 / 8^{\circ} \times 3 / 16^{\prime \prime}$ and $1 / 8^{\prime \prime} \times 1 / 4^{\prime \prime}$. Net . 95
    

    ## HIGH QUALITY CLAMP SETS

    Durably made of malleable tool steel. Avallable in $1^{\prime \prime}, 212^{\prime \prime \prime}$, and $3^{\prime \prime}$ jaw sizes. In sets as follows: $1-3^{\prime \prime}$ and $1-1^{\prime \prime}$ clamp or $1-242^{\prime \prime}$ and 2-1" clamps.
    $1-3^{\circ \prime}$ and $1-1^{\prime \prime}$ clamp. Shpg. wt., 2002.
    14 H 6121 Net .59
    $1-21 / 2^{\prime \prime}$ and $2 \cdot 1^{\prime \prime}$ clamps. Shpg. wt., 18 oz.
    14 H 6122 Net 69
    

    Easily operated nand "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 destgn - angle - radius. Follows scribe lines easily. Best possible tool for cutting template and model parts. Shpg, wt., 8 ozs.
    14 H 1205
    Net 4.15
    Replacement punch for above
    14 H 1206

    # Precision Tools For Hobby-Industry by wacto 

    KNIFE AND TOOL SET
    $9^{95}$

    CORDLESS POWER DRILL SET

    Model 84 knife and tool set. Everything you need for a complete wood carving workshop. Contains numbers 1, 2, and 5 knives and an entire assort. ment of blades, gouges, routers and punches. Has X-acto planer, 1" 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. Shpg. wt, $21 / 2 \mathrm{lbs}$ 13 H 7473

    Net 9.95

    ## KNIFE CHEST

    

    Handy knife chest comes complete with X-Acto nos. 1, 2, and 5 knives plus 9 assorted extra blades. Chest has a natural wood finish. Shpg. wt., $1 / 1 \mathrm{tb}$.
    13 H 7416
    Ne 14.25
    

    Extremely handy and completely safe pocket knife. When not in use, blade slides into handle to facilitate easy withdrawal and positive cutting action. Shpg. wt., 4 oz.
    13 H 7401
    Net 1.10
    

    Replacement blades that fit all X-ACTO tools listed above. Avg. shpg. wt., 201.
    No. 10 for smali, fine cutting or carving.
    13 H 7406 \# 10, pkg. of 5 Net 54 No. 11 for tine angle cutting: deep cuts, narrow spots.
    13 H 7407 \#11, pkg. of $5 \ldots$ Net .54
    No. 16 for small holes, notches, sfencils-in thin materials.
    $13 \mathrm{H} 7408 \$ 16$, pkg. of 5
    Net .54
    No. 19 Broad blade for light chiseling, rough shaping.
    12 H 7409 \# 19, pkg. of $5 \ldots$ Net .54 No. 22 for long cuts, close corner cutting, whittling.
    13 H 7410 \#22, pkg. of 5 Net . 54
    No. 23x Double-edged for ciose quarters, angled corners.
    13 H 7411 \# 23 X , pkg. of 5 $\qquad$ Net .67 No. 24 for close corner cuts: templates, mats, trimming.
    13 H 7412 \#24, pkg. of 5 $\qquad$ Net .54 No. 25 for carving, whittling, heavy cutting. 13 H 7413 \#25, pkg. of. 5 Net .54

    Net .54
    

    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 flles and a 1 knife. Shpg. wt., 1/2 lb.
    13 H 7421
    Net 5.39

    ## RAZOR SAW BLADES

    As Low As

    ## 39c

    ## - For Fine, Accurate Cutting

    Razor saws for fine and accurate cross-cutIng. trimming and notching of metal, wood and plastic. When mounted in handle, blade with angled shank provides longer tool reach and prevents barking of knuckles (overall length of $91 / 2^{\circ}$ ). Shpg. wt.. 202 .
    13 H 7418 \#34, $3 / 4$ " wide Net ea. . 39
    13 H 7419 \#35, 1" wide Net ea. . 45

    ## MICRO-SAW BLADE

    

    ## - Satin-Smooth Cutting

    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 \#l handle. Makes fine delicate work extraeasy. Package of 5. Shpg. wt., 202. 13 H 7422

    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 H 7417 Shpg. wt., $1 / 2$ lb.
    Net 3.59
    

    Specially designed as a multiple.service tool for small assembly work; picks up and securely holds smali parts for soldering or other operations. By pushing the locking key forward, the jaws are automatically locked. Ruggediy constructed with case-hardened steel jaws. Overall length is $51 / \mathrm{s}^{\prime \prime}$.
    3 H 7420 Shpg. wt., $1 / 2 \mathrm{lb}$.
    Net 3.15
    PRÉCISION TOOLS

    ## No. 1 No. 2 Nonn+

    

    ## No. 3-ST

    No. 5
    X-ACTO interchangeable-blade, precision knives for: carving, cutting, hollowing, scribing, stripping, trimming, etc. Heavy-duty handes for rugged service. Avg. shpg, wt., 2 oz.
    No. I Knife-for light to medium work. Alum. inum handle ( $5^{\prime \prime}$ long, $5 / 16^{\prime \prime}$ dia.) complete with No. 11 blade.
    13 H 7402 (\#1)
    Net ea. . 59
    No. 2 Knife - for medium to heavy work. Aluminum hande ( $5^{\prime \prime}$ long, $7 / 16^{\prime \prime}$ dia.) complete with No. 22 blade.
    13 H 7403 (\#2)
    Nel ea. . 72
    No. 3-5T Pen-Knife-Clips to pocket. Com. plete with No. 10 blade. Length closed- $51 / a^{\prime \prime}$ Also accommodates No. 11 and 16 blades.
    13 H 7404
    Net ea. 89
    Ne. 5 Knife-For heavy work. Plastic handle with metal blade lock ( $43 / 4$ - Iong), complete with No. 19 blade.
    13 H 7405 (\#5)
    Net ea. 1.10
    

    ## SUPER POWER HEAVY DUTY SABRE JIG SAW

    - Cuts Metal, Wood, Plastic • Cuts up to 6" in Wood Capable of handing dozens of cutting jobs with ease. Use as rip, cross-cut, coping or keyhole saw. Powerful, precision 3.5 amp motor for greater accuracy less work. Cuts un to $6^{\prime \prime}$ in wood! Also cuts plastics, metals, and most other materials. Extra large adjustable base enables accurate bevel cuts up to $45^{\circ}$ angle. Sawdust blower removes sawdust as you cut. Makes its own starting hole. 4800 strokes per minute. Complete with 5 blade assortment and 3. wire 6 ft , rubber covered cord, for 115 volts AC.DC. UL and CSA listed. Shpg. Wt., $41 / 4 \mathrm{lbs}$.


    ## 14 H 4806 <br> Net 19.95 <br> VARIABLE SPEED CONTROL SABRE JIG-SAW - Powered with G.E. Motor - Cuts thru $6 \times 6^{\prime \prime}$ Logs

    Electronic varlable speed control lets you use this one tool for any cutting job, Cuts through $6^{\prime \prime}$ logs, $6 \times 6^{-1}$ lumber, metal pipe, masonite - practicaliy any material - yet does accurate culting of intricate patterns. Makes its own starting hole, Vary speed from 0-48no S.P.M. with maximum cutting power at every speed. Low speed for steet and plastics, medium for non-ferrous metals, high for rip or cross-cut. Bevel cuts to $45^{\circ}$. Features a $1 / 3 \mathrm{HP}$ General Electric motor, and saw dust blower. With $6^{\circ} 3$-cond cord. 5 assorted blades and rip rauge, for 115 VAC . UL listed. Shpe. wt., $42 / 2 \mathrm{lbs}$. 14 H $4805 \$ 5$ Monthly

    Net 26,95

    ## fury SABRE SAW

    ## - 3500 Strokes Per Minute - 0 to $45^{\circ}$ Angle Cuts <br> - Adjustable Rip \& Mitre Gauge

    Model Fs. A rugged, multi-purpose sabre saw. Easily cuts $2 \times 4$ 's, ply. wood, plastic, composition board. aluminum and a host of other materials. Has many uses-rip, crosscut, Jig saw, hack saw, band, coping, keyhole and scroll saws, Operates on 115 volts, $A C$ or $O C$. Powerful $1 / 4$ H.P. universal motor oderates at 3500 strokes der minute, Length of stroke is "/h". Built-in cooling system, Long-life on-off slideswitch. Has adjustable base. Cuts on angles from zero to $45^{\circ}$. 3 assorted blades, 2.4 amps . Shpg. wt., 4 lbs.

    ## 13 H 7116

    Net 12.95
    13 H 7117 Pkg. of 6 wood cutting blades
    Net 1.49 Net 1.10

    ## : f: $:$ : HIOPDELUXE 2-SPEED <br> - Dual Speed

    - Powerful $1 / 4$ HP Motor
    - 0-45 Angle Cuts

    Model U-255S. Handy tool for homeowner hobbyist and shopowner, Cuts "big" jobs in half, Quickly and easily makes straight cuts in wood, metal, plastics and other modern material. Makes rio and pocket cuts. Tilting shoe for bevel cuts. Nylon shoe insert prevents splintering upper wood surfaces, Includes rough wood cutting and fine wood cutting blades: hex wrench-key and wrench-key holder. Capacitv: $1^{\prime \prime}$ hardwood. $2^{\prime \prime}$ softwood. High spepd 3000 SPM; Low speed 2500 SPM at $5 / \mathbf{g}^{\prime \prime}$ strokes. Ouallty construction with easy grip handle for greatest maneuverability. Powerful $1 / 4 \mathrm{HP}$ motor will glve lons trouble free use, For 115 volts AC 60 cycles; 2.5 amps. UL listed. Shog, wt., $61 / 2$ Hs.
    12 H 6859 \$5 Monthly
    Net 29.99

    ## WEN

    ## ALL-SAW

    ## Heavy-Duty 1/2 HP Motor

    Model 909. "Souped-up" heavy duty-fast cutting - 2/2 HP saw for every kind of sawing. Cuts metals up to $1 / 2^{\prime \prime}$. Cuts pipe and thin wall up to $\mathbf{2}^{\prime \prime}$. Cuts curves, circles, and stralght lines. Cuts $2 \times 4$ 's, $4 \times 4$ 's and 6x6's. Makes its own starting holes. Motor fan blows air stream over work to keep the guide free of sawdust. Complete with 7 blades designed for all sorts of regular and speclal cutting. Powerful 6 amp 110 VAC motor. $34001^{\prime \prime}$ SPM. UL listed. 13 H 6501 Shpg, wt., 9 lbs. $\$ 5$ Monthly

    Net 32.97

    ## WEN 909 ACCESSORIES

    SAW TABLE FOR WEN ALL-SAW Heavy duty, rugged table for straight cuts, circle. curve, bevel, and angle cuts, Size: $18 \times 18 \times 81 / 2$ ". 13 H 6505 Shpg. wt., 14 lbs.

    Net 11.21

    ## EXTRA BLADES FOR "909"

    Rough work blades of high carbon, high chrome steel. Metal cutting blades of high speed steel. Average shpg. wt., 1402.

    13 H $65061 / 2 \times 7 \times 1 / 2^{\prime \prime}$ - Very fast rough cuts, pkR, of 3 13 H $65072 / 2 \times 31 / 2^{\prime \prime}$ - Fast rough cuts, pkg. of 3 13 H 6508 K. $\times 23 /$ "" $^{\prime \prime}$ - Medlum cuts, pkg. of 3 13 H 6509 zu $\times 21 / 2^{\prime \prime}$ - Fine scroll cuts, phg, of 3 13 H $6511 \%_{0} \times 3 y_{4}^{\prime \prime \prime}$ - High speed steel, pkg. of 3 13 H 5512 K. $\times 31 / 4$ "- High speed, extra fine, pkg. of 13 H 6513 One each of above blades, pkg, of 7

    Net 1.26
    Net 1.05 Net 1.05
    Net .04 Net . 84 Net 1.26 Net 1.26 Net 1.26
    Net 2.38
    
     close-up to trees, foundations, and fences. Turning handie converts unit Into a powerful edger. Features $6^{\prime \prime}$ tempered spring steel blade, diecast aluminum housing, side grip, finger tip push button switch on handle, fully adjustable trimming height, and oiled. for-llfe bronze bearings. Requires 115 volt 50.60 cycles, 3 amp . AC motor. Shor. wt.. $91 / 2$.
    

    The fast, labor saving way to trim hedges, shrubs and bushes. Deluxe "Roll-Bar" handle allows maximum comfort and safely adjusts for any angle cut. 2-cutting edges, each with 16 -teeth-cuts $12^{\prime \prime}$ swath in either direction. $13^{\text {² }}$ blade culs 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. $2.6 \mathrm{amp}, 115$ volt, $50 / 60$ cycle AC motor. Shpg. wt., 6 lbs.
    13 H 3653
    Net 18.95

    13 H 3654W
    Net 16.95

    ## Power Tools for Home, Garden and Shop

    

    Model 946

    ## 42/2" BENCH GRINDER

    - $1 / 4$ H.P. Motor
    - Two Grinding Wheels - Protective Eye Shields

    Model 946: Ideal for light to medium-duty work in shop and home. 2.5 amp motor has no-load speed of 3450 rpm . Features heary-duty steel wheel guards; adjustable tool rests; bulit-in front water 2001 ing tray; castin tool parts tray. Two $41 / 2 \times 1 / 2^{\prime \prime}$ wheels fone 40 -grit, one 70 -grit). 6 ft. 3 -wire cord. U.L. Industrial rated and CSA listed. 115 V AC. Shpg. wt., 11 lbs . 13 H 5312 Net 16.95

    ## 6" HEAVY-DUTY BENCH GRINDER

    Model 923: Heavier Speed Grinder for the blgrer jobs. Features a powerful, trouble-free $1 / 4$ H.P. shaded poie motor with 3450 rpm no-load speed. Extra-large, self-allgning, self-olling bearings; heavy-duty removable steel end shields; eye shields; heavy-duty toggle switch; special die-cast tool rests with angle guides. Two $6^{\circ} \times 3 / 4^{\prime \prime}$ grinding wheels with $1 / 2^{\prime \prime}$ center holes (one $46-g r i t$, one 75 -grit). 6 -ft. 3 -wire cord. U.L. Industrial rated and CSA listed. $115 \mathrm{~V}, 60$-cycle AC.
    13 H 5320 Wx Shpg. wt., 25 lbs $\qquad$ Net 28.50
    Model 927. Same as above with 1/3 HP motor. Shpg. wt., 26 lbs. 13 H 5323WX Net 33.95

    ## DELUXE VARIABLE

    MOTOR SPEED CONTROL- Varies Speed on AC.DC

    Motors From 0 RPM
    To Full Speed

    - Ideal For Electric Drills,

    Saws, Polishers
    Perfect for all workshop power tools and home appliances. Use with drills to start holes, saws to extend blade life, polishing at low speeds etc. 3 -position switch, Variable, OFF and Full permits maximum speed control, with Universal ( $A C-D C$ ) or DC motors rated to 8 amps. Has automatic breaker surge protection. Input 120 V AC only, 3 wire line cord. Black aluminum case, $45 / 8 \times 21 / 2 \mathrm{~W} \times 21 / 0^{\prime \prime} \mathrm{D}$. Shpg. wt. 1 lb .
    13 म 2701 $\qquad$ Net 11.95
    

    ## 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! Versatile! Sharpens everything from razor blades to plowshares. Safety belt falls harmlessly to bench if it snaps. Table size: $19^{\prime \prime}$ high. With $1^{\prime \prime} \times 42^{*}$ abrasive belt, 50 grit. Wt. 11 lbs.
    12 H 1650 Less Motor Net 19.95
    12 H 185150 Grit, Heavy _n Net 12 H 1152120 Grit, Medium _ Net . 69 12 H 1853270 Grit. Fine ..... Net .69


    ## VARIABLE MOTOR SPEED CONTROL

    - Varies Speed on AC-DC Motors From O RPM To Full Speed - Ideal For Electric Drills. Saws, Polishers
    Dependable motor speed control ideal for workshop power tools using universal AC-DC and series DC motors. Assures constant speed variation from zero rpm to maximum speed. Has bullt-in clrcult breaker. 7.5 amps noload rating. Input: 120 volts $50-60$ cycles AC. 3 -wire receptacle and line cord. 13 H 2700 Wt., 1 lb .
    


    ## 

    ## $10^{95}$

    ## HUSKY $3 / \mathrm{B}^{\prime \prime}$ DRILL

    - 3 AMP UL Listed
    - Auxiliary Left or Right Handle
    - Double Reduction Gears
    

    A rugged, powerful 3 "" drill for tough drilling jobs around the house and shop. Features double reduction gears for maximum torque. No load speed 1000 rpm . Capacity $7 \mathbf{/ 8}^{\prime \prime}$ in steel, $1^{\prime \prime}$ in wood. Ball thrust bearing takes the full drilling load. Weided com mutator leads prevent motor burnout. Geared key chuck, 3 -conductor power cord. Bright finish. For $117 \mathrm{VAC}, 50-60 \mathrm{cps}$. 13 H 3655 Shpg, wt. 4 lbs.

    Net 10.95

    ## viank fury

    ## $1 / 4^{\prime \prime}$ DRILL

    - 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 listed. $1 / 4^{" c}$ capacity in steel, $1 / 2^{\prime \prime}$ in hardwood. 1200 RPM speed under full toad; 2000 RPM no-load speed. Precision anti-friction bearings. Automatic trigger switch. Specially designed gear train for maximum torque transfer. For 115 volts. AC/DC. Shpg. wt., 3 lbs.
    13 H 7101
    Net 7.95
    

    - Uses Double Reduction Gear System
    - Drills through Metal, Plastic, Wood \& Masonry

    Model U-124 Heavy duty capacity $\mathbf{F b}^{\prime \prime}$ drill incorporates a double reduction gear that permilts a wide range of drilling needs. Perfect 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 V AC. Shpg, wt., 5 lbs. 12 H 6850

    Net 13.99
    

    - UL Listed 2.6 Amp Motor
    - Multiple Thrust Bearings
    

    Model. V.F-4 Ram-A-Matic fingertlp trigger speed control with ample power, for home or shop. No gears to change. The more pressure applied to the trigger the faster it turns. Choose the right speed for every range of work. 0 to 1000 rpm full load speed. Cool running multiple thrust bearings for long trouble free life. Rugged air cooled heavy duty motor rated at 2.6 amps. Heavy duty 6 foot 3 conductor wire and plug, Drills up to $3 / 4^{\prime \prime}$ in wood and $3 \mathrm{~m}^{\prime \prime}$ in steel. 115V. AC-DC.

    ## Black

    $\varepsilon$ Decker.
    ## $9^{99}$

    ## 1/4" DRILL

    - Perfect for Home or Shop
    - 2250 R.P.M. Motor
    - Jacobs Geared Chuck \& Key

    Bhodel 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 job, big or small. Sure grip handle eilminates wrist strain. 3 wire cord and plug for safe use anywhere, UL listed, operates on 115 V AC. Shpg. wt., $41 / 2 \mathrm{lbs}$.
    12 H 6851
     High quality 1.5 amp . motor will not burn out-welded commutator leads and new
    high temperature resistant insulation permanently protects the arma. ture, No wire windings in stator, guaranteed for life! 1200 rpm , no load; full load 900 rpm . Uses full wave diode system for constant service and industrial use; shock-proof gearing and splined armature shaft, with 8 ft . 3 -wire cord. UL., CSA Ilsted, Overall length, $6 \%{ }^{\circ}$. For 117 v, 25-60 cycles AC. Shpg. wt., 2 lbs,
    13 H 5316
    $\$ 5$ Monthly
    Net 34.95

    # ADJUSTABLE SPEED-REVERSING DRIVE-R-DRILLS 

    With Trigger Speed Control

    Operates At Any Speed Forward And Reverse

    ## NOW! with Adjustable locking variable speed control

    DRIVES - DRILLS - PLUS

    - Burn-out Protected Motor
    - UL Industrially Listed

    Nowl with adjustable locking variable speed control which can be locked at any speed elther in forward or reverse. Unique, all-purpose drills which can tackle most any drilling job with precision and accuracy. Just squeeze the trigger for any drilling speed from 0 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 sool has powerful burnout protected motor, high torque helleal gears and geared key chuck. Locking button for sustained operation. Lightweight aluml. num housing. With 6 ft. 3 -wire cord and plug. For 115 v., 60 cycles AC. U.L. IIsted.

    ## 1/4" ADJUSTABLE DRIVE-R-DRILL

    Model 596.5 rated at $2.5 \mathrm{amps}, 0-2000 \mathrm{rpm}$ Forward/Reverse. Capacity $1 / 4^{\prime \prime}$ in steel, $1 / 2^{\prime \prime}$ in wood. Shpg. wt., 4 lbs. 13 H 6931

    Net 2988

    Model 501TSC. Similar to above, less re. versing and adjustable locking control. 0 2000 rpm forward. Shpg. wt., 4 lbs 13 H 6901

    3/8" ADJUSTABLE DRIVE-R-DRILL
    Model 597.5 drill has extra capacity chuck: 0.1000 rpm . forward/reverse 3 .amp motor. Double reduction gears. Capacity: $3 / 6{ }^{\mathbf{m}}$ in steel, $3 /{ }^{\text {" }}$ in wood. Removable hande. Shps.

    13 in 6932 . $\$ 5$ monthly .... Net 36.88 Model $56975 C$. Similar to above, less reversing and adjustable locking control. 0 . 1000 rpm forward. Shpg. wt., $4 \frac{1}{2}$ lbs.
    wt. $42 / 2$ lbs.

    13 H 6917

    ## WEN <br> 4-SPEED $1 / 2^{\prime \prime}$ <br> REVERSIBLE DRILL

    With Double Reduction Gears
    
    

    Trigger Speed Control

    1/2" ADJUSTABLE DRIVE-R-DRILL
    Model 598-5 Heavy-duty-deluxe 3 amp 0.750 rpm forward/reverse, no load speed. Heavyduty double-reduction gears multithrust bearings. Capacity: $1 / 2^{\prime \prime \prime}$ in steel. $11 / 4^{\prime \prime}$ in wood. Removable handle. Shipg. wi., 5 lbs. 13 H 6933 \$5 monthly ...... Net 39.86 Model 545TSC. Similar to above, less reversing and adjustable locking control, 0.750 rpm forward. Shpg. wt., 5 lbs. 13 H 6919

    Net 27.88

    HEAVY-DUTY $1 / 2$ INCH REVERSIBLE
    

    - Multiple Speeds from 340 to 2400 RPM
    - Powerful 6 Amp. 1/2 HP Burnout-Proof Motor
    - Double Reduction Gears for Super Torque
    * UL and CSA Industrially Rated for Continuous Use 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 or size of hole. Exclusive reversing on all 4 speeds permits you to back out from ex. tremely dense materials. Welded bumout-proof armature will not fail if overheated. Special double reduction kears deliver hi-torque required for heavy jobs. Powerful gear train, plus trigger switch that locks in place for extended operation. Precision Jacobs geared chuck and key. Polished die cast aluminum housing is balanced for continuous operation. 120 V . AC/DC with 3 wire cord. UL and CSA listed. Size: $11 \times 81 / 2 \times 312^{\prime \prime}$. Shpg. wt., 9 lbs.

    Net 32.97

    - New Compact Design
    - Multiple Ball Thrust Bearing
    - $550 \mathrm{rpm}-3.5$ AMP Motor

    New! Compact $1 / 2$ HP power drill featuring "Reversible" hi-forque 3.5 amp motor for all types of heavy and light drilling jobs. Dynamically balanced and equipped with ball thrust bearings and micro-machined alloy gears for vibration-free, cool and quiet operation. Jacobs geared keyed chuck. top assist handle and rear spade grip handle for greater control. Housed in mirror-finish polished aluminum casing. Capacity $1 / 2^{\prime \prime}$ in steel, $2^{\prime \prime}$ in hardwood. Speed 550 rom forward and reverse. Automatic trigger release. UL and CSA listed. Complete with 6 ft ., 3 -conductor cord. $117 \mathrm{~V}, \mathrm{AC} / \mathrm{DC}$, up to 60 cps . Shpg. wt., $51 / 2 \mathrm{lbs}$.
    $14 \mathrm{H} 4 \mathrm{H}_{14}$

    ## 6-PC. SCREWDRIVER BIT SET

    Versatlle set provides a variety of bits and finders to speed-up assembly and service work. For stotted and Phillips head screws. Kit includes 3 -stotted bits and finders for screw sizes $6-8,8-10,810-12 ;$ 3-Phillps blts No.'s $1.2,83$. All have $1 / 4$ "Hex shank. Shpg wt., $1 / 2 \mathrm{lb}$. 14 H 7504

    Converts Any variable Speed Drill To A Power Screwdriver

    - For All Electric Screwdriver And Variable Speed Drills Only $2^{99}$
    11144


    # 50 Piece Power Workshop 

    ## WITH 3/8" VARIABLE TRIGGER SPEED CONTROL DRILL

    
    

    CIRCULAR SAW

    - Adjustable for $1 / 4 \& 3 / 8^{\prime \prime}$

    5" resharpenable chrome-nickel-moly steel blade for cross-cut or rip sawingBevel cuts from $90^{\circ}$ to $45^{\circ}$, with ad. justable depth of cut. Hardened ground arbor shaft turns in a precise, frictionfree bearing. With spring safety blade guard and graduated rlp.fence. 14 H 6250 Shpg. wt., 3 lbs..... Net 8.75
    JIG AND SABRE SAW

    - All Purpose $5 / 8^{\prime \prime}$ Stroke

    Cuts straight IInes, intricate patterns, or circles in heavy wood, aluminum, brasseven light steel. Complete with general wood cutting blade, scroll work blade, and high speed hack saw blade. For $1 / 4$ and $3 / 8^{\circ}$ drills.
    14 H 625 Shpg. wt., $11 / 2$ los. $\qquad$ Net 4.49
    

    ## SANDER

    Sand in minutes! For use with all $1 / 4^{\prime \prime}$ or $3 / 8^{\prime \prime}$ drills. Orbital action, ball bearing construction. Complete with three standard slize no-load, jewel-hard abrasive sandpaper sheets In coarse, medium and fine grit. Top handle for easy handling.
    14 H 6252 Wt., $11 / 2 \mathrm{lbs}$. Net 4.49
    

    UNIVERSAL DRILL PRESS STAND

    - Adjustable Depth - Adjustabie Cradle Stop
    - Spring Return Tension
    - Adjustable Depth Gauge Dial
    Can be used with any $1 / 4^{\prime \prime}$ or $3 / 8^{\prime \prime}$ pistol grip electric drill. Features rack and pinlon gear leed, and adjustable depth stage. 15 to 1 leverage. Drill press head is clamped in rigid position. $21 / 4^{\prime \prime}$ 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 H 3604

    Net 10.95
    

    ## PLANER

    A professional lool with hardened and ground carbon alloy steel cutter. Perfect balance and comfortable hande for easy use. Instant, positive depth adjustment and $13 / 4$ " wide cùt. Dlagonal shearing action planes easily with or across grain. For $1 / 4$ or $3 / 8^{4}$ drill. Shpg. wt., 2 lbs 14 H 5253
    HACK SAW ATTACHMENT
    

    An all-purpose, heavy duty hack saw that makes short work of sawing wood, plastic, brass, steel, bolts etc. Bullt to use sections of any standard hack saw blade. Fits any $1 / 4$ or $3 / 8^{\prime \prime}$ drill. With eye shield, chuck wrench and blade. Shpg. wt., $21 / 2 \mathrm{lbs}$. 14 H 6254 Net 7.49
    "SHOP KING" HEDGE TRIMMER - Makes Short Work Of Hedges, Shrubs!

    - Locks Into Place With Ease
    

    Converts any $1 / 4^{"}$ drill into an easily handied 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 handle. Locks in any of 10 different positions. Light weight-compact. Shpg, wt. 3 lbs. 13 H 5015
    the sandeflex
    

    - Molds Itself to the Job - Fits Any Electric Drill

    Revolutionary sander head for wood, plastic, metal, etc. Will sand smoothly concave, flat or convex surlaces. The resilient foam head shapes itself to the contours of the surface and acts as a cushion. Does the job in minutes completely. No other sanding equipment of any description is necessary with this Sandeflex. 17" $21 / 2$ " cloth garnet belt. $51 / 2^{\prime \prime}$ diameter with extra belt in cluded. Can be bench mounted. Easy to ftt, easy to use. 1 lb . 13 H 1551 , easy to use. 12.0 Net 2.59

    # Selected Accessories For $1 / 4$ and $3 / 8^{" 1}$ Dillls 

    

    - Refinish Phillips, Yankee, Sets, Chisels, Punches
    

    At last! An altachment to grind Phillips or regular (Yankee) screw drivers to their original shape. Chuck in any drill. Will grind all Phillips drivers up to $1 / 1 s^{\prime \prime}$ and all Yankee type drivers up to $1 / 2^{\prime \prime}$ as easily as sharpening a pencil. Use for chisels, punches too. Shpg. wt., 1 ib.
    13 H 2551
    Net 5.95
    

    For fast, clean corner rounding when used with any electric drill, drill press, etc. Available in 3 sizes for $2 / \mathbf{n}^{\prime \prime}$. $K_{0}{ }^{\prime \prime}$ or $1 / /^{\prime \prime}$ radlus cuts. Accurate radius cuts assured by ex. clusive dual guides. Cuts wood, plastics, soft inetals, Tempered and hardened man. ganese alloy tool steel constructlon. Shpg. wt. . 202.
    

    ## ARCO ROTO-FORM

    ## As Low <br> 75 c

    

    Shapes-cuts--forms-mills. Fits all electric drills, drill presses, lathes, etc. Never clogs or dulis-Cuts wood, plastic, rubber. aluminum, brass, etc. Avaliable in 3 differ ent slzes, All have $11 / 2^{\prime \prime}$ long drums and ent sizes. No. 1250 shanks.
    No. $12503 / 4^{-}$diam. Shpg. wt., 40 oz
    14 H 1411 $\qquad$ No, $125111 / 4^{\prime \prime}$ diam. Shpg. Wt., 602. 14 H 1412 No. $12521 \%$ diam. Shpg. wt., 802. 14 H 1413 Net 1.10 Net 1.49

    ## ADJUSTABLE BEVEL CUTTER

    1Pa

    Fits any electric drill, drill press, etc, to make fast. clean corner bevels. Adjusts from Ka'" $^{\prime \prime}$ to $X_{4}^{\prime \prime}$ wide bevels. Dual gutdes assure accurate $45^{\circ}$ bevels along entire length and width of work-plece. Cuts wood. plastics and soft metal. Made of hardened. tempered manganese alloy tool steel.
    14 H 1416 SHpg. wt. 2 oz............. Net 1.49

    ## REVERSE-A-DRIVE SPEED REDUCER SCREWDRIVER

    SPEED REDUCER SCREWDRIVER
    

    ## 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. deal for nut running, and heavy duty screw driving. Easy stop-start action with hand clutch control. Accessories include yankee type - $1 / 4^{\prime \prime}$ slotted bit with finder - \#2 phillips bit-adaptor. Shpg. wt, 1 lb . 14 H 7902

    Net 7.75
    Model W-300L. Heavy Duty Industrial Type. Similar to above. Accessories include 5/16" slotted and phillips bits and $1 / 4^{\prime \prime}$ 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 H 7901
    Net 9.75
    7-BLADE DEEP HOLE SAW
    $99^{\circ}$

    - 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 $1^{\prime \prime}, 114^{\prime \prime}, 112^{\prime \prime}, 134^{\prime \prime}, 2^{\prime \prime}, 21 / a^{\prime \prime}, 21 / 2^{\prime \prime}$. cut wood, piastic, metal, sheetrock, wallboard, masonite, formica, etc. Has guide bit and automatic slug ejector. Imported.
    13 H 5526 Shpg. wt., $11 / 2$ tbs._Net. 99
    Same as above except for $3 / 4^{\prime \prime}$ stock
    13 H 5528 $\qquad$


    ## ARCD SCREW \& NUT DRIVER DRILL ATTACHMENT

    

    Complete 11
    Piece Screw and Nut Driver
    

    For rapid fastening of both screws (slotted and Philitips) 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 ( $1 / 4^{\prime \prime}, \mathrm{F}_{1} 0^{\prime \prime}$ " "1" $3 / 8^{\prime \prime}$, Ho" $1 / 2^{\prime \prime}$ ), and socket wrench holder with ball lock. Shpg. wt., $11 / 2$ lbs.

    Net 4.49

    ## ADJUSTABLE 82․ COUNTERSINK

    Adjusts to exact depth with automatic stop ...n no need to ludge the depth with each cut. single-flute, chatter-free design assures round, clean cuts. Tempered and hardened manganese tool steel construction. Ouickly countersinks in steel, wood,
    plastic and other materials. $1 / 4^{"}$ shank fit any drill, drill press, etc., Shpg wt.. 402. 14 H 1414

    Net 1.10

    The Warren Model W-400 speed reducer can be fitted to any power drill quickly and easily. 11 to 1 speed reduction through the use of a planetary gear system. Easy stop start action with hand clutch control. In cludes slotted bit with finer $\$ 2$ Phillips 1/4" socket adapter. Shpg. wt., 1 lb. 14 H 7903

    Net 3.75

    ## RIGHT ANGLE DRIVE

    

    ## - Halves Or Doubles

    Drill Speed Close coupled-right angle attachment for working in confined spaces. 2 to 1 gear ratio permits halving or doubling drill speed. High speed for drilling and sanding-slow speed for polishing-targe hole drillingmasonry drilling, etc. Fits $1 /{ }^{\prime \prime}$ chuck or may be screwed directly to drill spindle. In cludes $3 / 2-24$ male and female adapters and $1 / 4^{\prime \prime}$ plain shaft adapter. Shpg. wt., 1 lb 14 H 3603

    ## $1 / 4^{\prime \prime}$ \& 3/8" JACOBS TYPE DRILL CHUCKS

     95

    Made in U.S.A.

    - Fully Polished
    - Key Included
    

    Comparable to Jacobs 1B Key type geared tooth chuck, Capacity $0.1 / 4^{\prime \prime}$, thread $3 / 8 \times$ 24". Ruggediy constructed. Polished finish. Used as standard equipment on most electric drills. Made to rigid specifications. Wt. 1 ib. For $1 / 4^{\prime \prime}$ Drills-Capacity $0-1 / 4^{\prime \prime}$. Thread For $1 / 4^{\prime \prime}$
    $3 / 8 \times 24^{\prime \prime}$
    14 H 1550
    Net 2.95
    For $3 / 8^{\prime \prime}$ Drills-Capacity $1 / 16^{\prime \prime} \times 3 / 8^{\prime \prime}$. Thread $3 / 8 \times 24$ "
    14 H 1551
    Net 3.95
    Adapter to attach above chucks to power drills with female spindes.
    14 H 1552
    Net 19

    ## 1/2" CHUCK FOR 1/4" DRILLS

    ## 99c

    

    - Add $1 / 2^{\prime \prime}$ Capacity to $1 / 4^{\prime \prime}$ Drill

    Converts $1 / 4$ " electric drill to $1 / 2^{"}$ capacity. Properly machined to insure correct balance May also be used on standard $1 / 2 \times 24$ motor arbor or shaft. Imported. Shpg. wh. 1 lb . 13 H 5521

    # $114^{\prime \prime}$ \& $3 / 8^{\prime \prime}$ Power Drill Accessories 

    CENTURY 13 PC. HIGH SPEED DRILL SET WITH CENTER PUNCH

    - 12 Sizes: $1 / 16^{\circ} \cdot 1 / 4^{*}$

    Made in U.S.A.

    ## 4

    Precision ground high speed drills and center punch placed in unbreakable flexible plastic case which opens and closes ilke a book! Drill Sizes: $1 / 10^{-1 / 4} 4^{-2}$. Handy center punch assures exact position of drlil bit.
    13 H 1850 Shpg. Wt., 1002.
    Net 4.95
    "ISOPERM" 10 PIECE HIGH SPEED TWIST ORILL SET AS LOW AS
     95

    - Sizes $1 / 16$ to $1 / 4$
    

    High quality, high speed tool steel "hot twisted" for per-fect-uniformity, "Isoperm" heat treated for remarkable toughness. These new twist drills keep cutting much longer than conventional drills. In plastic indexed case, Made in Italy. Shpg. wt. 6 oz. 12 H 4750 (Fig. A)

    Net 2.95
    11 PIECE HIGH SPEED DRILL SET $1 / 1.10$ \%"
    11 drills, plastic unbreakable case. With straight shanks, Made especially for $3 / \mathrm{m}^{\prime \prime}$ electric drill. Shpg. wt. 10 oz

    ## 12 H 4751 (Fig. B)

    TWIST DRILL SHARPENER
     Fits any electric drill $1 / 4^{\prime \prime}$ Is larger. $3^{\prime \prime}$ alumi. num oxide grinding wheel. Sharpens any bit up to t/2" dia. Also has adjustable tool rest for sharpening chisels, knives, scissors, etc, 14 H 1409 Shpg. wt., $11 / 2$ lbs, Net 1.59
    SANDING AND POLISHING KIT
    

    Use with any standard drill. Includes $5^{\prime \prime}$ rubber backing disc, 7 assorted-grain sand Ing discs, $6^{\prime \prime}$ lambs wool polishing bonnet For shop, auto work, hobby, etc. 14 H 3601 Shpg. wt., 1 lb.

    Net 1.69

    ## ARCO DRILL STAND

    - Fits All $1 / 4^{n}$ or

    3/" Electric Drills

    Attaches to workbench. is Ideal for buffing, sanding, grinding, fits all electric drills. 3 14 H 1420

    Net 1.29

    Net 5.59

    ## LAWN MOWER SHARPENER

    

    - Sharpens All Rotary Mowers
    Quickly and easily sharpens any flat blade-rotaries, hoes, scythes, etc. $1 / 4^{\prime \prime}$ shank fits any electric drill. Reversible grinding wheel. Wt., it2 ib.
    14 H 1422


    ## 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 steel construction, 274" Dia. x 'K'W Imported. Wt., I It.
    13 H 5525

    ## DRILL SAW BIT

    Net .59

    ## $\square$ <br> $49^{\circ}$

    An extremely versatile tool. Cuts circles, ovals, squares, into wood, steel, plastic, bakelle, brass, copper, etc, will withstand years of rough, continuous use. Imported, 14 H 6110 Shps. wt.. 402.
    29.PIECE CHROME VANADIUM DRILL SET AS LOW AS
    

    Preclision ground chrome vana dium twist drills with indexed stand. Bive temper quality. Sizes Y/is" to $1 / 22^{\prime \prime}$ by 64 th. Imported. Shpg. wt., 4 lbs. 13 H 5576 Net 6.95 29 PIECE SET WITH TURNED DOWN SHANKS. Same as above, but with shanks turned down to $1 / 4^{\prime \prime}$.
    13 H 5577
    Net 7.95

    ## 13.PC. TWIST DRILL SET

    ## $69^{\circ}$

    Set of 13 full length twist drilis, complete with metal Index. Sizes: Yos $^{\prime \prime}$ to $1 / 4^{\prime \prime}$ by 64ths. Household quality. Imported. 14 H 6115 Shpg. wt, 8 oz ............... .69

    ## 4-PC. TWIST DRILL SET

    4 high carbon steel twist drills. $1 / 4^{* *}$ Ko", C $3 / \mathbf{" 月}^{\prime \prime}$. $1 / 2^{\circ "}$. Orills have $1 / a^{\prime \prime}$ shanks. Comes complete with clear plastic pocket-case Alf four drills $5^{\prime \prime}$ long. Imported,

    ## 13 H 5529 Shpg. wt., 1002.

    Net .75

    ## KNIFE \& SCISSOR SHARPENER

    

    Converts any electric drill or bench motor to a knile or scissors ginding machine, Consists of rugged specially designed grindstone with $1 / 6^{\prime \prime}$ shank arbor attached. Shpg. wt., $1 / 2 \mathrm{lb}$. 14 H 1423 ............................... Net 4.PC. UTILITY KIT
    

    99 ${ }^{\circ}$
    Grinds, pollshes, sharpens, cleans, and finishes. Kit includes $3^{\prime \prime}$ grinding wheel $1 / 2^{\prime \prime}$ thick. $3^{\prime \prime}$ double thick muslin buff, $3^{\prime \prime}$ wire wheel, and flanged arbor with $1 / 4^{\prime \prime}$ shank. Attach to any electric drlll or press.
    13 H 5523 Shpg. wt., 1 tb. Net.... 99

    ## SCREWDRIVER ATTACHMENT

    

    Use with any fixed or portable drill, Non-silp industrial type clutch disengages when screw is driven home. Bit holder prevents slfpping of bit out of screw slot. With two bits one for Phillios screws and one for 14 siotted screws imported
    14 H 6111
    Net 1.59

    ## DOUBLE POWER GRINDER

    

    Equipped with double tool rests - will accommodate $4^{\circ \prime}$ or $5^{\circ \prime}$ grindstone Nylon bearings require little or no lubrication, and have outstanding abrasion resistant characteristics. Furnished com plete with one coarse, one fine grind ing wheel, Shpg. wt., 10 lbs 14 H 7604

    Net 5.49
    DOUBLE ENO BALL BEARING MANDEL
    

    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 fancy shapes. Cuts circles $11 / 2^{\prime \prime}$ to $12^{\prime \prime}$ in diameter. Has special bit for smooth side cutting. Shpg, wt., 1 ib . 12 H 4100

    Net 2.98
    Equipped with hardened ball bearings and races. Threaded $1 / 2^{\prime \prime} x$ 20 on each end, $11 / 2^{\prime \prime}$ pulley for " $V$ " bell drive. Build your own grinder, sander, buffer, jack shaft, saw, etc. Shpg. wt., 2 lbs. 14 H 7603
    

    - Staples Within $1 / 10$ of Corner - 100\% Jam Proof Model 101 Delivers as much driving power as machines twice lls size and weight. Highly maneuverable-perfectly balanced-extreme. ly lightweight. All case hardened steel construction. Rust proof, bonderized finish. No oilling required at any time. Uses two staple sizes - $1 / a^{\prime \prime}$ and $K_{0}^{\prime \prime}$ - with no mechanical changes. Built in staple extractor. Visible staple load indicator. Shpg. wt., $11 / 2 \mathrm{lbs}$. 13 H 5801

    Net 4.49
    13 H 5802 Pkg. $1000 \mathrm{t} / \mathrm{m}^{\prime \prime}$ staples. Shpg. wt., 602.
    Net .42
    3 H 5803 Pkg. 1000 Xo" staples. Shpg. wt. 6026
    Net .42

    ## (B) HEAVY DUTY STAPLE GUN

    Drives 5 sizes of staples. Snap open load. Exclusive power dot and tandem springing dellver super power. Loading takes only a moment. Built in extractor. Accepts $1 / 4$ " to $K_{1}$ " staples including special loktile staples for firm holding of ceiling tiles. Shpg. Wt., $11 / 2 \mathrm{tbs}$. 13 H 5812

    Net 6.75
    Model 800-X. Same as above with all chrome body. 13 H 5819

    Net 7.50 1000 staples for $\$ 800$ swingline staple Gun. Av. Shpg. wt., 7 oz. stock No. Leglength Net StockNo. LegLength Net

    | 13 H 5813 | $1 / 4^{\prime \prime}$ | . 42 | 13 H 5816 | 1/2" | . 53 |
    | :---: | :---: | :---: | :---: | :---: | :---: |
    | 13 H 5814 | K0" | . 45 | 13 H 5817 | K0" | . 58 |
    | 13 H 5815 | 36" | . 45 | 13 H 5818 ${ }^{\circ}$ | Ko" | . 65 |

    - 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, $1 / 4$ " $x^{3} /{ }^{3}$ ". Narrow width permits reaching into tight places. Shpg. wt., 3 lbs
    13 H 5809 Cable Tacker
    Net 11.25
    Extra staples for above, 1000 per okg. Shpe. wi.. 807 13 H 5810

    Net .99

    ## (D) HEAVY-DUTY STAPLE GUN KIT

    100\% Jam.Proof - Ideal for Industrial Use
    Model $900 / 5$ Swingline heavy-duty staple gun kit. Includes 1000 staples in 5 sizes from $1 / 4^{\prime \prime}$ to $x_{0} "$; Swingtine 900 super-drive staple gun and easy-lift staple remover. For light or heavy-duty work. Loads 84 staples
    Staple gun kit. Shpg. wt., 5 lbs.
    13 H 5811
    Net 11.95
    Extra Staples. 1000 per pkg

    | stock No. | Leg Length | Shog. Wt. | Ea. | Stock No. | Teg Length | Shog. Wt. | Ea. |
    | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
    | 13 H 5805 | $1 / 4 "$ | 502. | . 42 | 13 H 5807 | $4 / 2^{\prime \prime}$ | 702. | 53 |
    | 13 H 5806 | $\%_{0}{ }^{\prime \prime}$ | 602. | . 45 | 13 H 5808 | K*" | 802. | . 58 |
    | 13 H 5820 | 76" | 602. | . 45 |  |  |  |  |

    
    (A) POP RIVETOOL KIT A professional tool which joins virtually anything, metal to metal, plastic to wood, fabric to fabric. Easy to operate, fust insert rivet into tool, place in pre-drilled hole and squeere-you have a strong rivet joint. "Pop" rivets are strong, neat and perma. nent. Ideal for hobbyists, electronics, household and auto repairs. Kit includes riveter, and supply of rivets of various sizes. Uses $1 /$ /n" $^{\prime \prime}$ rivets. Shpr. wt., 2 lbs. 13 H 5401

    Net 2.75
    (B) DUAL RIVETOOL KIT

    Contains the new "Pop" rivetool with two interchangeable nosepleces to set $1 / \mathbf{b}^{\prime \prime}$ steel and aluminum and ko" aluminum "Pop" rivets. Includes $1 / 6^{\prime \prime}$ and $火_{0}{ }^{\prime \prime}$ rivets in assorted lengths, backup plates, plus new threaded "Pop" rlvets. Shpg. wt., $31 / 2$ lbs. 13 H 5408

    Net 449
    RIVETS FOR ABOVE XITS
    V/e" Rivets Steel Av. Shpg. wt. $30 z$.
    

    SHURE-SET FASTENING KIT

    - Fasten to Concrete Without Drilling

    Have more fun remodeling. No drilling. Install furring strips, shelves, peg boards, condult boxes and plumbing on concrete or block-quickly and easily. Up to 100 pounds holding power per fastener. Kit includes Shure-Set and 12 assorted fasteners. 14 H 5701 Shpg. wt., $1 / 2 \mathrm{lb}$ SURE SET FASTENERS Av. Shpg. wt., $80 z$ 14 H $57023 / 4^{\prime \prime}$ drive Pin Pkg. of 19 14 H $57031^{1 \prime \prime}$ drive Pin 14 H 5704 114" drive Pin 14 H 5705 11/2" drive Pin 14 H 5706 21/2"' drive Pin 14 H $57071 / 4 \cdot 20 x^{3 / 4}$ "* Stud Pkg. of 14 Pkg. of 12 Pkg. of 10 14 H $57071 / 4 \cdot 20 \times \quad 3 / 4^{\prime \prime}$ Stud Pkg. of 8 14 H $57081 / 4.20 \times 11 / 4^{\prime \prime}$ Stud Pkg. of 9

    ## "HOPPY" SPLIT-IMAGE TRANSIT

    - Plate Glass Mirrors
    - External Sights

    Amazingly accurate instrument that will indicate level and measure a minimum of $1 / \mathrm{s}^{\prime \prime}$ rise or fall at $25^{\circ}$. 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 job simple. Use it for patio layout, bricklaying. flooring. surveying, terracing. fencing, plumbing, shelving, guttering, drainage, irrigation. Indispensable as a leveiling and grading tool for model railway pike. Shpg. wi.. 6 lbs.

    ## 14 H 1801

    Net 4.95
    14 H 1802 case-Shpg. wt., $11 / 2$ lbs.

    COPY CAT CONTOUR GAGE
    $3^{75}$
    

    Net .74
    Net .74
    Net .74
    Net .74
    Net .74
    Net .74
    Net .74 14 H 1802 case-shog. wt. $11 / 2$ lbs. .................Net 2.95
    

    # High Quality Pliers-Cutters for Electronics 

    

    - All With Cushion Grip Handles

    Fine quality-hammer-forged from high grade tool steel. Individually fitted, tempered and adjusted. Fully polished heads. Rustresistant cushion grip handles

    | Stock No. | Type | Fig. | Description | Net |
    | :---: | :---: | :---: | :---: | :---: |
    | 13 H 2801 | 35015 | A | 5" Diagonal Cutters | 2.75 |
    | 13 H 2802 | 35016 | A | $6^{\prime \prime}$ Diagonal Cutters | 2.99 |
    | 13 H 2803 | 37015 | B | 5" Needle Point Diagonals | 3.25 |
    | 13 H 2804 | 36616 | C | $6^{\prime \prime}$ Long Nose Side Cutter | 2.99 |
    | 13 H 2806 | 38306 | E | 61/2" Side Cutters | 2.99 |
    | 13 H 2807 | 27510 | F | $10^{\circ}$ Joint Pliers | 2.75 |
    | 13 H 2820 | 36535 | H | $5^{\prime \prime}$ Radio \& Ignitjon Long |  |
    |  |  |  | Nose Cutting Pliers (Cross. Coll Spring) | 3.60 |
    | 13 H 2809 | 36107 | I | 7" Heavy Duty Diag. | 2.99 |

    CHAN NEI LICK ELECTRONIC PLIERS
    

    718G
    

    Forged from high grade steel, precision machined. Specially designed for fine electronics work. Long, slender reach ... precision-matched jaws ... hand-honed, specially hardened cutting edges. The 748G long reach, end cutters are fine enough to cut a human hair-rugged enough to cut 12 gauge copper wire. The 738 G long reach, round nose will pick up a human hair with its precision machined parts. The 728G. long reach diagonal cutters have a patented wire stripper that really works. The 718 G -long reach, flat nose has a bulldog grip with watchmakers precision. Length $8^{\prime \prime}$. Av. shpg. wt., 8 ozs.
    13 H 3001748 G end cutter with plastic grips $\qquad$ Net 2.85 13 H 3002738 G round nose with plastic grips 13 H 3003728 G diagonals with plastic grips 13 H 3004718 G flat nose with plastic grips

    Net 2.55 Net 3.15
    Net 2.55
     shpg. wt., 5 ozs.

    | Stach No. | Type | Fig. |  | scription | Not |
    | :---: | :---: | :---: | :---: | :---: | :---: |
    | 13 H 3005 | 41-G | A | 41/4" | Diagonal Cutter | 2.69 |
    | 13 H 3006 | 42-G | B |  | End Cutter Nipper | 2.85 |
    | 13 H 3007 | 43-G | C | $4^{3 / 4} 4^{\prime \prime}$ | Needle Nose | 2.39 |
    | 13 H 3008 | 44-G | D | 44\% | Flat Nose | 2.49 |
    | 13 H 3009 | 45-G | E | 412" | Round Nose | 2.55 |
    | 13 H 3010 | 47-G | F | 431/4" | Needle Nose Cutter | 2.95 |
    | 13 H 3011 | 48-G | G | 41/4" | Transverse End Cutter | 2.95 |
    | 13 H 3012 | 49-G | H | 41/2" | Curved Needle Nos | 2.85 |

    ## PRECISION PLIER SET

    

    - 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. Overall length approximately $41 / 2$ ". Set Includes comblnation side cuttersflat nose-chain nose-round nose-round/flat nose-diagonal cutters-and cutting nippers. All have insulated, cushioned handles 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. Shpg. wt.. $1 \mathrm{lb}, 6$ ozs. 99 H 8038
    
    (A) $6 y_{4}$ LONG NOSE PLIERS. Durable drop forged steel pliers with hardened and tempered side cutting edges. Insulated handies for protection and comfort. Thin nose reaches Into any space. Completely polished and lacquered finish to prevent rusting. Imported. Shpg. wt., 10 oz .
    13 H 5578
    Net 1.19
    (B) $6 \mathrm{~V}_{4}^{\prime \prime}$ 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 pollshed and lacquered. Imported. Shpg. wt., 10 oz . 13 H 5579
    (C) 7" LINESMAN'S CUTTING PLIERS. Large, strong holding grip. Rugged drop forged construction...tempered steel edges. Comfort design handles are shock insulated. Nose and handles protected by pollshed and lacquered finish-prevents rusting. Imported. Shpr. wt., 1 lb.
    13 H5580
    416
    (D) $\mathrm{B}^{\prime \prime}$ SLIP JOINT PLJERS. Rugged, efficient ...adjust to a variety of positions, reach into any area. Strong gripping head with insulated cushion-grip handes. Long-lasting drop forged steel with attractive and protective chrome plated finish. Imported. Shpg. wt., 10 oz.
    13 H 5581
    Net .99
    (E) $61 \mathbf{2}^{\prime \prime}$ CURVE NOSE PLIERS. Versatile tongnose 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 H 5520
    Net . 99
    (F) LIGHT WEIGHT LONG NOSE PLIER. Ideal for all types of delicate work and for reaching into hard-to-get-at places. Spring closing holds wires, nuts, screws, efc. Handy for mechanics, assemblers, hobbyists. $81 / 4$ " lons. with soft plastic colored handles. Shpg. Wt., 402. 4
    14 H 2601
    (G) $91 / 2^{\prime \prime}$ HEAVY DUTY WATER PUMP PLIERS. Arc joint slip-groove. Fulty chromed and polished plier offers maximum leverage and strength. 5 adjustments. 1" parallel opening. Deep milled jaws made of chrome vanadium steel. Imported. Shps. wt., 1 tb. 14 H 5521

    Net 1.39
    (H) 10" LOCXING PLI-WRENCH. Super power locking combination pliers, wrench, clamp and vise. Exerts over 1,000 tbs. of pressure. Heat treated drop forged Jaws. Machine milled teeth. Chrome plated. Imported. Shpg. wt. 1 lb .
    14 H 5522
    Net .89
    (I) $10^{\prime \prime}$ PLI-GRIP WRENCH WITH QUICK RE.

    LEASE. Made of high quallty 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 tenslon adjustment and bright plated finish.
    13 H 5599 Shpg. wt., $1 \mathrm{H} / 4 \mathrm{lbs}$. $\qquad$ Net 1.89

    Depend on Lafayette for Complete Stocks, Lowest Prices, Fastest Service

    # Tool Kits For Technician and Hobbyist 

    ## SELF-ADJUSTING SOCKET WRENCH

    

    - Adjusts Automatically from 1/4" to $1 / \mathbf{2}^{*}$
    Now one tool replaces five socket wrenches! Features 12 point for easy operation. Press this wrench on any bolt or nut from $1 / 4^{\prime \prime}$ to $1 / \mathbf{2}^{\text {" }}$ In size and it automatically selecits the right socket to fit, no other adjustments needed. High tenslle strength sockets mintmize slippage, provide high torque. Accommodates bolt extensions up to $114^{4}$ long. Chrome plated steel housing, insulated handie. Length $7^{*}$. Shpg. wt., $1^{1} \mathrm{lb}$. 13 H 1904

    Net 3.29

    ## 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, $1 / 4^{\text {" }}$ Yankee blade, $3 / 16^{\prime \prime}$ Yankee blade and awl. Protective chrome plated shaft and chuck. Imported. wt. I lb.
    13 H 5582
    Net 1.29

    ## 18-PC. HEX KEY WRENCH SET

    $69^{\text {c }}$

    Consists of 9 short arm wrenches from .050" through $1 / 4^{\circ \circ}$, and 9 long arm wrenches $K_{6}$ " through $7 / 8$ ". 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.. $11 / 2$ lbs. 14 H 7601
    

    ## 6-IN-1 HEX

    WRENCH

    ## SET KEY

    ## $49^{\circ}$

    

    Includes the most popular sizes found in set-screws, and other recessed hex-head screws. Any size swivels out of the handle for instant use. Shpg. wt., 3 ozs. Net .49

    ## 13 H 5531

    ## 9-WAY COMBINATION TOOL

    ## 

    - 9 way Combinatton tool!
    - A tool box in your pocket?

    9 handy tools in a compact $4 \times 1^{\prime \prime \prime}$ packagepller, cutter, wrench, small screwdriver, larke screwdriver, awi, scriber, tack hammer, tack lifter. Screwdrivers can be used offset for leverage, of on end of handle for additional length. Vinyl case. Imported. 99 H 8034 Shpg. wt., $11 / 2$ lbs. .- Net ea. . 39

    ## COMPACT SELF-ADJUSTING SOCKET WRENCH

    

    - Adjusts Automatically from 1/4 to 7/16"
    - Only $53 / 4$ " Long

    All the advantages of a 4 piece socket wrench set in one compact tool! Simply press and turn. "Self-adjusting action" automatically selects right socket to fit any hex size from $1 / 4^{\prime \prime}$ to $7 / 16^{\circ}$. Takes boit extensions up to $1122^{\prime \prime}$. Rugged corrosion proofed mechanism and shock proof handle. 14 H 2250 Shpg. wt., $1 / 2$ ib. Net 2.49

    ## 6 PIECE HOLLOW SHAFT NUT DRIVER SET

    - Heavy-Duty

    Plastic Handle

    - Made in U.S.A.
    

    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 tb.
    13 H 5583
    Net 2.19

    ## 25-PC. DELUXE TOOL KIT

    

    Hardened, tempered alloy steel tools for $1^{95}$ handy use in the house or workshop. Kit consists of 1
    plastic screworiver handle with aluminum chuck; 4 screwdriver blades ( $1 / 8 \times 41 / 4^{\prime \prime}$, $3 / 16 \times 43 / 3 \times 1 / 4 \times 5$ " flat drivers and one No. 1 Phillips blade); 8 open and box end wrenches ( $13 / 64-7 / 32^{\prime \prime}, 7 / 32-15 / 64$ ", 15/64wrenches $1 / 4^{\prime \prime}, 1 / 4.9 / 32^{\circ}, 5 / 16^{-11 / 32^{*}}, 9 / 32^{-5} / 16^{*}$, 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 $(3 / 16$, $7 / 32,1 / 4,9 / 32,5 / 16,11 / 32,3 / 8,7 / 16^{\prime \prime}$ ). All in a convenient roll pouch with handy pocket for each tool. Imported. Wi. $11 / 2$ lbs. 13 H 5533

    Net 1.95

    ## REVOLVING LEATHER

    PUNCH19
    

    Has 6 standard punching tubes. Made of longlasting tempered steel. Shpg. wt., 12 ors. 14 H 6114

    LAFAYETTE ELECTRO-TOOL KIT
    

    - Professional Quality Throughout
    - All the most often needed tools
    - Designed with the Technician in mind
    Each component tool chosen to offer utility and quality. The "ULTRA" kit contains the following: $61 / 2^{\prime \prime}$ insulated side cutters, $5^{\prime \prime}$ insulated chrome plated diagonals, $6^{\prime \prime}$ insulated chrome plated long nose, 30 -watt soldering iron, 3 offset open-end wrenches covering from $1 / 4^{\prime \prime \prime}$ to $1 / 2^{\prime \prime}$, $5^{\prime \prime}$ chrome plated tweezers, shockproof amberoid chuck handle, 1/iz screw driver blade, $y_{2}$ screwdriver blade, \#1 recessed screwdriver blade, punch-awi blades. $1 / 4$ " nut driver blade, solder and flux. Pliers insulated for 10.000 volts, hand honed cutting edges. Side cutters have beveled nose, diagonals have provisions for wire strlpping. long nose has "wrench" grid jaws and cutters. The entire set is nested in a zlppered, fitted, lined book type carryIng case with handle. Measures a scant $9 \times 5 \times 2^{\prime \prime}$. Shpg. wt., $21 / 2$ lbs. Imported.
    99 H 8017
    Net 8.95
    WIRE STRIPPER AND CUTTER


    ## Only

    

    ## - Self Opening

    For any size wire, stranded or solid. Adjustable arm for varying wire size. Made of hardened tool steel finely ground cutting edges. Bullt-in spring holds cutter open. Has ring-latch to hold blades in closed position. Shpg. wt. 4 oz.
    14 H 1650
    Net 1.15

    ## STRIP-ER-CLIP

    

    Correct Wire Size
    (I) A precision tool with an exclusive safeguard 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.
    13 H 6119 Shpg. wt., $1 / 2 \mathrm{lb}$. Net 1.39

    ## WIRE STRIPPER-CUTTER

    $$
    49^{\text {c }}
    $$

    

    Tempered steel-handy-easy to use wius stripper. Pawl cam lock sets to wire gauge. Designed to fit your grip-uses minimum pressure. Specially ground cutting edges. Cuts and strips at any point along wire. For service or light production work. Shpg. wt., $1 / 2 \mathrm{lb}$.
    14 H 7004
    Net .49

    # KCELITB Professional Screwdrivers-Nutdrivers 

    

    C

    ## (A) SERVICE MASTER TOOL KIT

    - Versatile - 23 Piece Set - Quick-Change Tools
    - Durable, Roll-Up Vinyl Canvas Case

    Model 99SM-Valuable kit has: pliers $-6^{-1}$ long nose and $5^{\circ}$ diagonal; $6^{*}$ adjustable wrench; 9 regulas nutarivers $3 / 16^{\prime \prime}$ through $1 / 2^{2-;}$ 3 stubby nutarivers, $1 / 4^{"}, 5 / 16^{\prime \prime}$ and $3 / \beta^{n}$; philitips screwdriver; 2 slotted screwdrivers, $3 / 16^{\prime \prime}$ and $9 / 32^{\prime \prime}$; 2 reamers; extension. Shpg. wt. 234 llbs .
    13 H 4543
    Net 24.87

    ## (B) "TRAY BIEN" NUT DRIVER SET

    - Solid Shaft 7 Color Coded Nut Drivers
    - Carrying Case for Bench, Caddy or Wall Mounting Model 127TB molded plastic bench tray has fold away stand. Holds tools securely yet permits easy removal. Hex sizes $3 / 16^{\prime \prime}, 7 / 32^{\prime \prime}$, $1 / 4^{\prime \prime}, 3 / 32^{\prime \prime}, 5 / 16^{\prime \prime}, 11 / 32^{\prime \prime}, 3 / 8^{\prime \prime}$.

    Net 6.60
    

    ## (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 screwdriver $3 / 16^{\circ}$ and $1 / \mathbf{4}^{\prime \prime}$. Phillips screwdrivers (\#1 and \#2). Handle. Roll up kit. Shpg. wt, 2 ibs. 13 H 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 147 T 8 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.
    

    Net 8.70

    ## COMPACT DOUBLE DUTY TOOL SETS

    (E) PS-120 COMPACT NUTORIVER SET- 10 nutdrivers, $31 / 2^{*}$ pocket. size. Piggy-back "torque amplifler" handle sllps over pocket tool handes, gives grip and power of standard drivers. See.thru plastic case, stimmed to fit your pocket; stands on flat base. K2, $\%$, $K_{2}, \chi_{1}, k_{6}, 1_{4}, \%_{2}, K_{4}, 1 / z_{2}, 3 / 4$. Shpg. wi. 1 lb .

    ## 13 H 4602

    Net 5.55
    (f) PS 7 OOUBLE DUTY TOOL SET-Saves bench space, Gives grlp, reach and power of standard drivers with remarkable "torque amplifier" handle. Set includes: (all $31 / 2 \geqslant 2$ color coded nutdrivers, $1 / 4^{\prime \prime}$ and Kos $_{0}$ : 2 slot tip screwdrivers, 2 Phillips screwdrivers. "0 and 11 . Slim, Docket-fitting see-thry plastic case.
    13 H 4622
    Shpg. wt., $1 / 2 \mathrm{lb}$.
    Net 3.60
    (G) PS 68 SCREWDRIVER SET-Compact, for bench and pocket. Set has 5 slot tip screwdrivers: $3 / 20.1 / 8, z_{2}$, $\mathrm{K}_{5}, 1 / 4$ "; 3 Phillips screwdrivers: \#0, \#1, \#2. All $31 / 2$ " pocket size plus $1 \times 344^{\prime \prime}$ hollow handle, See thru piastic case, stand-up base. Shpg. wt., 12 oz .
    13 H 4644
    Net 3.93
    (H) 99PS-50 SET OF SCREWDRIVERS-NUTDRIVERS-Contains seven nut-
     $K_{0}^{\prime \prime}$ and Kan $_{2}$ : " 1 and 2 Phillips screwdrivers; an extension blade (adds $4^{\prime \prime}$ reach to single end blades): regular handle $1 K_{s} \times 41_{s^{\prime \prime}}$. Easy to work with in space-saving. convenient see-thru plastic case with flat base that stands up on work bench. Shpg. Wt., 1 ib. 13 H 4645

    Net 6.55

    HIGH QUALITY CHROME VANADIUM SHAFTS-U.L. HANDLES

    | ROUND BLADE SCREWDRIVERS |  |  |  |  |
    | :---: | :---: | :---: | :---: | :---: |
    | Stoch No. | Type \# | Shaft Size | Overall | Het |
    | 13 H 4624 | R144 | $4^{\prime \prime} \times 1 / 4^{\prime \prime}$ | 8" | . 87 |
    | 13 H 4625 | R146 | $6^{\prime \prime} \times 1 / 4^{\prime \prime}$ | 10* | . 96 |
    | 13 H 4626 | R148 | $8^{\prime \prime} \times 1 / 4^{\prime \prime}$ | 12" | 1.02 |
    | 13 H 4627 | R182 | $2^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 21/2" | . 33 |
    | 13 H 4628 | R183 | $3^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 5" | . 33 |
    | 13 H 4629 | R184 | $4^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 64/2" | . 42 |
    | 13 H 4631 | R 188 | $8^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 101/2" | . 57 |
    | SET-SCREW | TYPE- | with pocket | clip. |  |
    | \$3 H 4632 | R1841/2 | $4^{\prime \prime} \times 1 / 8^{\prime \prime}$ | $6^{\prime \prime}$ | . 36 |
    | 13 H 4633 | R3323 | $3^{\prime \prime} \times 3 / 32^{\prime \prime}$ | 5* | . 33 |
    | PHILLIPS SC | SCREWOR | IVERS-alloy | steel |  |
    | 13 H 4634 | $\times 101$ | 3"\#1 pt. | 61/2" | . 75 |
    | 13 H 4635 | $\times 102$ | $4^{\prime \prime} \# 2 \mathrm{pt}$. | $71{ }^{1 / 4}$ | . 93 |
    | 13 H 4636 | $\times 103$ | $6^{\prime \prime}{ }^{\text {\# }} 3$ pt. | 10" | 1.26 |
    | 13 H 4637 | $\times 108$ | $6^{\prime \prime}$ \# 1 pt | 10" | . 84 |

    4-WAY POCKET TOOL
    

    ## HOLLOW SHAFT NUT DRIVERS

    | Stock No. | Type \# | Shaft Size | Overall | Net |
    | :---: | :---: | :---: | :---: | :---: |
    | 13 H 4648 | HS-6 | 3/16" | 61/4" | . 93 |
    | 13 H 4649 | HS. 7 | 7/32* | 61/4" | . 93 |
    | 13 H 4611 | HS-8 | 1/4" | $7{ }^{10}$ | . 93 |
    | 13 H 4650 | HS. 9 | 9/32* | $7{ }^{\prime \prime}$ | . 93 |
    | 13 H 4612 | HS-10 | $5 / 16^{*}$ | 7" | . 93 |
    | 13 H 4613 | HS. 11 | 11/32" | 7" | . 93 |
    | 13 H 4614 | HS-12 | 3/8" | 7" | . 93 |
    | 13 H 4651 | HS-13 | 13/32** | 71/4" | 1.05 |
    | 13 H 4615 | HS-14 | 7/16" | 714." | 1.05 |
    | 13 H 4652 | HS-15 | 15/32" | $71 / 4$. | 1.08 |
    | 13 H 4616 | HS-16 | 1/2** | 71/4" | 1.08 |
    | 13 H 4617 | HS. 18 | 9/16" | 71/4" | 1.14 |
    | 13 H 4618 | HS-20 | 5/8" | 7518" | 1.26 |
    | 13 H 4653 | HS. 22 | 11/16* | 75/8" | 1.59 |
    | 13 H 4654 | HS-24 | 3/4" | $75 / 8{ }^{\prime \prime}$ | 1.59 |

    Shpg. wt., 602.
    Extremely handy tool for assembling and disassembling. It's a $1 / 4$ and $\mathrm{K}_{6}$ " nut driver, a no. 1 Philips screwdriver, and a Kn" slofted screwdriver. Shpg. wt. 8 oz . 13 H 4623
    

    Polished, hardened tempered, steel blades and hex-orivers, 6 nut drivers - $k^{\prime \prime}, 1 / 4^{\prime \prime}$, Ko" "1/2", $3 / 8 "$ " $6^{\prime \prime} \times 1 / a^{\prime \prime}, 31 / 2^{\prime \prime} \times 1 / 8^{\prime \prime}$. Philips ${ }^{2} 21 / 2^{\prime \prime} \times 1 / 4 "$. Shockproof amber handle with flanged chuck Heavy plastic roll up kit. Shpr. wt.. 1 lb . 14 H 5203 Net 1.99
    7-PIECE NUT-DRIVER SET

    $$
    89^{\text {c }}
    $$

    

    Polished, hardened steel detachable shafts. Plastic handle with precision clitch. Contains: 1 each, $X_{6}$ " hex nut shaft, $14^{\prime \prime}$ hex nut shaft, Kor $_{0}{ }^{\prime \prime}$ hex nut shaft, $1 / 32^{" \prime}$ hex nut shaft. $3 / a^{\prime \prime}$ hex nut shaft, $\mathrm{K}_{0}$ " hex nut shaft, amber handle with chuck. Imported.
    14 H 6118 Shpg. wt., 2 lbs.
    Net .69

    # Selected Screwdriver Sets-Wrenches 

    ## Clloody <br> (6) MINIATURE TOOL KITS <br> 

    Model SC-5 Screwdriver and Awl Set. Five interchangeable blades Insert into chuck. Blades are $.100^{\circ \prime}, .080^{\circ}, .070^{\prime \prime}, .055^{\prime \prime}$ and 1 awl. For repatring radios, cameras, electric razors, etc. With plastic case. 14 H 2701 shpg. wt., 8 oz. Net 1.29
    Model SH-2 Screw Holding Screwdriver Set. Solid locking chuck takes either the $21 / 2^{\prime \prime}$ or the $13 / /^{\prime \prime}$ length blades. All four parts contained In a plastic case.
    14 H 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 handie. Yough, heat treated steel. Easily remove or attach the thy nuts used in sub-miniature electronic work hobby, aeronautical, automotive, etc. Sizes are: $5 / 64,3 / 32,7 / 641 / 8,5 / 32$.
    14 H' 2703 Shpg. wt.; 802 $\qquad$ Net 1.75
    Model BW-5 Socket Wrench SeL. 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 $5 / 32^{*}$. Magnetized to hold those tiny ones firmly. Complete with dust proof, stand up case. Wt., 6 ors. 14 H 2704 Net 2.69
    Model SW.5. Same as above less magnetic handle
    14 H 2706
    Net 2.39
    Model PA-5 Phillips Oriver and Allen Wrench Set. Chuck-type knupled steel handle accommodates $\# 0$ and $\$ 1$ Phillips drivers and $\$ 4$ \$6, \$8 Allen wrenches. Handle has torque lever for quick light. ening. Handle plus 5 tools.
    14 H 2705 Shpg. Wt., 7 ozs
    Net 1.69
    Model TS-5 Tap Set Has 5 heat treated steel taps ideal for cutting tiny inside threads on small ftems, mnurled chuck type handle has torque hote for firm leverage. Tap sizes, $0.80,1.72,2.56,3.48,4-40$. 14 H 2707 Shpg. wt., 7 oz.

    Net 4.95
    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" 玉20. \#53, \#47, \#43.
    14 H 2708 Shpg. wt., 6 oz.
    Net 2.39
    MOOOY MASTER TOOL SET
    Model MMK-6 compact, six tool sets for the hobbyist, 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 H 2709 Shpg. wt., $11 / 2$ lbs. $\qquad$
    PROFESSIONAL 6.PC PRECISION
    SCREWDRIVER SET

    - Hardened, Tempered, Rustproof Blades
    

    Periect for the hobbyist, jeweiry and electronic rraues. This precislon 6 piece screwdriver set has sizes from $\$ 1$ to ${ }^{*} 6$, width of blades 0.8-3.8MM. All have knurled handes with swivel heads. Chrome plated brass handles with diameter of 3.5 .8 .0 MM . Blades are hardened, tempered and rustproof for rugged use. Complete with handy plastic indexed case with hinged cover. Imported.
    13 H 5603 Shpg. wt., 1/2 lb.

    ## 12 PIECE SCREW DRIVER SET

    ## - 10 Popu'ar Size orivers

    - 2 Metal Wall Racks

    Here is a 12 -plece screw driver set that contains a size for every job and for every need. Magnetized blades. Plastic handles U.L. Ilsted. Includes 2 metal wall racks for easy mounting. Shpg. wt., 1202.
    13 H 6302
    Net 1.29
    6 PC. "LOCKGRIP" SCREWDRIVER SET

    - Slipproof Vinvi Grip
    - Magnetized Nickel-Plated Steel

    6 pc. set includes 1 ea . of $4 \times \mathrm{K}_{\mathrm{a}}{ }^{\prime \prime}$, $6 \times \mathrm{K} \mathrm{a}^{\prime \prime}$, $4 x 2 / 4^{\prime \prime}$ and $6 x 2 / 4^{\prime \prime}$ cabinet and mechanics type screwdrivers and 1 ea. $3 \times \mathrm{Ka}_{0}^{\prime \prime}$, and $4 \times 1 / 4^{\prime \prime}$ Phillips-type. Shpg.wt. $11 / 2 \mathrm{lb}$. 13 H 6301

    ## "ADJUST-A-BOX" WRENCH

    

    - Narrow head: Gels 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 obstructlons. Made of drop-forged alloy steel, heat treated and nickelchromium plated. Long bolts extend through opening in jaws. Pre. sents no problem as encountered with sockets. Requires less than half the lateral opening space of regular adjustable wrenches of same size and capacitv. Comes in 2 sizes. Shog. wt., $11 / 2 \mathrm{lb}$. $8^{\prime \prime}$ long. jaws adjust $1 / a^{\prime \prime}$ to $1^{\prime \prime \prime}$.
    14 H 4501 Net 3.29
    $10^{\prime \prime}$ long jaws adjust $3 / 8^{\prime \prime}$ to $11 / 6^{\circ}$.
    14 H 4503 Net 4.95
    12" long jaws adjust $7 / 1^{\prime \prime}$ to $17 /$ a $^{\prime \prime}$
    14 H 4502 Net 6.59

    ## SELF ADJUSTING AUTOMATIC WRENCH

    

    - Automatically AdJusts and Locks On Pipe; Allows 1-Hand Operation Fully drop forged steel Slim design lets you work easlly in hard to reach spots. Designed with an easy action floating head. Highly chrome plated, rust-resistant finish. imported.

    | Stock NO. | Size | Max, Jaw Open. | Shpg. wt. | Net |
    | :---: | :---: | :---: | :---: | :---: |
    | 13 H 5601 | $6^{\prime \prime}$ | $1{ }^{\text {¹ }}$ | 1/2 fb. | 1.49 |
    | 13 H 5584 | $8 \cdot$ | 11/2" | 10 oz. | 1.75 |
    | 13 H 5585 | $10^{\circ}$ | 2" | 1 lb . | 2.29 |
    | 13 H 5602 | 12* | 21/2* | $11 / 4 \mathrm{lb}$. | 2.99 |

    ## ADJUSTABLE END WRENCHES

    AS Low As
    

    Fully Drop Forged
    Adjusts Jaws with a fllick of your thumb . . . oversized knurl speeds opening and closing. Entire wrench is made of drop forged steel and fully polished. Thin head gets into tight places easlly. Extra long for better leverage.

    | Stock No . | Size | Max. Jaw Open. | Shpe. Wt. | Net |
    | :---: | :---: | :---: | :---: | :---: |
    | 13 H 5566 | $6^{\prime \prime}$ | 3/4" | 8 oz . | 1.19 |
    | 13 H 5567 | $8{ }^{\prime \prime}$ | $1 \cdot$ | 1102. | 1.59 |
    | 13 H 5568 | 10" | 11/0" | $11 / 2 \mathrm{lb}$. | 1.99 |
    | 13 H 5569 | 12* | 17/8* | 2 lbs. | 2.79 |

    ## 5-PIECE DOUBLE OPEN END WRENCH SET

    - Drop Forged Alloy Steel
    - Mirror Finish
    - High Quality
    - In Vinyl Hang-Up Pouch
    Made of fine drop forged alloy steel. Both openings and body of
    
    
    13 H 5585
    Net 1.75
    5-Piece combination set. Open-end and box end openings in same wrench. Ends offset. Sizes $34^{\prime \prime}, K_{4}^{\prime \prime}, 1 / 2^{\prime \prime}, K_{4}^{\prime \prime}$ and $5 / 8^{\prime \prime}, 1 Y_{4}^{\prime \prime \prime}$ and $3 / 4^{\prime \prime \prime}$. Mirror finish. Shpg. wt. 1 lo.
    13 H 5587
    Net 1.75
    

    995 - National Coarse \& Fine Thread

    40-pc. set for mechanics, machin. ists, engineers. One tap and die in each of following: 4-36, 12-24, $3 / 6-16,3 / 24,6-32,1 / 4-20,1 / 16-20$, $1 / 2-20.8 / 32,1 / 4-28,1 / 46-14,1 / 2-13$. 10-32, Ks-18, K. $24,1 / 8$-Plpe Tap; plus long handle adjustable tap wrench. "T" handle tap wrench, die handle, screwdriver, screw pitch gauge. Hinged metal box with moulded rubber inlay tray. Imoorted. 13 H 5588 $\qquad$ Shpg. wt., $63 / 4 \mathrm{lbs}$.
    20-PIECE TAP AND DIE SET

    - National Coarse Sizes
    

    Twenty of the most often needed taps and dies. Slizes popularly used in radio, hobby, home, shop and light industry. Contains one tap and one die in each of the following sizes: $6.32,8-32,10-24, \quad 12-24$, $\begin{array}{llll}\text { sizes: } \\ 1 / 2-20, & 6-32, & K_{1}-18, & 3 / 8 \cdot 16, \quad 10-24, \\ K, 14, & 12-24 \\ \text { and }\end{array}$ 12-13. Includes die stock and adjustable tap wrench. Entire set contained in a fifted metal case. Imported. Shpg. wt., 4 lbs. 13 H 5510

    TUNGSTEN SPEED 12-PC. TAP \& DIE SET
    

    - 5 National Coarse Sizes

    Ten taps and dies - most popular national coarse size. High quallty-low cost set for servicemen, hobbyists, experimenters, repalr shops and handymen. Set includes one tap and one die of the following sizes: $1 / 4-20$. $K_{1}-18$. $7 / 6-16$, Kh-14, $1 / 2-13$. Complete with die stock, tap wrench and fitted wooden case. Shor. Wt., 4 lbs. Imported. 13 H 5509 $\qquad$
    HAND TAP SET
    

    - American Standard Thread 5 Most Needed Sizes
    Handy tap set includes most often used sizes. Consists of 6-32, 8.32. $10-32,7_{4}-24$, and $1 / 4-20$ taps. Rugged tap wrench with T-bap handle; all in heavy plastic pouch. All threads are American Standard. Extremelv useful for repair and servicemen. Shor. wt.. 1 tb. Imoorted 13 H5511

    Nef .89
    

    NUT CRACKER $6^{95}$

    Handy tool for cracking "frozen nuts from $X_{b}$ " to "Kan" across flats. Cannot damage bolts. Set chisel at right-angle to the flat of the nut. grip firmiy, swing ratchet on forcing screw. 14 H 2001 Shpg. wt.. $11 / 2 \mathrm{lbs}$.

    ## 12 NEEDLE FILES

    

    95 - Swiss Pattern
    Handy set for the hobbyist. Used by jewelers, watchmak. ers. toolmakers, efc. all over the world. Consists of 12 assorted flat, oval, round, tri. angular and edge files to fit every need. Shpg. wt., 1 to. 14 H 1901 Imparted. Net 1.95
    HANDY WARDING FILE SET
    

    - 5 Individual Files
    Perfect for shop-home-hobby work. Kit consists of flat, half round, trianguler, square, round and taper files. All' with indiwidual hard plastic handles. Sturdy plastic pocket case included. Imported. Shpg. wt. $1 / 27 \mathrm{~b}$.
    13 H 5512
    5-PC. ASSORTED FILE SET
    and durability. Good quality - three standard shapes two triangular. Sizes $6^{\prime \prime}$ to $12^{\text {a }}$. Shog. wt., 2 lbs.
    13 H $5508 \ldots$ Net 1.29
    

    Fits files from 6 to 14*. Fast and aasy file changes - yet will not come off while filing. Rigid one-piece aluminum casting. Durable baked enamel finish. Shpg. wt. 8 lbs. 13 H 8450
    

    ## GREENLEE CHASSIS PUNCHES

    
    

    TYPE 732
    Cut holes in metals up to $1 / \mathrm{s}^{\prime \prime}$ thick with the turn of an ordinary wrench. No sawing, reaming or flling. TYPE 730, Round Holes, AVG. Shpg. wt., $11 / 2$ lbs. ea.

    | Stock No. | Size | Net e2. | Stack Mo. | Size | Net et. |
    | :---: | :---: | :---: | :---: | :---: | :---: |
    | 13 H2901 | 1/2* | 2.70 | 13 H 2926 | 11/4" | 3.15 |
    | 13 H 2902 | \%。" | 2.70 | 13 H 2927 | 1\%* | 3.75 |
    | 13 H 2903 | $58^{\circ}$ | 2.70 | 13 H 2928 | 11/2" | 4.25 |
    | 13 H 2904 | 11/:" | 2.70 | 13 H 2929 | 158" | 5.10 |
    | 13 H 2905 | $3 / 4{ }^{\prime}$ | 2.70 | 13 H 2930 | 17/4" | 5.85 |
    | 13 H 2906 | 1界" | 2.70 | 13 H 2931 | 17\%" | 7.30 |
    | 13 H 2907 | $7 / 8$ | 2.70 | 13 H 2932 | $2^{*}$ | 7.80 |
    | 13 H 2908 | "\%" | 3.00 | 13 H 2933 | 21/8" | 8.45 |
    | 13 H 2909 | $1{ }^{\circ}$ | 3.00 | 13 H 2934 | 214" | 8.45 |
    | 13 H 2910 | 11/6* | 3.15 | 13 H2935 | 21/2" | 13.75 |
    | 13 H 2911 | 11/8* | 3.15 | 13 H 2936 |  | 19.00 |
    | 13 H 2912 | 1\%3\% | 3.15 | 13 H 2938 | 3" | 26.50 |
    | 13 H 2913 | 1\%** | 3.15 |  |  |  |
    | $\begin{aligned} & \text { TYPE } 731, \\ & \text { Shpg. wt., } \\ & \hline \end{aligned}$ | quare lbs. | Avg. | TYPE 732 Shpg. wt., | ed S lbs. | Avg. |
    | Stock No. | Size | Net ea. | stock No. | Size | Net ea. |
    | 13 H 2914 | $1 / 2^{\prime \prime}$ | 6.45 | 13 H 2917 | 15\%" | 6.00 |
    | 13 H 2915 | \%" | 6.35 | 13 H 2910 | 1\%\%" | 6.10 |
    | 13 H 2916 |  | 7.10 | 13 H 2919 | 111/4** | 6.80 |
    | 13 H 2939 | 7/6" | 8.30 | 13 H 2941 | 11\%4" | 7.60 |
    | 13 H 2940 | $1 *$ | B. 60 | 13 H 2942 | 11\%** | 8.50 |
    | Replacement cap screws for 730, round hole, punches above. Shpg. wh. 4 ozs. |  |  |  |  |  |
    | 13 H 2920 |  |  |  |  |  |
    | 13 H 2921 | For 11/8" through 7/8"......... Net 30 |  |  |  |  |
    | 13 H 2922 |  |  |  |  |  |
    | 13 H 2923 |  |  |  |  |  |
    | 13 H 2924 | For $15 / /^{*}$ through $13 / /^{*}$ For 17/g" through 21/2" |  |  |  | . 65 |
    | 13 H 2925 | For 23/4 and $3^{\circ}$ |  |  |  | 3.30 |

    # The Right Tools at the Right Price 

    

    Power push-button $12^{\prime}$. yellow steel measur. ting tape. Easy to read, red, and black, ft., and linch markings. $\mathrm{Kic}_{0}$ and $40^{\circ}$ graduations, with rip belt clip.
    14 M 1605 Shpg. w
    wt., $1 / 2$ $\qquad$ Net 1.95

    ## 91/2" METAL SHEARS

    1 95

    Straight cutting snips with drop forged steel blades. Lock heeps self-opening handle in closed position. Tough plastic grips on handes. $91 / z^{\prime \prime}$ long. Imporied. Shog. wt., 12 oz.
    13 M 5595
    Net 1.95

    ## PUMP TYPE OILER

    

    Controllable pump type oll can with professional flexible spout. Highly chrome plated heavy gauge steel. Brass pumping mechanism. Holds 1/4 pint. Imported. Shps. wt.. $1 / 2$ lb $\qquad$ Net 1.09

    ## COMBINATION SQUARE \& SCRIBER

    ## $89^{\text {c }}$

    8Many uses-tri and mitre square, depth gauge, marking gauge, level, scriber. Graduated 8 ths and 16 ths on one side, 16 ths and 32 nds on other. 12" blade. Shpg. wt., 1 th. 14 H 6113

    Net 10

    ## "LEVEL-UP" UNIVERSAL SURFACE LEVELER $69^{c}$ <br> 

    Level anything. Simply center the bubble in the ring. The "Level-Up" may be mounted on a larger base for spanning large areas. Imported. Shpe. wt.. 4025.
    99 M 8037 Net . 69

    ## LEATHER <br> TOOL HOLSTER

    

    Meavy, pliable, top grain leather. Stitched and riveted. 5 pockets and tape sling. Practical, rugged tool carrier. Overall size $81 / 2 x$ $10^{\prime \prime}$. Imported. Shpg. wt., 11 tb .

    ## HIGH GUN 159

    Quality grease gun using lever pump action. WIII develop up to 3000 ib . pressure. Push type fitting. Spring loaded barrel. i oz. grease capacity. Shpr. wt., $11 / 2$ lbs. 14 M 7014

    ## "LITTLE SHAVER" PLANE <br> $1^{19}$

    Miniature $31 / 2^{\prime \prime}$ adjustable plane for model makers, cabinet work, and precision wood working. 1" tool steel cutter. Cast iron body is milled and enamel finished 14 H 6452 Shpg. wt., $1 / 4$ lb.

    Net 1.19

    ## TUBING CUTTER

    ## $89^{\circ}$

    

    A quallty cutter for copper, brass, or aluminum tubing, Up to $1^{*}$ capacity. Alloy steel cutling wheel; slide-lock reamer. Ideal for light plumbing. etc. Imported. Shog. wt., 8 02.

    13 M 5540 Net . 89

    ## SAFETY EYE GUARD

    ## $89^{\circ}$

    Made In USA. Meets Fed. Spec. for Impact and plercing. Optically clear plastic. Nonfogging. Well ventilated. Undistorted vision. Fits any size correctlve eyeglasses. Shpg. wt.. 402 s .
    13 M 5535
    Net 89

    ## FILTER MASK <br> $99^{\circ}$

    

    Multi-purpose filter mask comes compiete with 3 latex and 3 gauze filters. Protects nose and throat from dust during sanding, boat scraping, grinding and plant or garden spraying. Pifable mash molds to all facial contours. All filters are replaceable. Shpg. wt., 602.

    13 H 5598
    Net .99

    ## "EVER-LEVEL" $69^{\circ}$

    

    Floating pointer. Measures pitch In degrees, measures inch rise per ft. Only $\mathbf{2 "}^{\prime \prime}$ square by 1" thick. Read angle leveling from top-bottom-cr sides. Imported. Shps. wt. 402 s

    ## 13 M 5538

    Net .69

    ## ELECTRICIAN'S

    POCKET KNIFE
    

    Two-blade knife with steady locking device. 8lades: screwdriver, wirescraper; spear. shape. Overall size: $3 \geqslant \mathrm{~m}$. Complete with belt loop. Shpg. wt., 6 oz.

    ## 13 M 5516

    ## SELF LOCKING HASP-LOC

    $$
    2^{50}
    $$

     Net .89

    Self contained; no need to purchase a separate padlock No keys required to lock: keys used for opening only. Meavy-duty and rust droof. Slze $41 / 2^{\prime \prime}$. Shpg, wt., 1 lb .
    13 H 7505

    BRICKLAYER'S
    HAMMER
    All Steel-Cushion Grip
    175
    Fully drop-forged, one olece steel construc tion. Non-slip rubber cushion grip. Hefty 30 02 . Prime lool $11^{4}$ long. Imported. Shps. wt., 3 lbs.
    99 M 8039
    Net 1.75
    FLARING TOOL
    

    Made of high grade chrome plated tool steel Malleable clamp. Rapid opening hinge for swivel cone yoke. Sizes: 3/16" $1 / 4^{\circ "}$, $5 / 16^{\prime \prime}, 3 / 8^{\circ}, 1 / 2^{\prime \prime}$ and $5 / 8^{\prime \prime} 0.0$. Shipg. wt.' $21 / 2$ lbs.
    13 H 5539
    Net 1.49

    \section*{AUTOMATIC CENTER

    ## PUNCH

    }
    ## PUNCH

[^17]:    Lafayette irunk-mounted Automobile Reverberation sound system consists of a solld state amplifier chassis with the reverberation unit, under dash control plate with on-off switch, fader control, and interconnecting cabies. 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 mot have a rear seat speaker, see Lafayette's complete listing of rear speakers on page 260. Mounts convenlently in the trunk of your car. For alf 12 -volt negatlve ground AM or FM auto radios. Dim.: $82 / 2 \times 4 \times 2^{2}$. WL. 3 lbs. 17 H 0111 Net 18.95

