# LAFAYGIE tembs in eve:ry PHiASE OF 

LR-440 STEREO RECEWER WITH 170 WATT 4 CHANNEL AMPLIFIE Sae Pege 6

A-2525 DISCRETE 4 CHANNEL 40 WATT STEREO ANPLIFIER

See, Page 2

## CHANNEL STEREO

## LAFAYETTE MODEL RK-48



LAFAYETE 4 CHANNEL ADAPTES

COMPATIBLE 2 ANE 4 CHANNEL STEREO 8 TRACK CAR RIDEE TAPE DECK ONLY 89.95-See page 3


3 CONVERT YOUR PRESENT 2 CHANNEL STEREO SYSTER 10 DERIVED \& CHANNE STEREO ONLY-2S S5 See Page,4E8

# LAFAYEITE <br> RADIO ELECTRONICS 

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noter Page 111
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## Hear The Full Periormance in True Dimensional Deplh ...Not Just Parl of it!



# Enjoy THE SPECTACULAR NEW SOUND of 4 Channel Stereo Tapes 



- Plays 4-Channel Stereo 8-Track Cartridges thru a 4-Channel Stereo Amplifier
- Plays 2-Channel Stereo 8-Track Cartridges thru either a 4-Channel or 2.Channel Stereo Amplifier

Add the sensational new dimension of 4 -channel stereo sound to your listening area. With the RK-48, you can play exciting new discrete 4 -channel stereo tape cartridges through any Latayette or other brand 4 -channel stereo amplifier on receiver system. The RK-48 is fully compatlble, Can be used as the playback tape deck in conventional 2 -channel stereo 8 Track systems. 3 Ir , in 2 channel stereo systems that Incorporate the exclusive Lafayette Composer Circuit, the RK-48 can be used either to derive 4 channel stereo sound from conventional 2-channel 8 Track cartidges or play discrete 4-channei 8 Track Stereo Tape cartridges, by adding a stereo ampllfier and 2 speakers. The RK-48 has fully autematic mode selection-insert
elther a 2 channel or 4 -channel stereo tape and the deck instantly plays in the correct mode. Individual illuminated program track indicators. Pushbutton program selectors. Manual 2 or 4 -channel mode selector button. Spill-proof mechanism stops tape from wrapping around capstan. Four built-in solid-state stereo playbach preamplifiers. Specifications: Max output 1 volt; Hum \& Noise - 49 db ., Channel Separation 45 db .; Distortion $1 \%$; Wow \& Flutter $0.2 \%$; Frequency response $30-10,000 \mathrm{~Hz}$. $\pm 20 \mathrm{~b}$. For $105-120 \mathrm{~V}, 60 \mathrm{~Hz}$. AC Power Fuse. Size: $91 / 2 \mathrm{~W} \times 101 / 2 \mathrm{D} \times 41 / 2^{\prime \prime} \mathrm{H}$. Imported. Shipg. wt., 10 lbs. 302.
99 R 15950 No Money Down ${ }^{*}$............................... Net 89.95

## LAFAYETTE 4-Channel Stereo 8 Track Demo Tape

Ideal tape cartridge to make sure your 4 -channel 8 -Trach stereo system is properly set up. Program 1 on the tape theludes 400 Hz signals for left front speaker, pight front speaker, Meft rear speaker, right rear speaker. Next you will hear Leonard Bernstein and the New York Philha'minic play excerpts of Tchaihovsky's 1812 overture first in Mono. then In 2 channel stereo, and lastly-magnificent 4 channel stereo. Program 2 consists of excerpts from Tchaikovsky's Swan Lake Ballet in breathtaling 4 channel stereo. Shpg. wt., $6 \mathbf{0 2}$.
2f R 01413L
Net 3.98
RCA 4-Channel Stereo 8-Track Cartridges-7.95 each
2月R 14035 Mair-Original Broadway Recording-Aquarius, Good Morning Starshine. Where Do I Go, Hair, i Got Llie, plus many more.
28 R 14002 Boston Pops - MUSIC FROM MILLION DOLLAR MOVIES Laura, Gigi. Love is a Many Splendid Thing, Song from Moulin Rouge, Around the World in 80 Days, plas 5 mote.
28 R 14080 Eest of Boston Pops - More. On the Trail ffrom "Grand Canyon Sulte"). Hello Dolly. plus 9 more selections.
28 R 14069 Best of Henry Mancini-Pink Panther Theme, Breakfast at Tiffary's, Soldier in the Rain, plus 5 mere selections.
28 R 14028 Highlights From Madame Butterfly. Puccini-Leinsdorf: Conductor, Price, Jucker, Elias, Maero.
28 R 14051 Best of Eddis Armold-Just A Little Loving, Make the Worid Go Away, Anytlme, plus 9 more salections.
28 R 14044 Best of Charlie Pride-Just Between You and Me. The Easy Part's Over, Kaw-Liga plus 9 more :electirns.
Shipping wt., 2 oz. ea.


- See Page 22 for Full Credir Detoils on Easy Pay Plan







## Combination AM/FM Stereo Receiver and Stereo Cassette Tape Recorder

## With Built-in 4 Channel Composer \& Adapter $199^{95}$

## CASSETIE RECORDER FEATURES

- 7 Pushbutton Functions: Play, Record, Fast Forward Rewind, Pause, Stop, Cassette Up
- Large Ilfuminated Dual Record Level Meters
- STD/CrO ${ }_{2}$ Bias Equalizer Switch
- Sound with Sound Mixing - Tront Panel Mike Input Jacks


#### Abstract

Our exciting new cassette music center combines a top-quallty $1 \mathrm{M} /$ FM Stereo Receiver and an advamced Stereo Cassette Recorder in a handsome low proflie cabinet. In addition this Cassette/Recelver has built in 4 chamnel stereo peilities by means of 2 specially designed circuits-Lafayette Composer and Lafayette 4 Dimensifnal Adapter. The LRK-900 features ACRITUME circuitry for foolpioof visual FM tuning accuracy. An FM stereo indicator light illuminates when a FM stereo broadcast is leing received. The STD/CrO, Has equalizer switch permits choice of recording with elther a stancard cassette tape or the new improved chromium dioxide tapes ( $\mathrm{CrO}_{3}$ ). The Cassette Recorder turns off both electrically and mechanically at end of a tape in either Play, Pezord, or Fast Forward Mode. Fiso Includes 3 digit tape counter with reset button; separate bass and treble controls; Pushbutton switches for: Loudness, Stereo/Mono Hi-Filter, Tape, Power On/Off, and a front panel stereo headphone jach. Input jacks are provided for Aux cer. or mag. phono. Rear Panal also includes Tape Recorde; Output jacks and an AC Con-


LRK-900 4 CHANNEL FEATURES Special Buith-in Circuitry that Lets You Listen to the 2 Extra Channels on Your Stereo Records, Stereo Tapes, Stereo FM Broadcasts or from Specially Encoded 4 Channel Material

LAFAYETTE 4 CHANNEL STEREO COMPOSER CIRCUIT-The built-in Composer Circuit derives 4 channel stereo material. By adding an external stereo amplifier and 2 additional speakers to your 2 speaker LRK-900 system, you now have 4 channels of amplification with 4 speakers, You can also record any 2 channel stereo program source in 4 dimensional stereo using a 4 channel recorder. In addition, the LRK-900 can now be used with discrete 4 channel input sources.
LAFAYETTE 4 DIMENSIONAL STEREO ADAPTER - The built in adapter also derives 4 chanmel stereo material. You need only add 2 additional speakers to your 2 speaker LRK-900 system. This gives you 4 speahers and 4 channels of matrixed program material. No extra amplifiers are required.

## AM/FM STEREO RECEIVER FEATURES

- 20 Watt $\pm 1 \mathrm{db}$ Stereo Amplifier
- Advanced Solid State Circuitry
- Main, Remote, or Main and Remote Speaker Selection
- FM Stereo Indicator Light with Acritune
- Magnet and Ceramic Phone Inputs
venience Outlet. Bulit-in AM and FM Antenna - provisions for external AM and FM antennas. Output transistors are fused for overload protection. Specifications: Recelver. Power Output, 20 Watts total $\pm 1 \mathrm{db}$. Input Sensitivity Phono (mag.) 4 mV (cer.) 130 mV Aux, 275 mV . FM tuner IHF Sensitivity $3.5 \mu \mathrm{~V}$. Stereo MPX Separation 35db @ 400 Hz . Cassette Recorder. AC Bias Erase Freq. 98 kHiz , S/N Ratio better than 48 db ., Mike input sensitivity 1 mV , Wow \& flutter less than $.25 \%$. Freq. Response $50-10 \mathrm{kHz}$. Walnut Wrap around metal case with Brushed Gold Aluminum trim. For 117 VAC 60 Hz . Size: $191 / 4 \mathrm{~W} \times 4 \mathrm{H} \times 117 / \mathrm{s}^{*} \mathrm{D}$. Imported. Shpg. wi., 25 lbs .
99 R 02529 No Money Down
Net 199.95
99 R 46161 Dynamic Mike for LRK-900. Wt. I lb. - Net 6.95
$\mathrm{CrO}_{2} 60 \mathrm{Min}$. Cromium Dloxide Tape. Wt, 402.
28 R 47002
Net 2.99
Standard 60 min . Cassette Recording Tape
28 R 01223 Wi. 4 oz.
Net
.99


# Combination AM/FM Stereo Receiver and 8-Track Stereo Tape Cartridge Recorder 

## 

## 8 TRACK RECOROER FLADURES

- Automatic Stop - Motar Shuts Off
- Remove Tape Indicater Light
- Record Safety Interlock Button
- Front Panel Mike Input Jacks
- Pushbutton Track Selecter
- llluminated Track Indicator Lights


## am/FM STEREO RECEIVER FEATURES

- 20 Watt $\pm 1$ db Stereo Amplifier
- Advanced Solid-State Circuitry
- Main, Remote, or Main and Remote Speater Selection
- FM Stereo Indicator Light with Acritune
- Magnetic and Ceramic Phozo Inputs

LRK-855 4-CHANNEL FEATURES-Special Built-in Circuitry Lets You Listen to the 2 Extra Channels on Your Stereo Records, Tapes, FM-Broadcasts, or From Specially Encoded 4-Channel Material

LAFAYETIE 4-CHANMEL STEREO COMPOSER CIRCUIF-The bulit-in Composer Circuit derives 4 -channel stereo materlal. By adding an extermal stereo amptifier and 2 additional speakers to your 2 speake LRK-855 system, you now have 4 charnels of ampllfication with 4 speakers. You can also record any 2 -channel stereo program source in 4 dimentional stereo using a 4 -channei recorder. In addition, the LRK-855 can now be used with discrete 4 -channel input sources.

LAFAYETTE OIMENSIONAL STERED ADAPTER - The DUIIT-IA adapter also derives 4 -channel stereo material. You need only add 2 acditional speakers to your 2-speaker LRK-855 system. This gives you 4 -speakers and 4 -channets of matrixed program material. No extra amplifiers are required.

Here is one of the most advanced hame stereo music systems you can own. The deluxe LRK-855 lea:ures two major innovations: 4. channel stereo compatablity by mea is of 2 specially designed circuits: a Lafayette Composer, ane a Lifayefte 4 Dimensional adapter. In addition, this magnificent $\$ \mathrm{M}^{-} \mathrm{FM}$ stereo receiver $/ 8$-track re-corder-player has a full complement of professional quality features: automatic stop and motor shit-o ${ }^{-1}$ after last chanmel has been recorded, direct 8 -track recordisg $r$ rm the AM/FM stereo receiver, front panel dual-concentric left anc right channel record revel con: trols, 2 Illuminated VU-recond le-el meters, FM-MPX filter, FM-stereo Indicator light, Acritune circui ry for foolproof visual FM tuning accuracy, separate Bass and Trebe controls, pushbu ton controls for Loudness, Stereo/Mono. Hi-fiter, front panel stereo headphone jack, inputs for Aux, Phono (Cek \& mag.). Tape Recording Outputs, unswitched AC convenience outlet, Buif-in AM and FM antennas with provisions for external AM \& FW antennas. Output transistors are ${ }^{\circ}$ See Page 22 for Full Credit Details on Easy Pay Plan
fused for guerload protection, SPECIFICATIONS: Ampllfier Power Oultput: 20 Watts $\pm 1 \mathrm{db}$ IHF, freq. Response: $20-20,000 \mathrm{~Hz} \pm 1.5 \mathrm{dt}$, Harmonic Distortion: $0.2 \%$ at 1 watt, Input Sensitivity - Pnom (Mag.) 4 mV , (Cer.) 130 mV, Aux. 275 mV , Output Impedance: 4 and 8 ohms, Tuner FM Sensitivity: $3.5 \mu \mathrm{~V}$, $\mathrm{S} / \mathrm{N}$ Ratio: 53 db , Stereo MPX Separation: 35 db at 400 Hz . 8 -Trach Recorder Mike Input Sens. tivity: 1 raV, Mike impedance: 3.3 k ahms, Bias Freq.: 80 kHz , Frec. Response: $30-10,000 \pm 2 \mathrm{db}$, Flutter: $0.25 \%$, Channel Separatior: 30db. Solld-state Circuitry: 45 Transistors, 31 Diodes. Wainurfinished metal wrap around case. Brushed gold amodized aluminum trim. for 117 VAC, 60 Hz . Size: $41 / 2 \times 191 / 2 \times[31 / 4$ "D. Importec. Shpg. wt. 25 lbs.
99 R 02511 No Money Down ${ }^{\circ}$
Net 219.95
Dynamic Wike for LRK-855. Shpg. wt., 1 lb.
99 R 461 G1
Net ea. 5.95

## AM/FM Stereo Receiver with Built-In 2 and 4-Channel 8-Track Stereo Tape Player

## With Built-in 4-Channel Composer \& Adapter

 $179^{95}$
## CARTRIDGE TAPE PLAYER FEATURES

- Automatic Mode Selection for 2 or 4-Channel Tapes
- 4 Solid-State Stereo Playback Pre-amplifiers
- Individual Illuminated Program Track Indicator Lights
- Remove Tape Indicator Light
- Spill-Proof Capstan Mechanism


#### Abstract

Newly designed and engineered with the latest refinements and innovations found in today's stereo high fidellity components. This versatile AM/FM Stereo Recelver reatures 4.CHANNEL STEREO COMPATABLLITY by means of 2 spectally designed built-in circultsthe exclusive Lafayette 4 . Channel Composer and the Lafayette 4 Oimensional Stereo Adapter. In addition, the LRK-480 includes a 2 and \&-channel 8 -Track stereo Tape Player. By adding an external stereo amplifier and 2 speakers you can play the new 4 -channel \& Track Stereo Tape Cartridges thru the Lak-480. Using the Composer circuit, you can also derive 4 -channel stereo material from conventionai 2.channet 8 -Track Stereo Cartridges. FM stereo broadcasts, and records (when you connect a stereo record changer with elther 3 ceramic or magnetic pick-up). An excluslve Remove Tape Indicator illuminates with the power turned off and a tape cartidige left fully inserted in the player. This feature will preserve the life


## LRK-480 4-CHANNEL FEATURES

EUILT-IN G-GNANNEL G-TRACK STEREO TAPE PLAYER-Plays 4channel stereo 8 -track cartridges with the addition of an external stereo amplifier and 2 speakers.
LAFAYETTE 4-CHANNEL STEREO COMPOSEA CIRCUIT-The built-in Composer Circuit derives 4 -channel stereo material from your 2-channel stereo tapes, records, and FM broadcasts, or from specially encoded 4 -channel material. By adding an external stereo amplifier and 2 additional speakers to your 2 speaker LAK- 480 system, you now have 4 -channels of amplification with 4 speakers. You can also record any 2 -channel stereo propram source in 4 .dimensional siereo using a 4 -channel recorder. You can also plug in a 4 -channel reel-to-reel tape dech.
LAFAYETTE 4 -OIMENSIONAL STEREO ADAPTER-The built in adap. ter also derives 4 -channel stereo material from $\mathbf{2}$-channel stereo tapes, records, and FM broadcasts. However, you need only add 2 additional speakers to your 2 speaker LRK-480 system. This gives you 4 speakers and 4 channels of matrixed program material. No extra ampllitiers are required.

## AM/FM STEREO RECEIVER FEATURES

- 20 Watt $\pm 1 \mathrm{db}$ Stereo Amplifier
- Advanced Solid-State Circuitry
- Main, Remote, or Main and Remote Speaker Selection
- FM Stereo Indicator Light With Acritune
- Magnetic and Ceramic Phono Inputs
- Front Panel Stereo Headphone Jack
of your cartridges and the player's lape head. The Recelver Section leatures an FM stereo Indicator IIght and ACRITUNE circuitry for foolproof visual FM luning accuracy. Aux inputs, Tape Record Outputs and an AC convenience jack are provided on the rear panel. Separate bass and treble controls. Pushbutton switches for Tape/ off, Loudness, Stereo/Mono, Hi-Filter.
SPECIFICATIONS: Power Output. 20 Watts $\pm 1 \mathrm{db}$; Frea. Response $20-20,000 \mathrm{~Hz} \mp 1.5 \mathrm{db}$; Harmonic Distortion $0.2 \%$ at 1 -Watt; Input Sensifivity. Phono (mag.) 4 mV , (ceram.) 130 mV . Auxiliary 275 mV ; Output Impedance, $4 \& 8$ ohms. Tuner-FM Sensitivity $3.5 \mu \mathrm{~V} ; \mathrm{S} / \mathrm{N}$ Ratio 63 db ; Stereo MPX Separation 35 db at 400 Hz . Built-in AM and $F M$ antennas. Provisions for external $A M$ and $F M$ antennas, Size: $41 / 2 \times 191 / 2 \times 131 /{ }^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 30 lbs . Imported. 99 R 02677 WX No Money Down*

Net 179.95
${ }^{\circ}$ See Page 22 for Full Credit Details on Easy Pay Plan


- Professional Garrard Model 40B Stereo Automatic Turntable
- Pickering V15/AC-3 Dustamatictw Stereo Cartridge with Diamond Needle
- Stereo Mike Input-Can use as a PA Amplifier
- Main and/or Remote Speaker Outputs

The "Iow profile" LRC-70 has been created for the connolsseur who demands magnlficent sterea ml -fide lity performance from a compact. gracefully styled control unit. The LRC-70 has been designed for complete ease of installation and use. This has been accomplished by integrating a superb Latayelte AM/FM Stereo Receiver and a professional Garrard stereo record changer onto handsome base. The LRC-70 contains a powerful solid-state 50 .watt AM/FM stereo Receiver with 2 FET's, 31 Transistors, 25 Diodes, and 2 Thermistors. Features an illuminated AM/FM signal strength tuning meter, auto. matic FM Stereo switching. MX Iilter, FM stereo indicator IIght, and a 4-Gang FM tuning condecser lor extra sensitivity. The renowned Garrard 40 B stereo turntable teatures a full viscous damped tone arm and single lever cueing. Plays $7^{\prime \prime} 10^{*}$, and $122^{\prime \prime}$ records at $163 / 3$, $331 / 2,45$, and 78 rpm . A Celuxe Pickering V15/AC-3 DustamatictM stereo cartridge is already installed in the lone arm. LRC-70 controis

- Power Output 50 Watts at 4 ohms $\pm 1 \mathrm{db}$
- Tape Input and Output Jacks
- Tape Monitor Pushbutton
- Front Panel Stereo Headphone Jack
- Automatic FM Sterec Switching
incluce: pushbutton loudness, tape monitoring, high filter, and sterem/mono mode selection, voncentric volume/balance, bass, treble, and a mode selector. Outputs for use of Main, Remote, Main and Remote speakers are provided. 2 Front panel stereo Mike Inputs, Tape Inputs, Front and rear panei Tape Outputs. 2 AC convenience outleis, external FM antenna iack. Specifications: Amplifier; Response, $20-20,000 \mathrm{~Hz} \pm 1.5 \mathrm{db}$, Output, 50 watts at 4 ohms (both channeis) $\pm 1$ db, 40 watts 1 HF . In put Sensitivity: Phono Maj. 4 mV , Aux. 250 mV , MIc. 6 mV . FM sensitivity; $2.5 \mu \mathrm{~V}$. IHF, Selectivity: Adjacent Channel: 40 db, AM Selectivity; $\pm 20 \mathrm{kHz} 35 \mathrm{db}$. Size: $17 \times 9$ $\times 161 /{ }^{2}=$. Imported. For 117 VAC $50 / 60 \mathrm{~Hz}$. 99 R 02347 wX Shpg. wt., 36 lbs.

Net 259.95
Beautiful, Heavy Gauge, Tinted Plexiglass Dust Cover for LRC-70. 24 R 09050W Shpg. wt., 2 lbs.

Net 8.95
 4-DIMENSIONAL STEREOPHONIC SOUND

## Save $30^{00}$

From individual catalog prices
Magnificent sounding 4.dimensional steres system featuring the Lafayette 4 -channel adapter (see page $46:$ for descrip ion) with the LRC-70 Conyol Center and 4 Criterion 50A Speaker Systems. As you listen to your records, apes or FM-stereo radio broadcasts ins acousties of the original recording hall are literally superimposed in your own room with this brilliant performing sastem. Shpg wt., 157 lbs.
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Net 379.70
Same System as above but with deluxe Lafayette/Pickering Phase 44 Elliptical Diamund Stytus Siereo Cartridpe. Sppg. wt., 57 los.
99R 99921 WKM
Net 415.65

## W










## Convert to 4 Channel with These Money Saving Packages

## SAVE an ADDITIONAL 9.00 When You Buy the NEW LAFAYETTE/Pickering Phase 44 Elliptical Diamond Needle Cartridge with the Above Package See page 83 for description of Lafayette/Pickering Phase 44 Stereo Cartridge.

[^0]SAVE 15.00 When You Buy the Lafayette 4-Channel adapter and 2 Lafayette Criterion 100B 3-way 3 -speaker systems (See page 58 for description of the 1008 's). Shpg. wt., 65 lbs . 99 R 99897 WXM No Money Down

Net 114.85
Same package as above plus Deluxe Lafayette/Pickering Phase 44 Elifiptical Diamond Needle Stereo Cartridge. Shipg. wt., 65 lbs . 99 R 99905 WXM No Money Down

Net 150.80

SAVE 20.00 When You Buy the Lafayette 4-channel adapter and 2 Lafayette Criterion $4 \times 4$-way 4 -speaker systems (See page 60 for description of the Criterion 4 X 's). Shpg. Wt, 83 lbs.
99 R 99830 WXM No Money Down *
Net 168.85
Same package as above plus Deluxe Lafayette/Pickering Phase 44 Elliptical Diamond Needle Stereo Cartridge. Shpg. wt., 83 lbs . 99 R 99848 WXM No Money Down ${ }^{\circ}$.................. Net 204.80

# CONVERT to a Discrete 4-Channel Stereo System with the new Lafayette LA-424 auadnaural auxiliary amplifier <br> AAA 2.YEAR GUARANTEE < See Page 415 for Terms 



ONLY
$59^{95}$
No Money Down*

## DISCRETE 4-CHANNEL SYSTEM HOOK.UP

Front Speakers


Rear Speakers

## OUTSTANDING FEATURES

- Exclusive Master Gain Control For All 4-Channels of Both Amplifiers
- Dual Bass and Treble Controls For 2 Rear Channels
- Main and Remote Speaker Selection For 2 Rear Channels
- Loudness Control to Enhance Bass Quality at Low Listening Levels
- Comes Supplied with All Interconnecting Amplifier Cables
- Power Output 50 Watts $\pm 1 \mathrm{db}$
- Your present 2 -channel stereo system is not obsolete. Just add the

LA- 424 Quadnaural Auxiliary Amplifier and 2 more speakers and thrill to the spectacular realism of discrete 4-channel sound reproduced thru 4 separate amplifiers.

- The Quadnaural Amplifier also has built-in Lafayette 4 -channel "Composer" circuitry to derive 4 -dimensional sound from 2-channel stereo records, tapes, and FM broadcasts without the need for any additional external adapter.

The LA-424 Quadnaural Auxiliary Amplifier has been designed for converting regular 2 channel stereo systems into magnificent discrete 4 -chanmel stereo systems. It cannot be used as a regulas 2 -channel stereo amplifier by itself. With the addition of the LA-A24 and 2 more speakers you are now ready to plug-in a discrete 4 -channel input source such as a 4 -channel 8 -Track cartridge or reel-to-reet deck. The LA-424 has another exclusive feature built-in, the Lafayette Composer Circuit. This enables the listener to derlve 4 -dimensional sound from 2 -channel stereo records, tapes, and FM broadcasts without the need for any additional external amplifier or adapter. Specifications: Power output: 50 watts $\pm 1 \mathrm{db}, 40$ Watts IHF; Frequency Response: $20-20,000 \mathrm{~Hz} \pm 1.5 \mathrm{db}$; Harmonic Distortion $0.07 \%$ at 1 kHz at 1-Watt; Channel Separation: 600 b at 1 kHz ; Power \&iandwidth $35-30,000 \mathrm{~Hz}_{\text {; }}$, Speaker Impedance 4, 8, 16 ohms; Sterso Headphones, 8 -ohms. Controls: Dual Master Volume-Front and Rear, Dual Bass and Treble, Switches for "Composer" On/Off, Mono/Stereo Mode, Loudness On/OFf, Speakers-Main/Remote. Front panel headphone jack. 1-AC Convenience Output (unswitched) on rear panel. Only $10 \% / 6 \mathrm{~W} \times 31 / 2 \mathrm{H} \times 83 / 8 \mathrm{~s}$ "D. Complete with simulated walnut vinyl-clad metal case. For $105-120 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$ with $A C$ power fuse. Imported. 99 R 02727 W No Money Down*. Shpg. wt., 10 lbs.

Net 59.95

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by mail<br>\section*{in person}

Shop in the comfort of your home at any time no matter where you live. Simply fill in order blank and mail. See pages 416 and $41^{17}$ for helpful ordering information.

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

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## 53 CONVENIENT SHOPPING LOCATIONS




## NEW JERSEY

NEWARK
07102
24 Central Ave. (west of Broed St.)
hone: $201622-1661$

182 Route 17
I mile north of Gorden State Plaza) Phone: 201 261-8800

139 W. 2nd $5 t$
(I block east of Front St. L
Phone: 201 756-5100

410 Route 46
hone: 201 785-1763

## MARYLAND

NEW
Rolling Rd. (No. of R1. 40) Fall 1971

316 S. Ritchie H'way
(So. of Old Annapolis Rd.)
Phone: 301 760-5700
T. RAINIER/HYATTSVILLE 20822

At Chillum Ave.
Phone: 301 779-7020

## ROCKVILLE <br> 24 Rockville Pike

NLW (So. of Viersmill Rd.)
Fall 1971

815 Taylor Avenue
(Loch Roven Ploza)
Phone: 301 825-7750

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Flaza 7 Shopping Center
ror. Wilson \& Roosevel! Blud.)
cross from 7 (orners

## GEORGIA

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(opposite Sear's)
Phone: 404 237-8206

8610 Memoriol Drive
Phone: 404 292-3474

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| \$490.01 | \$500.00 | \$64.75 | \$35.00 | \$98.00 | \$25.00 |
| 480.01 | 490.00 | 63.50 | 34.50 | 96.00 | 24.50 |
| 470.01 | 480.00 | 62.25 | 33.50 | 94.00 | 24.00 |
| 450.01 | 470.00 | 61.00 | 33.00 | 92.00 | 23.50 |
| 450.01 | 460.00 | 59.50 | 32.50 | 90.00 | 23.00 |
| 440.01 | 450.00 | 58.25 | 31.50 | 88.00 | 22.50 |
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| 420.01 | 430.00 | 55.75 | 30.00 | 84.00 | 21.50 |
| 410.01 | 420.00 | 54.25 | 29.50 | 82.00 | 21.00 |
| 400.01 | 410.00 | 53.00 | 29.00 | 80.00 | 20.50 |
| 390.01 | 400.00 | 51.75 | 28.00 | 78.00 | 20.00 |
| 380.01 | 390.00 | 50.50 | 27.50 | 76.00 | 19.50 |
| 370.01 | 380.00 | 49.00 | 26.50 | 74.00 | 19.00 |
| 360.01 | 370.00 | 47.75 | 26.00 | 72.00 | 18.50 |
| 350.01 | 360.00 | 46.50 | 25.00 | 70.00 | 18.00 |
| 340.01 | 350.00 | 45.25 | 24.50 | 68.00 | 17.50 |
| 330.01 | 340.00 | 43.75 | 24.00 | 66.00 | 17.00 |
| 320.01 | 330.00 | 42.50 | 23.00 | 64.00 | 16.50 |
| 310.01 | 320.00 | 41.25 | 22.50 | 62.00 | 16.00 |
| 300.01 | 310.00 | 40.00 | 22.00 | 60.00 | 15.50 |
| 290.01 | 300.00 | 38.50 | 21.00 | 58.00 | 14.50 |
| 280.01 | 290.00 | 37.25 | 20.00 | 56.00 | 14.00 |
| 270.01 | 280.00 | 36.00 | 19.50 | 54.00 | 13.50 |
| 260.01 | 270.00 | 34.50 | 19.00 | 52.00 | 13.00 |
| 250.01 | 260.00 | 33.25 | 18.00 | 50.00 | 12.50 |


| \$100.01 to \$250.00 |  | Standard PLAM |  | EXTENDED PLAN |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| If Unpal (Amount From From | Balance nanced) Is To | Add for FINANCE CHARGE | Monthly Payment Is | Add for FINANCE CHARGE | Monthly Payment Is |
| \$240.01 | \$250.00 | \$32.00 | \$17.50 | \$48.00 | \$12.00 |
| 230.01 | 240.00 | 30.50 | 17.00 | 46.00 | 11.50 |
| 220.01 | 230.00 | 29.25 | 16.00 | 44.00 | 11.00 |
| 210.01 | 220.00 | 28.00 | 15.50 | 42.00 | 10.50 |
| 200.01 | 210.00 | 28.50 | 15.00 | 40.00 | 10.00 |
| 195.01 | 200.00 | 25.75 | 14.50 | 39.00 | 9.75 |
| 190.01 | 195.00 | 25.25 | 14.00 | 38.00 | 9.50 |
| 185.01 | 190.00 | 24.50 | 13.75 | 37.00 | 9.25 |
| 180.01 | 185.00 | 23.75 | 13.50 | 36.00 | 9.00 |
| 175.01 | 180.00 | 23.25 | 13.00 | 35.00 | 8.75 |
| 170.01 | 175.00 | 22.50 | 12.50 | 34.00 | 8.50 |
| 165.01 | 170.00 | 22.00 | 12.00 | 33.00 | 8.25 |
| 160.01 | 165.00 | 21.25 | 11.50 | 32.00 | 8.00 |
| 155.01 | 160.00 | 20.50 | 11.00 | 31.00 | 7.75 |
| 150.01 | 155.00 | 20.00 | 10.75 | 30.00 | 7.50 |
| 145.01 | 150.00 | 19.25 | 10.50 | 29.00 | 7.25 |
| 140.01 | 145.00 | 18.50 | 10.50 | 28.00 | 7.00 |
| 135.01 | 140.00 | 16.75 | 10.50 | 27.00 | 6.75 |
| 130.01 | 135.00 | 16.25 | 10.25 | 26.00 | 6.50 |
| 125.01 | 130.00 | 14.50 | 10.25 | 24.00 | 6.50 |
| 120.01 | 125.00 | 14.00 | 10.00 | 23.00 | 6.25 |
| 115.01 | 120.00 | 12.50 | 10.00 | 21.00 | 6.25 |
| 110.01 | 115.00 | 12.00 | 10.00 | 20.00 | 6.00 |
| 105.01 | 110.00 | 10.50 | 10.00 | 18.35 | 6.00 |
| 100.01 | 105.00 | 9.25 | 10.00 | 17.50 | 5.75 |

The ANNUAL PERCENTAGE RATE of each FINANCE CHARGE set forth in the above tables is $17.75 \%$. The number of payments will be the Total of Payments (Amount Financed plus the FINANCE CHARGES) divided by the amount of one monthly payment.

| \$50.01 to \$100.00 |  | STANDARD PLAN |  |  | EXTENDED PLAN |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| If Unpal (Amount From | Balance nanced ${ }^{\text {s }}$ Is To | Add for FINANCE CHARGE | Monthly Payment Is | ANNUAL ERCENTAGE RATE | Add for FInANCE CHARGE | Monthly Payment Is | ANNUAL RCENTAGE RATE |
| \$95.01 | \$100.00 | \$9.25 | \$10.00 | 18.50\% | \$15.65 | \$5.50 | 17.50\% |
| 90.01 | 95.00 | 9.25 | 9.75 | 19.50 | 14.85 | 5.50 | 17.50 |
| 85.01 | 90.00 | 9.25 | 9.50 | 22.50 | 13.45 | 5.25 | 17.75 |
| 80.01 | 85.00 | 9.25 | 9.25 | 23.75 | 12.00 | 5.25 | 17.75 |
| 75.01 | 80.00 | 9.00 | 9.00 | 24.50 | 10.70 | 5.00 | 17.75 |
| 70.01 | 75.00 | 8.40 | 8.00 | 24.50 | 10.00 | 5.00 | 18.75 |
| 65.01 | 70.00 | 7.80 | 7.50 | 24.50 | 10.00 | 5.00 | 21.25 |
| 60.01 | 65.00 | 7.20 | 7.00 | 24.50 | 10.00 | 5.00 | 24.50 |
| 55.01 | 60.00 | 6.65 | 6.50 | 24.50 | 8.55 | 5.00 | 24.50 |
| 50.01 | 55.00 | 6.10 | 6.00 | 24.50 | 7.25 | 5.00 | 24.50 |


| \$20.00 to \$50.00 |  | STANDARD PLAN |  |  |
| :---: | :---: | :---: | :---: | :---: |
| If Unpaid Balance (Amount Financed) is |  |  |  | ANNUAL |
|  |  | Add for | Monthly | PER- |
|  |  | FINANCE CHAREE | Payment Is | CENTAGE |
| \$45.01 | \$50.00 | \$6.00 | \$5.00 | 24.50\% |
| 40.01 | 45.00 | 5.25 | 4.75 | 26.00 |
| 35.01 | 40.00 | 4.75 | 4.25 | 26.75 |
| 30.01 | 35.00 | 4.50 | 3.70 | 29.25 |
| 25.01 | 30.00 | 3.50 | 3.35 | 30.00 |
| 20.00 | 25.00 | 3.00 | 2.70 | 32.00 |


minimum DRDER $=\$ 30$
minimum "ADD-DN" $-\$ 20$

Number of payments will be Total of Payments (Amount financed plus the FINANCE CHARGE) divided by the amount of one monthly payment.

# MAKE LAFAYETTE YOUR ONE DEPENDABLE SOURCE FOR EVERYTHING IN ELECTRONICS 

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of shipping and routing gives you the fastest and most dependable service.

## LAFAYETTE MODEL RK-850 20-WATT SOLID-STATE 8-TRACK STEREO AMPLIFIER/PLAYER



No Money Down*
with EXCLUSIVE "REMOVE TAPE INDICATOR LIGHT" Insures That You Do Not Damage The Tape Mead and Your Cartridges

- 20-Watts $\pm 1 \mathrm{db}$ of Stereo Power
- Inputs For Phono, Tuner, Tape
- Tape Outputs - Stereo Headphone Jack

The RK-850 combines a complete 8 -track stereo playback system with a powerful 20 -watt full feature stereo ampliffer on one Integrated chassis. Advanced solid-state circuitry (16 transistors, 3.dlodes, and 2 -thermlstors) prowldes instant-on play with supert high fidelity performance and reliablility. The RK-850's exctusive "Remove Tape" indicator light will provide years of trouble-free 8 -track performance ... no longer will you have to worry about damagling the playback head by leaving a tape inserted in the player after you have turned the power off; a "Remove Tape" bulb illuminates with the power turned off and a tape cartridge left fully inserted in the player. This feature will also preserve the Ife of your cartridges. Convenient operating features include: Pushbutton Track selector; 4-illuminated Track indicator lights; Selector Switch for choice of inputs: Phono (with ceramic cartridge), Tuner,

- Main and Remote Speaker Switch
- Individual IIluminated Track Indicator Lights
- Pushbutton Track Selector
and Auxillary; plus tape output for external tape recorder. Pushbutton Swltches for: Main and Remote speakers; Loudness Stereo/ Mono mode; Power on/off with Pilot Lamp. Separate controls for Volume/Balance, Treble, Bass. Stereo headphone jack for private listening. SPECIFICATIONS: Tape Section-Response: 30 Hz to 10 kHz ; $\mathrm{S} / \mathrm{N}: 50 \mathrm{db}$; Wow and Flutter: $0.3 \% \mathrm{rms}$. Amplifier SectionFrequency Response: 20 Hz to 20 kHz ; Separation: $60 \mathrm{db} ; \mathrm{H} / \mathrm{D}: 0.2 \%$; Input Sensitivity (Aux., Tuner, Phono CER.): 250 mV ; Hum and Noise (Aux., Tuner, Phono CER.: 70 db . Distinctive styling features a black front panel accented by brushed gold anodized aluminum trim and simulated walnut grain case. For $105 / 120$ VAC., 60 Hz . Imported. Size: $12 \mathrm{~W} \times 33 / 4 \mathrm{H} \times 91 / \mathrm{s}^{\circ} \mathrm{D}$.

99 R 15836 W Shpg. wt., $151 / 2 \mathrm{lbs}$.


Griterlon 2 X



Criterion $2 x$ 4 CHANNEL SYSTEM PRICE $152^{88}$ SAVE 16.75 From Individual Catalog Prices

## 2 CHANNEL STEREO SYSTEM

An excellent stereo system that consists of the Lafayette RK-850 20 watt Solid-State 8-Track Stereo Amplifier/Player with its hi.fidelity 8 -track tape playback and exclusive "Remove Tape Indicator Light", 2 Lafayette Criterion $2 \times \quad 2$-speaker, 2 -way acoustic suspension speaker systems, and speaker cable. Shpg. wt., $311 / 4 \mathrm{lbs}$. 21 R 90437wxm No Money Down*

Net 98.95


Lafayette 4-Channel Adapter

# LAFAVETTE 160 Watt Solid State Stereo Amplifier Enjoy the Richness of Superb Stereophonic Sound ! 



Power Output: 160 Watts $\pm 1$ db., 125 Watts IHF, at 4 ohms. Frequency Response: $22 \cdot 20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. Power Bandwidth: $13 \cdot 35,000 \mathrm{Mz}$. Harmonic Distortion: Less than $1 \%$ at rated power; $0.05 \%$ at 1 watt ( kHz ). Channel Separation: 65 db at 1 kHz . Hum and Noise: Aux. and tuner - 75 db , mag. phono and
mic/musical - 56 db . Input Sensitivity: Aux. 250 mV ; Tuner: (hlgh) 750 mV . (low) 115 mV ; Iape Play: 500 mV ; Phono (mag.) (hteh) 2.2 mV , (low) 7 mV ; Phono (ceramic): (high) 75 mv (low) 240 mV . Low frequency Filter: - 17 db at 20 Mz . High Frequency Filier: - 10 db . at 10 kHz .

See Page 48 for LA-125B 2 Channel and Derived 4 Channel Stereo Hi-fi Systems


Speaker Mode Switch selects Main or Main and Remote, Remote speakers, or headphones only.


Font panel stereo headhone jack for private pistening.


[^1]DEPENDAELE ERFORMANCE
plus
STVLINE OF
DISTINCTION

## $(0) 95$



##  <br>  <br> Pushbutton Function Switches Activate Loudness, Stereo/Mono, Tape Monitor, and/or High Filter functions.   

## Lafayette 100 Watt Solid State Stereo Amplifier

 - Main-Remote Separate/Simultaneous- Front Panel Stereo Headphone Jack - Front and Rear Tape Output Jacks - Decorator Styling of Distinction

 Mode switch in the "Phones" position, only the headphones receive
 tuner, phono, Tape Play, and Tape Record; Fused right and speaker outputs for stereo sound anywhere in your home without extra amplifiers or switches; 1 switched and 1 unswitched AC outiel; AC power fuse. Power requirements: $105-120 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Dimen-
sions: $12 \mathrm{Wx} 91 / \mathrm{DOX33/4} \mathrm{H}$. Imported.
Net 89.95

 Frequency Response: $20-20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$; Power Bandwidth:
$15-30,000 \mathrm{~Hz} ;$ Harmonic Distortion: Less than $1 \%$ at rated See Page 47 for LA. 750 2-channel \& Derived $\mathbf{4}$-channel Stereo $\mathbf{~ H i - F i}$

|  |
| :---: |



Speaker rocker switch permits
amplifier output switching to amplifier output switching to remote speakers in any d
sired room in your home.

Loudness rocker switch for
tonal balance at low volume
levels. 2 AC convenience outlets (1 switched, 1 unswitched) in Front panel headphone jack
permits private listening to yeur favorite stereo programs.

Functionally designed input
control for switching to Auxil-
iary. Tuner. Magnetic or Cer-
amic cartridge input sources.

 $-$

## 50 Watts $\pm 1 \mathrm{db}, 40$ Watts 1 HF , at 4 ohms

 Frequency Response: $20-20,000 \mathrm{~Hz} \pm$ Main-Remote Speaker SwitchMain-Reautifully Styled Front Panel
 Case

LA-324A



 home, the La-324A will drive most speaker systems to maximum vo
uree while maintaining very good frequency response and low disto
 even the most critical listener. 18 transistors, 4 diodes and 2 therm-
istors are incorporated into the advanced circuitry of the LA-324A. It falures a front panel stereo headphorie jack, fused right and left
channel output transistors for protection against overloads, and full channel output transistors for protection against overloads, and ful
 Aux., Tuner, Mag Phono, and Ceramic Phono. Also included are rock-
er switches for Mono/Stereo Mode, Remote/Maln Speakers, and Loudness. Rear panel features stereo inputs for Aux. Tuner and Phono; 2 AC convenience outlets (1 switched, 1 unswitched); Tape
Output jack; and Main and Remote Speaker terminals for 4. and 8
 complement any home decor. Complete with simulated walnut vinylS6.69 JON S6.69 Jon

"Stereo 25" 20-Watt
Solid State Stereo Amplifier

## 



- 20 Watts $\pm 1 \mathrm{db}$ of Stereo Power $\dagger$

The stereo 25 offers a full 20 watts of stereo music power. Faithfully reproduces the full spectrum of audio sound with adequate volume and very low distortion, Solid state design assures minimum heat for safe placement anywhere and years of top-notch performance. Convenlent operating features include front panel rocker switches for activation of source (tuner, phono or auxillary), selection of stereo or mono outpout, selection of remote or main speak. ers, and power on/off. A full complement of controls is supplied for best stereo effects and permits you to "tallor" the sound to suit your taste! Front panel controls include separate bass, treble,

## "STEREO 25"

Power Output: 20 watts $\pm 1 \mathrm{db}$ ( 10 watts per channel) at 4 or 8 ohms. Frequency Response: $20-20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. Power Bandwidth: 40 . $\mathbf{2 5 , 0 0 0} \mathrm{Hz}$. Harmonic Distortion: $0.1 \%$ at 1 watt. Hum and Noise: - 70 db . Channel Separation: 60 db . Input Sensitivity: Aux., 250 mv ; Tuner, 500 mv ; Phono, 250 mv . Stereo Outputs: main speakers, re-

## - Main/Remote Speaker Switch

## - $20-20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$ Frequency Response

## - Front Panel Stereo Headphone Jack

concentric volume/balance and stereo headphone jack for private listening. Stereo outputs are avalable for 4.16 ohm main and remote speakers. Permits placement of speakers in main listening area plus in the recreation room, den, dining room or patio area. Attractive, modern styling with a matte black and satin gold front panel is complemented by a handsome walnut grained vinyl clad metal enclosure. Fused AC Ine and separately fused speaker outputs prevent damage to output transistors. Operates on 105-120 VAC, $50 / 60 \mathrm{~Hz}$. Size: $101 / 4 \mathrm{Wx} 31 / 2 \mathrm{Hx} 6 \mathrm{~K}_{4}$ "D. Imported.
99 R 02271 W Shpg. wt., 7 lbs.
Net 39.95

## SPECIFICATIONS

mote speakers, stereo headphones. Controls: concentric Volume/ Balance; master Bass; master Treble; Rocker switches for: Aux., Phono, Tuner, Stereo/Mono Mode, Remote/Main Speakers, and On/Off Power. With front panel pilot light and rear panel AC convenlence outlet. †Rating standard used by major hi-fi audio manufacturers.

## Specially Matched 20-Watt Stereo Phono Systems



## Superior 20-W att Stereo System

This spectally matched value-packed stereo system includes the Lafayefte "Stereo 25" 20-Watt Solld State Stereo Amplifier; Garrard Model 30 4 -Speed Automatic Turntable with oversized turntable, ceramic stereo cartridge and long-life dlamond stylus; Matching turntable base; and 2 decoratively designed fine performing lafo ayette Criferion 2 X oilled-walnut 2 -way bookshelf speaker systems with $6^{\prime \prime}$ woofer, and $3 \sqrt{2 \prime \prime}$ direct radiator cone tweeter. With speaker with $6^{\prime \prime}$ woofer, and $31 / 2$
cable. Shpg. wi.t. 35 lbs .
21 R 93340 WXM


## Special 20-W att Stereo System

An outstanding value for performance and price this stereo system consists of: the Lafayette "Stereo 25" 20.Watt Solld State Stereo amplifler; Garrard Model 30 4-Speed Automatle Turntable with ceramic stereo cartridge and diamond stylus; Matching turntable base; and 2 famous Lafayefte Criterion 50A 30-Watt 2-way speaker systems with $8^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ tweeter and tuned ducted port in an attractive olled walnut finished enclosure for bookshelf and wall placement. Complete with speaker cable. Shpg. wt., 59 lbs. 21 R 93357 WXM Dust cover for Model 30 . Shpg wt., $31 / 2 \mathrm{lbs}$. 21 R 40267W

# "Stereo 10A" <br> Solid State Stereo Amplifier 



## Only

$27^{755}$

\author{

- Big Performance
}

Attractive, neat stying, plus compact size and big performance characterize this moderately priced stereo ampllifler. The "Stereo $10 A^{\prime \prime}$ is ideal for the hi-fl beginner or for use as a second stereo system for the living room, den, bedroom, or business. Perfect for areas where space is a limiting factor, the "Stereo 10A" can be installed easily on a bookshelf or end table. It can be used with record players, AM, FM, and FM Sterps tuners. Solld-state circultry consisting of 10 transistors, and 2 diodes provides clean sound for cool, Instantaneous operation. Input Impedance: 400 K Ohms. Cross Talk: 45 db . Hum and Noise: 55 db . below rated output. Output stages couple directly to the speaker for smooth frequency response with high Impedance crystal or ceramic phono cartridges.

Front panel features: Separate volume controls for Left/Right channels; Tone control for Bass and Treble; Rotary selector switch for Phono, Tuner and Auxillary; Individual sllde switches for Mono/ Stereo Hode, Power-On/Off and speakers-Main/Remote; stereo headphone jack for private listening; Power On/Off Indicator light. Rear panel features: Leff/Right channel inputs for phono, tuner and auxlllary; Left/Right channel outputs for maln, and remote speakers; switched AC convenience outlet. Beautifully finished brushed aluminum front panel with complementary metal knobs and attractive metal case. Size: $9 W \times 31 / 2 \mathrm{H} \times 61 / 2 \prime \mathrm{D}$. For $105-125 \mathrm{VAG}, 50 / 60 \mathrm{~Hz}$. Imported. Shpg. wt., $51 / 2 \mathrm{Ibs}$.
99 R 02289

## Popular Stereo Phono Music Systems With "Stereo 10A"



This popular hi-fi beginner's 2nd stereo system consists of: Lafayette Stereo 10A Compact stereo amplifier; Lafayette Model AC50B 4speed automatic push-button stereo record changer with stereo turnover ceramic cartridge and diamond LP needle, with professional lever cueing; matching walnut finished wood base for record changer 2 Lafayette fine-performing Criterion 2X 2-way bookshelf speaker systems with $6^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ direct radiator cone tweeter; with speaker cable. Shpg, wt., 32 lbs. 21 R 93365 WXM No Money Down*

Net 83.95

See Pages 56 and 91 for full description of system components

## LAFAYETTE Solid-State AM/FM Stereo Tuner Model LT-725A



# Designed For Performance.. Styled for Distinction! 

4 IC's, 2 FET's, 14 Transistors, 19 Diodes

- $1.7 \mu \mathrm{~V}$ IHF Sensitivity • 1.5 db Capture Ratio
- Front and Rear Panel Tape Output Jacks
- Pushbutton FM Mute Switch
- Automatic Stereo Switching and Stereo Indicator Light
- Internal FM Antenna plus Flexible-Mount AM Loopstick Antenna
- Beautifully Styled Dial That Illuminates with "Power-On"
- 40db Stereo Separation


## OUTSTANDING FEATURES


lluminated Signal Strength Tuning Meter for normal and center scale tuning of $F M$ and $A M$ stations.

## FM STEREO

## Automatic FM Stereo

Automatically switches to stereo mode and lights indicator when you tune to a stereo station.

Pushbutton Function Switches for "Signal Strength Signal Strength on AM Center Chan. plus Center Chan-
nel Tuning on $F M$; nel Tuning on FM; Stereo/Mono mode; MPX High Frequency Filter; FM Mute; and Selector Button for AM or FM reception

The Lafayette LT.725A establishes pace-setting standards for excellence in Derformance, flexibility of controls, ease of operation, and convenience. Its distinctive styling will compliment any home decor. Yet with all these features it is priced within the budget of the music tover who seeks superior performance and desipn at a moder. ate cost. In addition to high performance and unique circult design, the LT-725A boasts an ultra-modern exterior with space-age styling. The most striking of these is the elepant ebony face.plate with kold embossed lettering; when the unit is turned "On"", the logging scale, tuning meter and stereo indicator are illuminated into a highly attractive soft, rich blend from behind the face-plate. The front panel also features a row of push buttons for the functions of Stereo/Mono mode, MPX Filter, Mute Swltch for minimum noise while tuning FM statlons, FM/AM reception, and tuning meter for center channel tuning and signal strength indication. There are tape output lacks at the rear and front panels: and rear Inputs for external FM and AM antennas. Complete with bult-in FM and AM antennas, AC fuse holder and grounding post. Output sultable for any quality stereo amplifier. Size: $12 \mathrm{~W} \times 33 / 4 \mathrm{H} \times 91 / \mathrm{g}^{\prime \prime} \mathrm{D}$. Imported. For 105.120 Volts $\mathrm{AC}, 50 / 60 \mathrm{~Hz}$. 99 R 02297 W Shpg. wt., 13 lbs.

Net 119.95

## SPECIFICATIONS

FM SECTION: 4 Gang Tuning Condenser. Mange: $88 \cdot 108 \mathrm{MHz}$. Sensltivity: $1.7 \mu \mathrm{vv}$. Harmonic 0 istortion: @ $400 \mathrm{~Hz}, 100 \%$ modulation: $0.25 \%$. Selectivity: 50 db . Capture \&atio: 1.5 db . Stereo Separation: 40db@400Hz.Cross Modulation Index: 90db. Sig. nal-to Noise Ratio: 75 db ( $100 \%$ Mod.) Imare Rejection: 80 db . External Antenna Impedance: 3CO ohms balanced. AM SECTION: 3 Gang Tuning Condenser; Range: $535-1650 \mathrm{kHz}$. Sensltivity (Antenna Terminal): 20 uv .

## LAFAYETTE Solid-State AM/FM Stereo Tuner Model LT-670



## AAA 2-YEAR GUARANTEE

See Page 415 for Terms

# Amazing Low Price 

14-Transistors Plus 16-Diodes

- Automatic Stereo Switching and Stereo Indicator Light
- Front Panel Tape Output Jack
- Automatic FM Station Lock
- 30 db Stereo Separation
- Multiplex Filter
- Internal FM Antenna plus FlexibleMount AM Antenna
- Attractively Styled To Blend With All Decors

Enjoy the full measure of high priced AM/FM stereo reception at an "Amazingly" low price. Solid-state circuitry combines advanced design and electronic principles to provide a level of pepformance that far exceeds the costl Included are aUTOMATIC MULTIPLEX CIRCUITRY which instantly switches the tuner to stereo operation when stereo is being broadcast. A "STEREO" INDICATOR LIGHT gives instantaneous visual Indication of stereo broadcasts. Every control feature for outstanding performance has been included: switchable (On/Off) MPX FILTER for reduction of external interference on FM stereo; AUTO LOCK (AFC) assures drift-free reception. Other features include a MODE selector (Mono or Stereo); and a SELECTOR for AM or FM reception. There are even tape output jachs on front and rear for recording directly to a tape recorder. Has built in FM antenna and Ferrite bar for AM; plus terminals for adding a FM external antenna, with simulated walnut grain vinyl covered, metal enclosure and anodized brush aluminum front panel and knobs. For $105 / 120$ VAC., $50 / 60 \mathrm{~Hz}$. Size: $105 / 8 \mathrm{~W} \times 3 \mathrm{H} / 2 \mathrm{H} \times 83 / 8{ }^{\circ} \mathrm{D}$. Shpg. wt., $11 \mathrm{~L} / 2$ lbs. 99 R 02313 W

Net 79.95

## SPECIFICATIONS

FM SECTION: 3-Gang Tuning Condenser. Range: $88-108 \mathrm{MHz}$. Sensitivity: $3.5 \mu \mathrm{~V}$. Harmonic Distortion: @ $400 \mathrm{~Hz}, 100 \%$ modulation: $0.7 \%$; Selectivity (Alternate Channel): 35 db . Capfure Ratlo: 5 db . Stereo Separation: $30 \mathrm{db} @ 400 \mathrm{~Hz}$ Signal-to-Nolse Ratio: $50 \mathrm{db}(100 \% \mathrm{mod}$.$) . Image Rejection: 50 \mathrm{db}$. Tape Output Level: Average - 350 mV . 1 Volt max. External Antenna Impedance: 300 ohm balanced. AM SECTION: 3-Gang Tuning Condenser. Range: $535-1650 \mathrm{kHz}$. Sensitivity (Antenna Terminals): $20 \mu \mathrm{~V} . \mathrm{S} / \mathrm{N}: 40 \mathrm{db} @ 1 \mathrm{mV}$ input.

## OUTSTANDING FEATURES



Automatic FM Stereo automatically switches to stereo mode and lights indicator when you tune to a stereo station.
lapt out


MPX Filter Rocker Switch (On/Off) for reduction of external interfer. ence when tuned to an FM Stereo Station.

Auto Lock Rocker Switch Con/Off for Automatic Frequency Control to assure drift-free FM reception.


## LAFAYETTE 170 Watt 4-Channel Stereo Systems Model LA-44 Compatible 4 Channel Stereo Amplifier


CHANNEL TAPE
AND FM BROADCAST
STEREO SYSTEM
Now everyone can afford to own and enjoy a fine hi-fidelity 4 -channel stereo system! You will thrill to the 4 -channel tapes in your home and add Immeasurable joy to your audio listening. This 4. channel stereo system consists of the Lafayette LA-2525 40 -Watt Compatible 4-Channel Stereo Amplifler which can play discrete 4 -channel stereo tapes as well as discrete 4 channel records and discre:e FM stereo programs as soon as they become available. The LA-2525 is also capable of derivirg and playing 4 -channel stereo from existing 2-channel stereo records, stereo tapes, and FM stereo broadcasts. In addition the system includes the Lafayette RK-48 Compatible 2 and 4 channel stereo 8-track cartridge, tape deck; 4-Lafajette Criterion 25A 2 speaker, 2-way speaker systerrs, each with $8^{\prime \prime}$ wooter, $21 / 2^{\prime \prime}$ tweeter and L/C c-ossover network in attractive olled walnut finish enclosure, and speaker cables. 21 R 96202 WXM Wt. 75 Ibs. Net 260.95
CHANNEL TAPE
AND FM BROADCAST
STEREO SYSTEM

| ONLY | SAVE 39.27 |
| :---: | :--- |
|  | SAY |

17.670
Same 4-channel stereo system as above plus the Lafayette $\operatorname{LT} .670$ solid-state AM/FM stereo tuner. Adds exciting derived 4.channel FM stereo programs from the multitude of exceileni FM stereo broadcasts on the alr. Shpg. wt, $861 / 2 \mathrm{lbs}$,

## CHANNEL TAPE AND PHONO STEREO SYSTEM



In addition to the superb discrete 4 -channei tape stereo reproduction, you will thrill to the exciting derlved 4 -channel audio fichness in your present stereo records. This matched system consists of the Lafayette La-2525 Compatible 4.Channel Stereo Ampll fier, the Lafayette RK-48 Compatible 2 and 4-Channel stereo 8 -Track Cartridge Tapa Deck, 4 Lafayette criterion 25A 2 - speaker, 2-way speaker systems; the dependable Garrard 40 B 3-speed automatic turntable with matching base, the Lafayette/Pichering Phase 44 efficient elliptlcal stereo cartridge with high compliance diamond stylus; speaker cables. wt., $871,4 \mathrm{lbs}$. No Money Down* 21 R 96228WXM

No Money Down
21 R 96210WXM
Net 332.95
See Pages 2, 3, 31, 56, 82-89 for Deseription of Components in Above Systems.

# LAFAYETTE AM/FM Stereo 8-Track Record/Playback Systems Featuring LRK-855 8-Track/Receiver+ 



Lafayette/Pickering Phase 44 Cartridge

## Matched Derived 4-Channel Stereo AM/FM 8-Track Phono System

## $\underset{\substack{\text { PRICE }}}{\text { SYSEM }} 45795$

SAVE 76.60
From Individual Catalog Prices The LRK-855 has built-in derived 4 -channel circuitry for listening to the 2 extra channels on your records, tapes, and FM stereo broadcasts. This magnificent 4 dimensional 4 channel system consists of the LRK 855 AM/FM B-Track recelver, Garrard SL55 3 -speed automatic turntable with matching base, Laf/Pickering Phase 44 Elliptical diamond needle cartridge, 4 Lafayette Criterlon 1008 3-way speaker systems, 3 mylar 8-track recording tapes, and speaker cable. Shpg. wt., 154 tbs. 99 ~ 99970 wxM No Money Down * ...... Net 457.95

## SYSTEM PRICE $311^{195}$

SAVE 54.55

From Individual Catalog Prices

## Magnificent 4-Channel Stereo System featuring

 the LAFAYETTE LRK-480Stereo 25 2 LRK-480


## AM/FM 8-Track Stereo

Playback Receiver


From Individual Catalog Prices
Sensational system that plays the new 4-Channel Stereo 8-Track Tapes-and derives 4 -dimensional sound from conventional 2 -channel 8 -Track Tapes, FM stereo broadcasts, and records. Heart of this magnificent performIng system is the Lafayette CRK-480 AM/FM Stereo Receiver with builtin 2 and 4 -Channel 8 -Track Stereo Tape Deck. (See page 10 for description of the LRK.480). When you add the Lafayette Stereo 25 stereo Ampliffer to the LRK-480 you now have the 4 amplifiers needed for listening to discrete 4-Channel stereo. Also included are 4 Lafayette Criterion 50A 2 -speaker 2 -way systems, and speaker hook-up cable. Shpg. wt., 80 tbs. 99 R 98006 WXM No Money Down* ..... Net 304.95



Same deluxe system as above but also includes the Garrard 4084 speed automatic
record changer with matching base, and the Lafayette/Pickering Phase 44 Elliptical diamond needle stereo cartridge. Shpg. wt., 94 lbs 99 R 9801 4WXM No Money Down* 369.95


## Deluxe AM/FM Stereo Cassette Phono Systems featuring the LAFAYETTE LRK-900 Cassette Receiver




## Value-Packed Economy 25-ıatt Stereo System

A truly exciting value in a complete 25 watt stereo system package! Matched for performance as well as economy, this stereo system features the Latayette in-73 25 -watt sollid stat Am-FM Stereo Receiver with full stereo periormance capability and with pleasing complementary styilingt Garratd Madel 30 4-Speed AutomaticiTurntable with oversized turntable, efficient ceramic stereo cartridge
and long life diamond stylus; Attractive Matching Furntable Dase for Model 30; and 2 Lafayette Criterion $2 x$ neatly styled, highly efficlemt 2-way olled walnut findsh bookshelf speaker systems with fin: performing $6^{\prime \prime}$ woofer and $31 / 2$ " cone-type tweeter. Shpr. wt., $431 / 4$ lbs.

21 R 93522 WXMINo Money Down ${ }^{\text {m }}$

# 4 Channel Stereo Systems With LR-75 



You'll be amazed at the wonderous derived 4 Chamel stereo sound mat emanates from this highly versatile economiral compatible 4 thannel stereo system. It derives 4 channel dimensional surround sound from your present stereo records as well as from FM stereo crograms, and is ready to play discrete 4 channel stereo tapes already avallable, as well as discrete 4 channel records and discrete 4 channel FM stereo broadc.asts as soon as they become available, This exciting 4 channel sterew system consists of the lafayette LR-75 25 -watt Solid State AM-FIM Stereo Eeceiver; Garrard Model 304 speed autamatic turntable with ceramic cartridge and ong-life diamond
stylus; matching turntable base; the amazing highly versatile Lafayette LA-424 4 channel Complimentary Amplifier which reproduces discrete and derived 4 channel programs in conjunction with the LR-75; 4 latayette Criterion 2X 2-speaker 2-way acoustic suspension speaker systems, each with a $5^{\circ}$ acoustic suspension wocfer for substantial bass reproduction and a $31 / 2^{\prime \prime}$ cone-type tweeter for exemplary sound of up to $19,000 \mathrm{Mz}$., enclosed in a rich oited walnut finish cabinet; and speaker cable. Shpg. wt., 76 ibs.
21 R 93993 WXM No Money Down*
Net 256.95


## Super-Value 50-Watt AM-FM Stereo Systems

Extraordinary value in a complete 50 -watt stereo system! Features the Lafayette LR-100 50-Watt Solid State AM-FM Stereo Receiver which offers full-feature stereo versathlity with controls and Inputs from every source, handsomely styled in black and gold anodized front panel and with simulated walnut vinyl clad metal case; Garrard Model 40B 3-speed Automatic Turntable with viscous damped, single lever cueing, complete with Matching base; Pickertng P/ATE.1 Elliptical Stereo cartridge with high compliance diamond stylus; 2 Larayette Criterion 25A 25-Watt 2 -Way speaker systems, each featuring an extra-efficient $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter. Speakers are housed

## Specially Matched 50-W att AM-FM Stereo Systems



SAVE From Individual Catalog Prices! 46.74

$238^{95}$
No Money Down*
LR-100
This specially selected 50 -Watt AM-FM stereo phono system features the Lafayette LR-100 50-Watt solio State AM-FM Stereo Receiver with full stereo capability; the Garrare model 40 B 3 -speed Autcmatic Turntable with matching base; Pickering P/aTE-s Eliptical stereo Cartridge with high compliance diamond stylus; 2 famous Lafayette Criterion 50A 30 -watt 2 -way bass reflex ducted port speaker systems with heavy duty $8^{\prime \prime}$ woofer and $322^{\prime \prime}$ direct radiator tweeter in attractive hand-rubbed oiled walnut finished enclosures. With cable. 21 R 93472wXm Shpg. wt., $771 / 2$ lbs.

Net 238.95
Above system but with Shure M55E eliliptical stereo cartridge.
21 R 90759WXM Shpg. wt., $771 / 2$ Ibs.
Net 243.95
Above system but with Lafayette/Pickering Phase 44 elliptical diamond stereo cartridge.
21 R 90767 WXM Shpg. wt., $771 / 2$ Ibs $\qquad$ Net 253.95
You Save 51.74 From Individual Catalog Prices!
See Page 16, 56, 57, 82-88 for Complete
in attractive enclosures with hand-rubbed olled walnut finish.Complete with speaker cable, Shpg. wt., $581 / 2$ lbs. 21R 94769WXM

Net 220.95 Same system as above except with Shure M55E elliptical stereo cartridge. Shpg, wt., $581 / 2 \mathrm{lbs}$. 21 R 90734WX明

Net 225.95 Same system as above except with Lafayette/Pickering Phase 44 elliptical diamond stereo cartridge. Shpg. wt., $581 / 2^{\prime}$ lbs. 21 R 90742WXM ........................................................ 235.95 You Save 49.74 From Individual Catalog Prices!

# Deluxe 50-W att AM-FM Stereo Systems 



This deluxe LR-100 stereo system consists of Lafayette LR-100 S0watt Solid-State AM/FM Stereo Receiver; Garrard Model 40B 3-speed Automatic Turntable with matching base; Pickering P/ATE-1 Elliptieal Stereo Cartridge with high compliance diamond stylus; 2 Lafayotte Criterion 773 speaker 3 -way acoustic suspension bookshelf speaker systems each with $81 / 2^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ midrange and $11 / 2^{\prime \prime}$ direct radiator type tweeter in a handsome oiled walnut finished enclosure; with cables.
21 R 90775 WXM Shpg. wt., 751/4 Ibs.
Net 256.95
Above system but with Shure M55E elliptical stereo cartridge. 21 R 90783 wXM Shpg. wt., $751 / 2$ lbs.

Net 261.95
Above system but with Lafayette/Pickering Phase 44 high efficlency elliptical stereo cartridge with diamond stylus. 21 R 90791 WXm Shpg. wt., $751 / 2$ lbs.

Net 271.95
You Save 53.74 From Individual Catalog Prices!
Description of Components on this Page
${ }^{\circ}$ See Page 22 for Full Credit Details on Easy Pay Plan



| System Price |  |
| :---: | :---: |
| 3709 | SAYE |
| 1 | From |
| Individual |  |
| No Money Down |  |

Experience the thrilling delight of derived 4-channel dimensional sfereophonic soundl This rewarding system leatures the Lafayette LR-100 Solid-State AM/FM Stereer heceiver which offers full-feature stereo versathly. Garrard Model 40 B 3 -speed Actomatic Turntable with low mass tubular tone arm and viscous damped single fever cueing, neatly designed matching base for turntable, Lafayette/Plekering Phase 44 highty efficient elliptical stereo cartridge with high compllance diamond stylus cailored to get the utmost in performance from 2 -channel and derived 4 -channel stereo. 4 Lafayetto crterion 25A 2 -way speaker systems, each featuring an extra-efficient $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter is an attractive hand-rubbed oiled walnut tinish enclosure, and the ingeniousiy designed Lafayette 4-Channel Adapter.
Shpg. wt., $861 / 4$ lbs.
This sine performing derived 4 -channel stereo system copsists of the Latayette LA-100 Solld-State WM/FM Stereo Receiver, the Garrard soB 3.speed Automatic Turntable with matehing base, the Latayette/ Pickering phase 44 elliptical stereo cartridge with high compliance diamond stylus, the Lafayette 4Channel Adapter, and Lafayette Criterion 773 -speaker 3 -way acoustic suspension bookshelf speaker systems each with $81 / 2^{\prime \prime}$ woofer, $34 / 2^{\prime \prime}$ midrange and $11 / 2^{\prime \prime}$ tweeter In an attractive olled walnut finished enclosure. Shpg. wt., 12014. lbs. 21 R 90817WXM Ne: 370.95 Same derlved 4 -channel stereo system as above except with 4 Lafiyette Criterion 1009 -way speaker systems each with $10^{\circ}$ woofe, $34 / 2^{\prime \prime}$ midrange, $142^{\prime \prime}$ super tweeter, loaded sonic aprt and high Irequency brilliance control in attractive offed watnut finish enclosure. Shpg. Wt., $1601 / 4$ los.
21 R 90009WXM 21 R 90025WXM $\qquad$ Net 406.95 See Page 16, 18,56, 57, 56, 12-88 for Complete Description of Components on this Page

## afayette ${ }^{\circ}$ <br> 100-Watt AM-FM Stereo Systems with LR-775 Receiver





## A Choice 100-Wutt AM-FM Stereo Systems

This complete versatile stereo system consists of Lafayette LR-775 100-Watt Solid-State AM-FM Stereo Receiver with advanced solid-state stereo circuitry; Garrard Model 40B 4-Speed automatic Turntable; Matching base for turntable; Pickering P/ATE-1 Elliptical stereo Cartridge with high-compllance diamond stylus; and 2 famous lafayette criterion 5042 -way bass reflex ducted port speaker systems with $8^{\prime \prime}$ woofer and $3 \sqrt{2} 2^{\prime \prime}$ tweeter in oiled walnut finish enclosure for horizontal or vertical placement. With cable.
21 R 93381 WXM Shpg. wi. $681 / 4 \mathrm{lbs}$
Net 283.95 Same as above but with Shure MS5E elliptical stereo cartridge. Shpg. wt., $68 \mathrm{y} / \mathrm{l}$ lbs.
21 R 90858WXM
Net 288.95 Same as above but with Lafayette/Pickering Phase 44 elliptlcal stereo cartridge with diamond stylus. Shpg. wt. $683 / 4 \mathrm{lbs}$.
21 R 90866WXM
Net 298.95

## B Selected 100-Watt AM-FM Stereo Systems

This specially matched stereo system features the Lafayette LR-775 100-Watt Solid-State AM-FM Stereo Receiver; Garrard Model 40 B -Speed Automatic Turntable; Matching base for Turntable; Plckering P/ATE-1 Elliptical Stereo Cartridge; and 2 lafayette Criterion 10083 -speaker, 3 -way bookshelf system featuring $10^{\circ}$ woofer with $51 / 2 \mathrm{lb}$, magnet. $31 / 2^{\prime \prime}$ mid-range speaker and $1^{1 / 2^{*}}$ super iweeter and brlfiance control in decorator styied oiled walnut finish enclosure for delightful room-filing sound. With audio cable. Shpg. wt., 91 lbs.
21 R 90874 WXM
Net 319.95
Same as above except with Shure Msse elliptical stereo cartridge. Shpg. wt., 91 lbs. 21 R $90082 w \times M$

Net 324.95 Same as 21 R 90874 WXM except with tafayette/Pickering Phase 44 diamond elliptical stereo cartridge. Shpg. wt., 91 lbs.
21 R 90890WXM
Net 334.95

## C. Deluxe 100.Wiatt AM-FM Stereo Systems

A truly deluxe stereo system that consists of the Lafayette LR-775 100.Watt Solid-State AM-FM Stereo Recelver; Garrard Synchrolab Model SL-55B Automatic Turntable with synchronous motor, adjustable anti-skating control and viscous damped cueing; Matching base for turntable; Pickering Phase IV/ACE Elliptical Stereo Cartridge with high compliance diamond stylus; and 2 Lafayette criterion 150 A deluxe 3 -way acoustic suspenslon speaker systems with $10^{\prime \prime}$ acoustle suspension woofer, $3^{*}$ cone-type midrange and lower high frequency speaker, and $1 / 2^{\prime \prime}$ super-tweeter and htgh frequency level control. Housed in handsome oiled-walnut finished enclosure. With speaker cable.
21 R 90908WXM Shpg. wt., 73 lbs.
Net 352.95
Same as above except with Shure M93E elliptical stereo cartridge. Shpg. wt. 73 lbs. 21 R 90916WXM

Net 357.95 Same as above except with Lafayette/Pickering Phase 44 dlamond elliptical stereo cartridge. Shpg. wt. 73 lbs.
$21 R$ 90924WXM
Net 362.95
See Pages 15,57,58,59, 82-88 for complete description of components on this page.

## $352^{95}$ <br> with <br> with case

SAVE 61.85
From Individual
Catalog Prices



Ot will be thrilled at the surprising audlo depth of this derived 4 channel stereo system. The complete system consists of the Latayette 1 R-775 100 Watt Solid State Aw-FM Ste eo Receiver; the "amous Garrard Model 408 3-speed Automatic Turntable; an attractive valching turntable base; the ingenious lafayette s.channel Adapter or derived four channel stereo sound; the Lafayette/Pichering Phase 44 elliptical stereo cartridge with high compliance diamond stylus designed for superb stereo performance; and 4 gapular lafayette Cricerion 50a 2 -way bass-reflex ducted port speamer systems with $\xi^{\prime \prime}$ wooler and $342^{\prime \prime}$ direct radiator tweeter in olied walnut finish tas losure for horizontal or vertical placement. Shpg. Wt. . $1193 / 4$ Ibs. 31 R 90332WXM

## SYSTEM 15195 SAVE PRICE <br> No Money Down* <br> From Individual Catalog Prices

This h ghly versatile derived four channet stereo system cozsists of the Ladarette LR-775 100 -Watt selid-State AM-FM Steree deceiver with ajvanced solid-state circultry; the Garrart Model 408 3-speed automatic furntable with low mass tone arm and viscous damaed cueing a neatly designed matcbing turntable base; the amazing Lafayette 4-Chamel Adapter for superb 4 dimensional somd; the Lafayette/Pichering phase 44 highly efficient elliptical steneo cartridge with high compliance diamend stylus; and 4 -Lafayette famaus Criferlon 100 3-way loaded son c port speaker systems vith $10^{\circ}$ woofer, $312^{\prime \prime}$ mid-range, $142^{\prime \prime}$ super tweeter and brilliance conirol in an attractively styled olled-wa nut finish enclosure. 21 R 90940 WRM Shpg. wt., $1553 / 4 \mathrm{jbs}$.

Nef 451.95

See Pages $15,18,57,82-88$ for complete description of components in above systems.
-Ser Page 22 for Full Credit Details on Easy Pay Plan

## afayette <br> 150-Watt AM-FM Stereo Systems with LR-1000B Receiver



## Selected 150-W att AM-FM Stereo Systems

This fine stereo system features the Lafayette LR-10008 Solfd-State AM-FM Stereo Receiver distinguished for its outstanding performance characteristics and fine circultry innovations; the Garrard Model 408 3-speed Automatic Turntable; matching base for turntable; Plekering P/ATE-1 Elliptical Stereo Cartridge with high compliance dlamond stylus; and 2 Lafayette Criterion $1008 \mathbf{3}$-way loaded sonic speaker systems with $10^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ midrange, $11 / 2^{\prime \prime}$ super tweeter and brilliance control in an attractively styled oiled-walnut finished enclosure. Includes speaker cable.
21 R $89819 W X M$ Shpg. Wt., $1061 / 2$ lbs.
Net $\mathbf{3 7 3 . 9 5}$
Same system as above except with Shure M55E elliptical stereo cartridge.
21 R 90957 wx + 1 Shpg. Wt., $1061 / 2$ lbs.
Net 378.95
Same as above except with Lafayette/Pickering Phase 44 dlamond ellptical stereo cartridge.
21 R 90965 WXM Shpg. wt., $1061 / 2$ lbs.
Net 388.95

## B Special 150-W att AM-FM Stereo Systems

This specially matched stereo system features the exceptionally fine lafayette LR-1000B Solid State AM-FM Stereo Receiver; Garrard Model 408 3-Speet Automatic Turntable: matching base for turntable; Pickering P/ATE-1 Elliptical Stereo Cartrloge; and $\mathbf{2}$ Lafayette Criterion 150A deluxe 3 -way acoustic suspension speaker systems with $10^{\prime \prime}$ air suspension woofer with $21 / 2 \mathrm{lb}$. magnet structure, $3^{\prime \prime}$ cone type midrange and lower high frequency driver $11 / 2^{\prime \prime}$ super tweeter with aluminum cone, and high frequency level control in attractive, luxurious olled wainut finished enclosure. With cable.
21 R 90973 WXM Shpg. wt., $88 \frac{1}{2}$ lbs.
Net 391.95
Same as above except with Shure M55E elliptical stereo cartridge.
Net 396.95
21 R 90981 WXM ShpR, Wt., $88 y / 2$ lbs. ....iaring phase 44 diamond elifiptical stereo Same as
21 R $90999 W \times M$ Shpg. wt., 881/2 lbs.
Net 406.95

## (C) Deluxe 150-W att AM-FM Stereo Systems

Includes superb Lafayette LR-1000B Solid State AM/FM Stereo Receiver; Garrard Synchrolath Model SL558 3-Speed Automatic Turntable with synchronous motor and viscous damped cueing; Base for turntable; Pickering Phase IV/ACE Elliptical Stereo cartrlage with high. compliance diamond stylus; and 2 Lafayette Delure Criterion $V 16$-speaker 4 -way systems that feature a $12^{\prime \prime}$ woofer with $41 / 2$ ib. magnet structure, $5^{\prime \prime}$ midrange in sealed subenclosure, $2-3^{\prime \prime}$ cone tweeters, $2-14 / 2^{\prime \prime}$ aluminum cone super tweeters, and tuned "sonic tube" in smart olled walnut finish enclosure. With cable.
21 R 91708WXM Shpg. wt., $1281 / 2$ lbs.
Net 478.95
Same as above except with Shurg M93E elliptical stereo cartridge.
21 R 91716 WXM Shpg. wt., $1281 / 2$ lbs.
Net 483.95
Above excedt with Lafayette/fickering phase 44 diamono elliptical stereo cartridge 21 R 31724WXM Shpg, Wt. 128y, Ibs. No Money Down* ..........................Net 488.95
See Pages 14, 58, 59,61, $\mathbf{2 z - 8 6}$ for tull description of components on this page.




## Selected 240-W att AM-FM

 Stereo SystemsThis expertiv matched stereo system includes our finest receiver the outstanding Lafayette LR-1500Th 240-Waft solld-State AM-FM Stereo Recelver which features advanced solid-state circuitry with 4 Integrated Circuits, 5 F.E.T.'s, 39 discrete transistors. ComputorMatice protective circultry and ACRITUNE precision visual tuning for extraordinary performance; Garrard Model 408 3-Speed Automatic Turntable with attractive Garrard matching base; Pickering P/ATE-1 Elliptical Stereo Cartridge with high compliance dlamon stylus; and 2 Lafayefte Criterion 10083 way speaker systems with $10^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ mid.range, $11 / 2^{\prime \prime}$ super tweeter, loaded sonic port and high frequency brillance control in attractive olled-walnut fin. ished enclosures. Complete with speaker cable. Shps. wt., 113 lbs. 21 R 91773 WXM

Net 427.95
Same system as above except with Shure M5SE elliptical stereo cartridge.
21 R $91781 w \times M$ Shpg. wt., 113 lbs.
Net 432.95 Same system as above except with Lafayette/Pickering Phase 44 high efficiency elfiptical stereo cartridge with high compliance diamond stylus
21 R $91799 w \times M$ Shpg. wt., 113 lbs
You save 72.83 from individual catalog prices?

## Feature-Packed 240.Watt AM-FM Stereo Systems

This excelfent feature-packed stereo system consists of the acclaimed lafayett LR-15001A 240 -Watt solid state AM-FM Stereo Receiver with advanced solld-state design and Computor-Matices protective circuitry; Garrard Synchro-Lab Model SLS58 3.Speed Auto. matic Turntable with neatly styled Garrard matching base; Picker Ing Phase IV/ACE Elliptical Stereo Cartridge with high compliance diamond stylus; and 2 Lafayette Criterion 150A 3 -speaker acoustic suspension systems, each consisting of a $10^{\circ}$ woofer. $3^{\prime \prime}$ closed back high frequency driver, $11 / 2^{\prime \prime}$ super tweeter, LC crossovers at 6600 Hz and $10,000 \mathrm{~Hz}$ and high frequency level control in a fich alled walnut finish enclosure. Complete with speaker cable. Shpg. wt 95 lbs.
21 R 91607 WXM
Net 460.95
Same as above except with Shure a93E elliptical stereo cartridge. 21 R $91615 W \times M$ Shpg. wt., 95 lbs. Same system as above except with Lafayette/Plekering Phase 44 elliptical stereo cartridge with high compliance diamond stylus. 21 R 91823 wxM Shpg. wt., 95 lbs.

Net 470.95

See Pages $12,13,58,59$, and $82-88$ for full description of components on this page.



## SYSTEM $\lceil 095$ SAVE 84.70 PRICE 249 femmanam <br> Cata og Prices <br> No Money Down*

You will be thrilled by the supertoderived 4 -chanael dimensional stereophonic sound of this fine system. Carefully matched for out standling performance and value, this superior sysiem includes our tinest recelver, the outstanding Larayette LR-15jofa solid-State TM-FM Stereo heceiver with advanced solld state cesign, Computor Matic $\$$ protective circuitry and ACRITUNE precision visual tuning: the Garrard Model 408 3-Speed Automatic Turnitab e with attractive matching base; the-Latayette/Pickering Phase 44 Highly efficient elliptical stereo cartridge with high complance dibmond stylus; the Lalayette neatly designed derived 4 Channet Adapter; and 4 Latayette Criterion 1008 -way speaker systems each with " $10^{\prime \prime}$ heavy duty wofer, $31 / z^{\prime \prime}$ mid-range, $11 / z^{\prime \prime}$ super tweeter, loaded sonic port and high frequency brilliance control in an attractive olled walnut finished enclosure.
21 R 91831 WXM Shpg. wt., $1773 / 4 \mathrm{lbs}$.
Net 559.95

Same system as above except with 4 Lafayette criterion 150 A 3. speaker acoustic suspension system, each with $10^{\circ}$ acoustic suspen sion woofer, "" closed bask upper midrange and lower high frequency driver, $11 / 2^{\prime \prime}$ super tweeter, and high frequency level control In a neatly designed enclosure with hand rubbed olled walnut veneer finish. Instead of the Criterion 1008 speakers. 21 R 91849 WXM Shpg. wt., $141 \mathrm{H} / 4 \mathrm{lbs}$.

## Net 595.95



An expertiy matched derived 4 channel stereo system that Includes the farious Latayette LR-15007A 240 Watt solid state EM-FM stereo pecelver which features advanced solld state circuitry with 4 integrated circuits (IC's), 5 FE. $\mathbf{T}$. 's, 39 discrete transirtors. Computar-Mation protector circuitry and ACRITUNE preclsion sisua tuning for superb performance; the Garrard Synchro-Lab dodel \$155s 3-5peed Automatic Turntable with bullt-in stylus force ad justmert and optical scale, viscous damped single-lever cueing and fuliy ajjustable anti-skating; alsc Includes a Garrard turntable matchirg base; the Latayette/Pickering Phase 44 elliptical stereo cartridee with high compllance damond stylusp the Lafayerte Chanme Adapter; and 4 lafayette Criterion 150a 3 -speaker acsustic suspension systems, each with $10^{\circ}$ acoustic suspension woofer, $3^{\prime \prime}$ upper milc.range and lower high freeuency driver, $11 / 2$ " super tweeter and high frequency level controi ir a handsome olled walnut tinish enclosire Shpg. Wt., $1413 / 4 \mathrm{lbs}$. 21 R 91856 WKM

Net 605.95
Same cerived 4 channel stereo system as above except with 4 Lafayefte criterion $4 X 4$ speaker, 4 -way speaker systems, eact with $5^{\prime \prime} 12^{\prime \prime}$ voofer with $41 / 2$ ib magnet structure and large $z^{\prime \prime}$ voice coil, $5^{\prime \prime}$ mid-range driver, $3^{\prime \prime}$ high frequency tweeter, $122^{\prime \prime}$ super tweeter, 3 LC crossover networks, and high frequency and mid-range nontrois In a havdsome olfed walnut finish enclosure, instead of the Crlerion 150A speaker systems.
21 R 97864 WXM Shpg. wt., $2153 / 4 \mathrm{lbs}$.
Net 687.95
See Fares $12,13,18,58,59,60.82-88$ for full description of components on this jage.

# afayette ${ }^{50}$-Watt Stereo Phono Systems with LA-324A 

 SAVE 36.83From individual
cataloe Prices $148^{95}$

## Budget-Priced 50-Watt 2-Channel Stereo Phono Systems

A budget-priced system with high performance, this Lafayette matched stereo system consists of the new Lafayette LA-324A 50 -Watt Solid 'State Stereo Amplifier; Garrard Model 4084 . Spesd Automatic Turntable with neatly deslgned matching base; Pickering P/ATE-1 Elliptical Stereo Cartridge with high compliance diamond stylus; and 2 Lafayette Criterion 25 efficient 25-Watt 2 -Way alr-suspension speaker systems with $8^{\circ}$ woofer, and $21 / 2^{* \prime}$ tweeter in decor| ative hand-rubbed oiled-walnut finished enclosure. With cable. Shpg. wt., 48 lbs. |
| :--- |
| 21 S |
| 1696 WXM No Money Down'. |

21 R 93696 WXM No Money Down ${ }^{\text {P }}$
Same as above except with Shure MSSE elliptical stereo cartridge.
21 R 91922 WXM Shpg. wta, 48 lbs. No Money Down*.


2-way speaker systems each with heavy duty $8^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ direct radiator tweeter in oiled-walnut finished enciosure instead of the Criterion 25A's. Shpg. wt., $671 / 4 \mathrm{lbs}$. $21 R$ 91948WXM No Money Down*

Net 148.95
Net 153.95

21 R 91930 wXM Shpg. wt., 48 lbs, No-Money Down*
Net 163.95


Alternate Speakers


A Atternate Speakers


## Lafayette/Pickering

Phase 44
Lafayette 4-Channel Adapter You'll marvel at the derlved 4-channel dimensional sound of this high performance economy system. The complete system consists of the Lafayette LA-324A 50.Watt Solld Stata Steres Amplifier; the Garrard Model 408 3-Speed automatic turntable with neatly designed matehing thase; the Lafayette/Pickering phase 44 elliptical stereo cartridge with high compliance diamond stylus; the Lafayette 4. Channel Adapter; and 4 Lafayette Criterion 25A efficlent 2 way air suspension speaker systems, each with $8^{\prime \prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter in decorative hand-rubbed olled-watnut finished onclosure 21 R 91955 WXM Shpg. wt. 76 lbs . No Money Down Same derlved 4 -channel system as above except with 4 Lafayette popular criterion 50A 2 way bass reflex ducted-port speaker systems, each with heavy duty $8^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ cone type direct radiator tweeter in handsome olled-walnut finished enclosure, instead of the Criterlon 25A's. Shpg, wt., 114 lbs. 21 R $91963 W X M$ No Money Down*

Net 262.95
See Pages 16, 27, 56, 57, 82-80 for Deseription of Components in above Systoms.

# aafayette 100 -Watt Stereo Phono Systems 

 with LA-750 SAVE 40.83 $184^{95}$No Monty Down*


## Feature-Packed 100-W att 2-Channel Stereo Phono Systems

A 100 -watt stereo phono system that features the Lafayette LA- $750 \quad 100$-watt Solid State Ster eo Amplifler; Garrard Model 408 3-Speed Automatic Turntable with matching Base; Pickering P/ATE-1 Eulptical Cartridze with dlamond stylus; plus 2 lafayette Criterion 50 A 2 .way bass reflex ducted-port speaker systems with $8^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ cone type direct radiator tweeter in decorative oiled-walnut finished enciosures.
21 R 93621 WXM Complete with speaker cable. Shpg. wt., $653 / 4 \mathrm{ibs}$
Net 184.95
21 R 91971 WXMA Above but with Shure M55E Elliptical Stereo Cartridge Net 189.95 Above but with Lallayelte Pickering Phase 44 Elliptical Stereo Cartridge.
21 R 91989 WXM No Money Down*
Net 199.95
Same stereo system as above but with 2 Lafayette Criterion 100B 3-speaker 3-way systems in handsome oiled-wainut finished enclosures. Shpg. wt., 88 lbs . 21 R 91997WXM

Net 235.95
Lafayette matching AM/FM Stereo Tuner Model ET-725A for above systems. 99 R 02297 WX Shpg. wt. 13 Ibs.
 mensional stereo performance. In addition to the Lafayette LH-750 100. Watt Solid State Stereo Areplifier the system includes the Gar. rard Model 408 3.Speed Automatic Turntable with matchinc turntable base; the Lafayette/Pickering Phase 44 highly efficlen elliptical stereo cartridge with high compliance diamond stylus; the Lafayette 4-Channel Adapter and 4 popuiar Lafayette Criterion soA 2 -way ducted port speaker systems, each with heavy duty $8^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ direct radiator tweeter In olled-walnut finished enclosure. 21 R 91682 WXM Shpg. wt., $1133 / 4$ lbs. ..................Net 200.95 Above system but with 4 famous Lafayette Criterion 10083 sp:aher, 3.way speaker systems, each with powerful $10^{\prime \prime}$ woofer with a $54 / 2 \mathrm{ll}$., magnet, $31 / 2^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ direct radiator super tweetes, and brilitance control in a neat oiled-walnut finished enclosuna, Irstead of the Criterion 50A's.
21 R 91690 WXM Shpg. wt., $1523 / 4$ Ibs.
Net 352.95
La-750 See Pages 18, 26, 57, 59, 82-88 for Description of Components in ibove Sysioms.


Packed with audio features, this outstanding 2 -channel stereo system consists of the Lafayette LA-1258 Stereo Amplifier with superbly designed solld-state circuitry for unexcelled stereophonic sound reproduction; the dependable Garrard Model $40 B 3$-Speed Automattc Turntable with professionally designed matching turntable base; the Pickering P/ark-1 Elilptical Stereo Cartildge with high compliance diamond stylus; and 2 famous Lafayette Criterion 10083 way 3 speaker systems, each with $10^{\prime \prime}$ woofer with $54 / 2 \mathrm{ib}$, magnet, $31 / \mathrm{h}^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ super tweeter, $2 \mathrm{~L} / \mathrm{C}$ crossover networks and brlfliance control in a handsome olied-walnut finished enclosure, with cable. Shpg. wt., 93 lbs.
21 R 89876WXM
Net 265.95
Same system as above except with Shure MS5E elliptical stereo cartridge, Shpe. wt., 93 lbs. 21 R91872WXM

Net 270.95


Same stereo system as above except with Lafayette/Pickering Phase 44 elliptical stereo cartridge with high compliance diamond stylus. Shpg. wi., 93 lbs. 21 R 1 B60WXM

Net 280.95
Same stereo system as 21 R 91880WXM except with 2 Latayette Crl. terion 1500 3 speaker acoustic suspension systems, each with $10^{\circ}$ acoustic suspension woofer, $3^{\prime \prime}$ closed back high frequency driver, $11 / 2^{\prime \prime}$ super tweeter, $2 \mathrm{l} / \mathrm{c}$ crossover networks, and high frequency level control in an attractive olled walnut finished enclosure instead of the Criterion 100日's. Shpg. wt., 76 lbs . $21 R 91898 W X M$

Net 298.95
See Page 18, 25, 58, 59, 82 -88 For Detailed Description of Components in Above Systems.


> You will thrill to the enriched dimensional audlo quality of this outstanding derived 4-channel stereo system. In addition to the superb -1258 160-Watt Solld-state Stereo Amplifier, the system es the dependable Garrard Model 4083 Speed Automatic Turntable with aftractive matching base; the Lalayette/Pichering highly efficient Phase 44 Eiliptical Stereo Cartridge with Wgh compliance diamond stylus; the Lafayette 4 -Channel Adapter; and 4 fomous Lafayefte Critorion 10083 -speaker, 3 -way speaker systems, each with $10^{\circ \prime}$ woofer with $51 / 2 \mathrm{ib}$. magnet, $31 / 2^{\prime \prime}$ mid-range, $142^{\prime \prime}$ super tweeter, cross-over networks and brilliance control in a fine olled walnut finlshed enclosure.
> 21 R 91906 WXM Shpg. wt., $1583 / 4$ Ibs.
> Net 397.95

Same derived 4 -channel stereo system as above except with 4 Lafayette Criterion 150A acoustic suspenslon speaker systems, each wlih $10^{\prime \prime}$ acoustic suspension woofer, $3^{\prime \prime}$ high frequency driver, 1 Y $2^{\prime \prime}$ super tweeter, cross-over networks and high frequency level control In attractive oiled walnut finish enclosure, Shpg, wt., 1221/4 lbs. 21 R 91914 WXM

Net 433.95

## See Pages 10, 25, 56, 59, 82-88 For Component Description

## NEW! Model 495 2/4.Channel Steree Quadrant ${ }^{*}$ Amplifier

NEW! Model $4442 / 4$ Channel Stereo FM/AM Quadrant Receiver

## NEW! Model 477 AM/FM <br> Sterea Receiver


$349^{\circ 0}$
with black vinyl clad case
No Money Down ${ }^{\text {* }}$

- Power Output (RMS) 100 Watts, $4 \times 25$ or $2 \times 50$ Watts
-4.Channel Main and Remoté Speaker Buttons
Fine performing Model 495 has four 25 Watt RMS amplifiers. Plays discrete 4 -channel material, has built-in circuitry to convert 2. channei source material to derived 4 -channel, and accommodates encoded 4-2-4 channel systems. Sliding type controis: volume and balance, both front and rear. Inputs: 2 pair phono. 1 pair mic, 2 or 4 -ch. tape, 4 -ch. extra, and high level (tuner). Outputs: 2 front panel headphones, main \& remote Quadrante speakers, 4-ch. tape, and switched 117V outlet. Phono Input Sensitivity 3.0/6.0 mV . Extra 0.5 V . $\mathrm{S} / \mathrm{N}$ Ratio $65 \mathrm{db} / 75 \mathrm{db}$ high level. Harmonic Distortion $0.5 \%$. Added features: Pushbutton switches for speaker selector, hi-filter, loudness, tape mon., and "muting" (to temporarily tower speaker volume to answer phone, door, etc.). Size: $6 \times 171 / 2 \times 17^{\prime}$. For $117 V A C, 60^{\circ} \mathrm{Hz}$.
21 R $49508 w \dot{x}$ Wt., 31 lbs. Net 349.90


## NEW! Model 377 AM/FM <br> Stereo Receiver



31990
with black vingl clad case
No Money Down ${ }^{\circ}$

- Power Output: $2 \times 40$ Watts (RMS) into 80 hms
- Signal Strength Tuning Meler'
- Tape Monitor

Highly sensitive AM/FM Stereo Receiver. Features new angled $91 / 2^{\prime \prime}$ dial to increase visibility and tuning ease, Silver plated FET front end receives more stations with tess distortion. Tape monitoring, speaker switch. es for two systems, phono level sensitivity switch, and "muting" switch for temporarily lowering volume. tnputs: AM and 300 ohm antenna terminals, mic, phono hi and lo, extra, and tape monitor. Unswitched accessory outlet. Mlcrophone and headphone jacks. $F M$ and AM function lights, Electronic clrcult protection and speaker line Iuses. Phono Input Sensitivity $3.0 / 6.0 \mathrm{mV}$, mic $5 / 10 \mathrm{mV}$, Extra input 0.5 mV . S/N Ratic 65 db phono. 75 ob extra input. Harmonic DIstortion $0.5 \%$. FM (IMF) Sensitivity 1.9 $\mu \mathrm{V}, A M 100 \mu \mathrm{~V} /$ meter. Size: $6 \times 1 / 1 / 2$ $111 / 4=D$. For 117 VAC, 60 Hz . Shog. wt., 24 ibs.
21 R 49532WX


## 30090

with black vinyl clad case

- Power Output: $2 \times 70$ Watts (RMS) into 8 Ohms
- 2 Meters: Signal Strength and Center Tuning
The Mendel 477 FM/AM Receiver features a fromt panel, six-way speaker switching center which allows any two of three stereo pairs of speakers to be used in any combination. "Muting" switch to temporarily lower volume. mputs: 2 pair phono hi and lo, tape, mic, and extra. Separate pre-amp output jacks and power amp. input jacks. Front panel: microphone and headphone jacks, tape in/out jacks, switchable phono inputs, and FM mono/stereo function Hght. 5 input functlon lights; silver piated FET front end. Dual tuning meters show signal strength and precise center station tuning simultaneously with switching. Electronic protectlon circuits. S/N Ratio 65 db phono 75 db extra input. FM sensitivity (IHF) $1.9 \mu \mathrm{~V}$. AM $100 \mu \vee /$ meter. Detector output for 4 channel multiplex adaptor. Size: $6 \times 171 / 2 \times$ $151 / 2^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$.
21 R 49524 WX Wt., 34 lbs, Net 399.90

> NEW! Model 431 AM/FM Stereo Tuner

$299^{90}$
with black vinyl clad case
No Money Oown.

- Power Output: $2 \times 70$ Watts (RMS) into 80 hms
- 2.VU Meters with Switchable Ranges

Powelful 2-channel solid-state stereo amplifier with complete flex blity. Bulit-in sixway speaker switching allows any two of three stereo pairs to be used in any combination. Audio 20db "mute" switch. Master level control, dual front and rear panel tape recorder inputs and owtputs permit connection of two recorders simultaneously. Inputs: phono 1 and 2, tuner, extra 1 and 2, and mic: $2-\mathrm{VU}$ meters with meter range switch; function indicator lights. Front panel headphone jack, Pre-amp sensitivity control. Harmonle Distortion $0.5 \%$ at rated output; IHF Power Bandwidth $15-40 \mathrm{~d} / \mathrm{kHz}$; Hum 8 Noise $-75 \mathrm{db} /$ high levet, -65 db / low level inputs; Input Sensitivity, Phono-8 $m \mathrm{~m} / \mathrm{high}, 4 \mathrm{mV} / \mathrm{low}$. Mic 5.5 mV , Tape, extra .55 V . Size; $6 \times 171 / 2 \times 151 / 2^{\prime \prime} \mathrm{D}$. For 117 VAC , 60 Hz . Shpg. Wt., 32 tis.
21 R 49540WX
Net 299.90

Defure AM/FM stereo Tuner teatures FET muting circuitry which etiminates intersta. tion hiss without transients. Four and sir. pole lumped fitters in the AM and FM.IF section maintains accurate allgnment for the lifetime of the tuner. Two mefers, one for center chamnel tuning and one for signal strength and multipath indication, increase tuning ease. Four-channel decoder output is provided for future use. Stereo noise filter, output revel controls, and multipath scope outputs. 300 or $75-0 \mathrm{hm}$ antenna terminals and balun switch. Has Scott's famous silver plated FET front end. Sensltlvity-FM 1.7 $\mu \mathrm{V}$ (IHF). AM $100 \mu \mathrm{~V} / \mathrm{Meter}$. $\mathrm{S} / \mathrm{N}$ Ratio 70db, Distortion 0.5\%, Capture Ratio 2.5 db , Selectivity (alternate channel) 70 db . For $127 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size; $6 \times 171 / 2 \times 15^{\circ} \mathrm{D}$. Sh9g. wt. 20 ibs.

21 - 49557WX
Net 219.90

# Fisher Solid-State 4 Chamel Stereo Receiver 

## DELUXE MODEL 701 250 Watt 4 Channel Stereo AM/FM Receiver

## REPRODUCES:

- Conventional 2-channel stereo
- New 4 channel stereo
 conventional 2 channel stereo
- Autoscan FM Touch Tuning
- FM Stereo Beacon
- Advanced Solid State Circuitry
- 4 Tape outputs, 4 Tape Monitor Inputs
- Main, Remote, Main and Remote Speaker Selector
- Separate Front and Rear Speaker Volume Contrōls
front and rear channels. Specifications: 250 watts $\pm 1 \mathrm{db}$ Music Power total for 4 channels, RMS: $40 / 40 / 40 / 40$ watts per channel. Power Bandwidth: $\mathbf{2 0 - 2 5 , 0 0 0} \mathrm{Hz}$. FM Tuner Sensitlvity: $1.7 \mu \mathrm{Y}, \mathrm{S} / \mathrm{N}$ Ratio: 66 db ; FM Stereo Separation 36 db ; AM Tuner Selectivity 50 db . Mag, phono input sensitivity: 2.7 mV . Aux. Sensitivity Aux 1 and Aux $2,200 \mathrm{mV}$. Front panel stereo Headphone jack. Size: $16^{1 \%}{ }^{\prime} \mathrm{W} \times 5^{1 / 4^{2} \mathrm{H}} \times 14^{\circ} \mathrm{O}$. Shpg. wt., 35 lbs .
21 R 33726WX No Money Down*
Wainut Enclosure for 701 Sh Pg . wt., 7 lbs. 21 R 33734 W

Net 24.95
RK40 Remote Control Unit Shpg, wt., 1 tb.
21 R 33742

## NEW MODEL 601 <br> 200 Watt 4 Channel Stereo AM/FM Receiver

Compatible Two and 4 channel solid state AM/FM Stereo Recelver Reproduce conventional 2 -channel stereo and NEW A channel stereo. Also creates derived a channel sound from conventional 2 channel program materlai. The 701 has 4 tape recorder outputs, and 4 tape monitor inputs. Simultaneous monitoring and recording of tapes is possible on alf 4 channels. The 701 has 3 methods of tuning: (1) Autoscan FM Touch Tuning-Automatic FM Statlon Scanning (2) Remote Control Autoscan Tuning with opllonal RK40 Remote control unit, (3) Manual Flywheel Tuning. Baxandail Tone Controls work on the front, rear, or both channels to provide full tonal balance. The 701 can firlve any 4 speakers in the main fistening area, as well as 4 speakers in another room giving you 4 channel stereo in any 2 rooms of your home. Separate volume controls for bottr

## CREATES:

## - 4 channel derived sound from

- 



- Reproduces Conventional 2-Channel Stereo
- Reproduces Startling 4-Channel Stereo
- Creates 4-Channel Sound from 2-Channel
- Drives up to 8 Speaker Systems


A truiy fine performing recelver. The sensitive FM tuner section utilizes 2 FET's and 5 IC's. Stereo Beacontio indicates the presence of an FM stereo station and automatically switches to stereo. Baxandall tone controls, 4 -channel tape monitor inputs and outputs. separate main and remote switching of two four-channel hook-ups. Headphone jack. Specifications: FM Tuner Section-IMF Sensifivity: $1: 8 ~ \mu V$; FM Stereo Separation: 35 db . Amplifier Section-Music Power: 200 watts +1 db at 8 ohms. Sensitivity; Phono 2.7 mv ; AUX 1 and $2,200 \mathrm{mV}$, Monitor, 300 mV . For 117 VAC 60 Mz . Size: $161 \%$, $\times 51 / 4 \times 161 / 2^{\prime \prime \prime}$. Shpg. $w t_{\text {., }} 35 \mathrm{lbs}$.
21 R 33759 Wx No Money Down*
Net 599.95
Walnut Cabinet for 601 . Shpg. wt., $7^{\circ}$ ibs.
21 R 33734 W
Net 24.95

## Model K-10 "Spacexpander" Electronic Reverberation System

## Add A New Dramatic Sound To Your Listening Pleasure With One Simple Control.

Add concert hall realism to your listening area. Supplies the reverberation normally heard in an acoustically perfect concert hall. Samples sound output from amplifier, and re-injects the same sound after a short time delay thus adding the reverberation effect. May be used with any mono or stereo home music system using separate preamplifiers of tape monitoring facilities. 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: $9 x_{4} L x 11 K_{s}, W \times 6 \%{ }^{\prime \prime} H$. Shpg. wt., $74 / 4 \mathrm{lbs}$. 21 R 36505 No Money Down*

# *s Fisher Solid State Stereo Receivers \& Amplifiers 

NEW Model 301140 Watt AM-FM Stereo Receiver


- P) m

No Maney Down*

- Baxandall-Type Tone Controls - 4 Way Speaker Selectar Switch - FM Stereo Indicator Light - FM Muting


## NEW Model 401150 Watt Remote Control AM-FM Stereo Receiver



Quality AM/FM stereo receiver with a vast array of features: Bax-andall-type tone controls-provides distortionless bass and treble boost and cut; loudness contour switch, pushbutton FM muting to reduce interstation noise and hiss on FM, high filter switch; speaker selector switch for listening to your main speakers, your remote speakers, of both sets of speakers simultaneously; front panel stereo headphone lack and record output jack. Specifications: FM Tumer Section-Sensitivity- $2.0 \mu \mathrm{~V}$, harmonic distortion-less than $0.5 \%$, separation- 30 db . Amplifier Section-Music power 140 watts $\pm 1$ db, at 4 ohns, RMS power $42 / 42$ watts, harmonic distortion- $0.5 \%$, power bandwidth, IHF 25 Hz to $20,000 \mathrm{~Hz}$. Input Sensitivity: Phono, 2.8 mV ; Aum, 200 mV ; Mon, 300 mV . With rasewood finished cabinet. Dimensions: $181 / 2551 / 2 \times 16^{\prime \prime}$. For $117 \mathrm{~V}, 60 \mathrm{~Hz} A C$.

21 R $33767 W \mathrm{~F}$ Shpg. wt., $29 \mathrm{l} / 2$ lbs.
Net 349.95

Deluxe AM/FM Siereo Receiver with accessory Remote Control Unil (included). Features: Automatic stereo switching-patented Stereobeacon Circult indicates whether the Incoming FM broadcast is in stereo or mono and switches to the correct mode of operation automatically; Baxandall-type tone controls provides distortiontess bass and treble boost and cut, pushbutton FM mufing eliminates FM interstation noise, 4 -way speaker selection-main, remote, main and remote, headphones. Specifications: FM Tuner Section sensitivity$2.0 \mu \mathrm{~V}$, harmonic distortion-less than $0.5 \%$, stereo separation30 db , AM Tuner section sensitivity- $250 \mathrm{\mu V}$, Amplifier Section music power- 150 watts $\pm 1 \mathrm{db}$, RMS $45 / 45$ watts, power bandwidth -25 Hz to $20,000 \mathrm{~Hz}$. Input Sensitivlty: Phono, 2.8 mV, Aus, 200 mV . Mon, 300 mV . With rosewood finished cabinet. For $117 \mathrm{~V} 60 \mathrm{~Hz}, \mathrm{AC}$. Site: $181 / 2 \times 51 / 2 \times 16^{\prime \prime}$
$21 R 33775 W x$ Shpg. wt., $291 / 2$ lbs.
Net 449.95

- Includes Remote Control Unit
- Automatic Stereo Switching
- Baxandall-Type Tone Controls
- 4-Way Speaker Selector Switch


## New Model 20180 Watt AM/FM Stereo Receiver



- Audio Attenuator
- Tape Manitoring
- 4-Way Speaker Selector
- Tuning Meter

The 201 festures 80 watt music power, tape monitoring facilities, audio attenuator for headphone usage, Barandall tone controls for bass asd treble, four-way soeaker selector, two AUX inputs. Specifications: FM Tunter Sec fen-IMF Sensitivity $3.0 \mu \mathrm{~V}$; Harmonic Disfortion: $0.6 \%$; Separation 35 db . Amplifier Pection: Music Power- 80 watts $\pm 1 \mathrm{db}$ at 8 -ohms, RMS Power $25 / 25$ watts (9) 8 chms, Power bandwidth, 25 to 20,000 lic. Sensitivity: Phono 4 mV aux 1 and 2 ; 200 mv ; Monitor 200 mV . For 117 VAC, 60 Hz . Shpg. wt., 181/2 tbs. No Money Down* 21 R 337 e3wx .................... 219.95 Wafnut Cabinet for 201. Shpg. wt. 4 lbs. 21 R 337 cow

## NEW Model 202100 WATT <br> AM/FM STEREO RECEIVER



269픈

- Tape Monitoring Facilities - 4 Way Speaker Control
- FM Tuning Meter

Moderately priced AM/FM stereo Receiver featuring 100 watts music power, tape monitoring facilities, muting, mono/stereo modes of operation, lighted program selector. Bayandall feedback circuit for bass and treble, and main, remote, main and remote speaker selector. Spectifications: FM Tuner Section-liff Sensitivity: $2.5 \mu$; ; Harmonic Distortion: $0.6 \% ; \mathrm{S} / \mathrm{N}$ ratio: 64 dB FM Stereo Separation: 35 dB; AM Tuner Section -Selectivity: 44 d8; Amplifier Section: Music Power: 100 Watts $\pm 1$ db at 8 chms; IHF Power at 8 ohms: $40 / 40$ watts; RMS Power at 8 ohms: 28/28 watts; Power Bandwidth IHF: 25 to $20,000 \mathrm{~Hz}_{\text {; }}$ Sensitivity: Phono Low; 2.5 mV , Phono High: 8 mV , Aux 1 \& 2. 200 mV size: $15^{11} / \mathrm{m}^{\prime} \mathrm{W}$ \& $4 \mathrm{H}^{\prime \prime} \mathrm{H}$ \& $141 / 4 \prime \mathrm{D}$. Wt. $233 / 4$ Ibs For $11^{2} 7$ VAC 60 Hz . 21 R 33692 Wx ..................... 269.9 wainut Cabinet for 202. Shpg wt. 4 ths. 21 R 33700W

## Model TR-50 65-Watt Stereo Control Amplifier



1599…

- 4.Way Speaker Selector: Malin. On/Off; Remote,
- Front Panel Head- phone Jack
- Overload Protective Circuitry


#### Abstract

Provides a full complement of controls pius full tape and phono facillities. Loudness contour switch restores natural tonal balance at low and high yolume levels. High frequency filter switch eliminates annoying high frequency nolse. Mas front panel headphone jack with complementary speaker silencing switch. 4 -way speaker switch selects main, on/off and remote, on/off. Power Output: 65 watts +1 do at 8 ohms. Harmonic Distortion: $0.5 \%$ at 1 kHz . Power Bandwidth: $25-$ $25,000 \mathrm{~Hz}$. at 8 ohms. Stereo Separation: better than 45 db . Hum and Noise: -85 db . for 117 Volts $A C 60 \mathrm{~Hz}$. Size: $151 / 5 \mathrm{Wx} 41 \mathrm{~K}$ 。 Hx $9{ }^{\circ} \mathrm{D}$. Snpg. wt., 16 lbs . 21 R 33585 w , Net 159.95 18 36414W Cabinet. Wt. $63 / 4$ ibs. 21 P 36414W


# Proferssional Solid State Componentis by dyNact 

## Quadaptore 4-Dimensional Stereo Adapter



Add the Quadaptor and two speakers to your 2-channel stereo amplifier or recelver-and listen to 4 -dimensional stereo sound from your present records, tapes, and FM-Stereo broadcasts. The Dynaco Quadaptor 4 -dimensional system provides faithful reproduction of the original "recording studio sound", the added ambience (reflected sound) in stereo recordings-which is normally not heard in a conventional 2 -speaker system. The Quadaptor is also compatible for recordIngs using other related matrix-type systems. The Quadaptor actually serves as a junction box between the stereo amplifier and the 4 speakers. It provides the essential circuitry for recovering (to de-matrix) the 4 separate signals from the 2 stereo channels. Shpg. wt., 3 Jbs. Size $7^{\prime \prime} \times 7^{\prime \prime} \times 8^{\prime \prime}$. No Money Down 21 R 23586 Qudaptor Kit ...... Net 19.95 21 R 23594 Quadaptor Wired Net 29.95

## "STEREO-80" POWER AMPLIFIER



- 40-Watts RMS Power Output Per Channel


The stereo-80 is a conservatively designed stereo amplifler rated at 40 -watts RMS per channel with both channels operating simultaneously. Excellent frequency response with low distortion levels, incorporates current limiting protection which elimjuates the inconvenjence or replacing fuses or resetting circult breakers whenever the amplifier is overdriven. Illuminated rocker power switch. Frequency response: 15 Hz to $50 \mathrm{kHz} \pm .5$ db. Harmonic distortion: less than $0.5 \%$ up to 40 watts per channel; IM distortion: less than $0.5 \%$ up to 40 watts per channef. Power bandwidth; 6 Hz to 50 HHz . Input sensitlvity: 1.3 volts. Hum and Noise: 95 db below rated output. For 100-120/220-240 VAC 50/60 Mi. Size: $131 / 2 \times 41 / 4 \times 9^{\prime \prime} \mathrm{D}$. Shpg. wt., 14 los.
Stereo-80 Kit No Money Down*
21 R 23289W
Net 119.95
Stereo-80 Factory Wired and Tested
21 R 23297 W
21
52

# FM-5 Stereo FM Tuner 



All transistorized. Has "DynaTunerg" which automatically fine tunes a desired station to the minimum distortion point in both mono and stereo. Highly effective 19 and 38 kHz illters to prevent interfetence when making off-the-air tape recordings. Low phase shift permits more than 40 db stereo separation at mid-frequencies and 30 db to beyond 10 kHz . Includes an auxiliary high level input for any future developments requiring additional circuitry, such as four-channel multiplexing. SPECIFICATIONS: IHF sensifivity (noise and distortion-30 db $100 \%$ modulation): $1.75 \mu \mathrm{~V}$. Freq. response, 50 Hz to $15 \mathrm{kHz} \pm 1 \mathrm{db}$. Capture ratio: 1.5 db . Ulttmate Signal to Noise ratio: 65 db . Front panel controls: Power/Volume; Tuning; CIrcuit Mode (off; muting; muting and bynaTuneß); Mono-stereo Filter; Output (FMM; Auxlliary). Size: $131 / 2 \times 9 \times 41 / 4^{\prime \prime H} .10$ Watts, $100-120 \mathrm{~V}, 220-240 \mathrm{~V}, 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 11 Ibs. No Money Down
21 R 23560 WX FM. 5 Kit..... Net 149.95 21 R 23578WX FM-5 Wired Net 249.95

## "STEREO-120" POWER AMPLIFIER



- 60 Watts RMS Power Output Per Channel KIT
15995
WIRED

A solid state stereo power amplifier which offers superb performance. Perfect companion to the PAT-4. No interstage or output transformers are used. Power output per channel: 60 watts RMS 8 ohms. Features: Electronic protection against open circuits or shorts; by means of a current ifimiting blasing circuit. No fuses or circuit breakers are needed. SPECIFICATIONS: Frequency Re sponse: 10 Hz to $100 \mathrm{kHz} \pm 0.5 \mathrm{db}$. Harmonic Distortion; less than $0.5 \%$ at any power level up to 60 watts. IM Distortion: less than $0.5 \%$ up to 60 watts. Nolse: 95 db below rated output. 15 Transistors, 15 diodes. Size: $13 \times 10 \frac{1}{2} \times 4^{\prime \prime}$. For $120 / 240$ VAC $50 / 60 \mathrm{Mz}$. Shpg. wt., 19 lbs. No Money Down* 21 R 23230w Kit

Net 159.95
Factory Wired and Tested 21 R 23248W

## PAT-4 STEREO PRE-AMPLIFIER



## - Dyna Tone Control Circult

Deluxe solld state stereo pre-amplifler offering complete control facilities for any concelvable stereo of music system source. Features ex́clusive "Dyna Tone Control Circuit" to assure truly llat response (Patent Pending). Also features a switch selected high frequency fliter @ 7, 10, and 15 kHz . Plus flat position. SPECIFICATIONS: Freq. Response: $\pm 0.5 \mathrm{db}$ from 10 to $100,000 \mathrm{~Hz}$. Harmonic Distortion less than $0.05 \%$ at 2 volts output between 20 Hz and $20,000 \mathrm{~Hz}$. IM : less than $0.5 \%$ at 2 volts output; Tone Control Range $\pm 12 \mathrm{db}$ at 50 Hz and 10.000 $\mathrm{Hz}_{2}$. Noise: less than 2 mv .8 silicon Transistors, 2 diodes. For 120 or 240 volts 50 or 60 Hz . Shpg. wt., 9 lbs. Size: $134 / 2 \times 41 / 4 \times 8^{\prime \prime}$. 21 R 23255 W PAT-4 Kit Net.... Net 89.95 PAT-4A Factory Wired and Tested 21 R 23263W

Net 159.95
SCA-80 INTEGRATED STEREO AMPLIFIER


Solld state, integrated stereo control ampll. Stereo. 80 and the power amplifier of the Stereo-80 and a preamplifier incorporating most of the features of the PAT-4. 40-watts RMS per channel tid less than $0.5 \%$ H.D. from $20-20,000 \mathrm{~Hz}$ at full power Pow H.D. width: 6 Hz to 50 kHz . Input Sensitivity: Phono, 3 mv ; High Level. 0.13 v . Hum and Noise: Phono, better than - 60 db ; High level, better than -80 db . Tape monitor switch, speaker selector switch, front panel stereo headphone jack. Size: $131 / 2 \times 41 / 4 \times 10^{\prime \prime} \mathrm{D}$. For $100-120 / 200-240$ VAC $50 / 60 \mathrm{Mz}$. Shpg. wt, 17 lbs. No Money Down
21 R 23271 W SCA-80 Kit SCA-80 Factory WIred and Tested Net 169.95 21 R $23305 w$ wired and Tested

Net 249.95

## OTHER DYNA COMPONENTS

PAS-3X Stereo Pre-Amplifier Kit, ShDg. wt., 10 lbs
21 R 23016 W
Net 79.95
PAS-3XA Stereo Pre-Amplifier Wired. Shpg. wt., $91 / 2 \mathrm{lbs}$.

## 21 R 23024W

Net 109.95
Stereo 7070 -watt Stereo Basic Amplifler. Shipg. wt. 30 lbs
21 R 23032 W
Net 99.95
Stereo 7070 -watt Stereo Basic Ampllfier. Shpg. wt. $311 / 2 \mathrm{lbs}$.
21 R 23040w
Net 129.95

## EICO Solid State HIFI Components

## CORTINA 3780 50-WATT AM/FM STEREO RECEIVER


-
$169^{95}$

All Silicon Audio Amplifier Section Delivers
50 Watts $\pm 1 \mathrm{db}$ at 4 Ohms

- Pre-Assembled and Pre-Aligned RF, IF and MPX Sections

Features time switching multiplex tuner circult, plus FET and all silicon solid-state circuitry. FM SECTIOM-Sensitivity (IMF): $3.5 \mu \vee$ for 30 dh quieting. Harmonic Distortion: less than $1.75 \%$. Stereo Separation; 33 db 1 kHz . AMPLIFIER SECTION-Frequency Response: 20 to $20,000 \mathrm{~Hz}$. Channel Separation: 45 db . Input Sensltivity $\mathbf{3} \mathbf{3 . 8} \mathrm{mV}$ mag. phono; 300 mV all others. Input Impedance: 47 K mag. phono; 100 K all others. Output Impedance: $4-16$ ohms. For $105-130 \mathrm{VAC}$., $50 / 60 \mathrm{~Hz}$. Size: $4 \times 161 / 2 \times 946^{\circ \prime}$. Shpg. wt., 14 lbs. 21 R 26050 wx Model 3780 Wired Mo Money 00 ...

Net 109.95
Net 169.95

## CORTINA 3080 <br> 50-WATT STEREO AMPLIFIER



Extremely compact, "low sithouette" design. Output: 50 -watts $\pm 1 \mathrm{db} 4$ ohms. Response: 20 to $20,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Separation: 45 db . Sensitivity: Mag. Phono 3.8 mv ; Aux., and Tape 300 mV . Impedance: Mag phono 47 K ; Auz, and Tape 100 K ohms. Power Bandwidth: 20 to $30,000 \mathrm{Mz}$. Output Imped., 4-16 Ohms. fromt panel stereo headphone jack. Includes vinyl ciad metal cabinet. For 105 130 VAC., $50 / 60 \mathrm{~Hz}$. Size: $31 / \mathrm{x} \times 12 \times 6 \%{ }^{\circ}$. Shog. wt.," 9 lbs. Model 3080 Kit
21 R 26001w No Money Down * Net 69.95 Model 3080 Wired
21 R 26019w No Money Down* Net 109.95

## CORTINA 3300

FET AM/FM STEREO TUNER


Pre-Assembled and pre-aligned RF, IF and MPX sections. Advanced FET wideband circultry for maximum sensitivity, selectivity separation and stabillty. Outputs for direct: "off-the-air" tape recording. Features disappearing black tuning dal. Specification FM SECTION-Sensitivity (IHF): $3.5 \mu \mathrm{~V}$. Harm. onle Distortion: less than $1.75 \%$. Capture Ratio: less than $4 \%$. S/N Ratio: 60 db . Stereo Separation: 33 db (ip) 1 kH ? AM SECTIOM-Usable Sensillvity (IMF): 200 $a \mathrm{~V} / \mathrm{m}$. S/N Ratio: 45 db . Selectivity: 30 db . includes vinyl metal cabinet. Size: $3!9 \times 12 x$ $6{ }^{4}{ }^{\circ}$ ". Shpg. wt., 6 tbs.
21 R 26027 W Model 3300 Kit Net 69.95 21 R 26035WX Model 3300 Wired 109.95

NEW EICO "QUATRASONIC" 4 DIMENSIONAL ADAPTER


Convert your present stereo system to 4 dimensional stereo sound. Just add the Quatrasonic adapter and two speakers. No additional stereo amplifier is needed. You will be able to fisten to the reflected sounds already present on your records and tapes that cannot normally be heard on a conventional 2 speaker stereo system. Requires no AC power. Size $34 / \mathrm{Hr} 6 \mathrm{~W} \times 3 \times 1 / 4^{\circ} \mathrm{D}$. Shpg. Wt., 2 bs.
Quatrasonic Kit
21 R 26068
Net 17.95
Quatrasonic Wined
21 R 26076
Net 29.95

## CORTINA 3070

 80-WATT STEREO AMPLIFIER
"All silicon Solid State Design" offers powerful performance and true-to-life sound. Delivers 40 watts of continuous power per channel $\pm 1$ tb at 4 ohms, 35 watts IMF (i) 4 ohms. Freq. Response: $5-100,000 \mathrm{Mz}+1.5$ $\mathrm{db} ; 8-60,000 \mathrm{~Hz}+0.5 \mathrm{db}$. Hum and Noise: 72 db below rated output. Input Sensitivity: 4.2 mv on magnelic phono; 270 mv on aux. lilary, funer and tape. Input Impedance: 47 k ohm on magnetic phono; 110 k minimum on other inputs. Danish watnut vinyl clad case. For $105 \cdot 130 \mathrm{~V} 50 / 60 \mathrm{~Hz} \mathrm{AC}$. $3 \% \times 12 \times 8^{\prime 2} \mathrm{D}$. Shpg. wt., $131 / 2 \mathrm{lbs}$.
21 R 25375 W Model 3070 Kit Net 99.95 21 R 25383W Model 3070 Wired 139.95

## Acoustic Research Solid State Hi-Fi Components



All silicon solid state circuitry. Response: $20-20,000 \mathrm{~Hz} \pm \mathbb{d b}$ at full power or below. Distortion is less than $0.5 \%$ from $20-20.000 \mathrm{~Hz}$ up to full power. input sensitivity: phono circuit- 2 mv . to 5 mvz (ad. output. Self-reselting, thermostatic inputs- 200 mv . for full power nels plus soeaker fuses. Formostatic circuit breakers for ooth channels plus soeaker fuses. For 110.120 volts $\mathrm{AC}, 60 \mathrm{~Hz}$. $154 \times 2 \mathrm{~K}_{0} \times 10^{\circ}$.
Shpg. wt., 28 lbs .
21 R 72666 wX No Money Down*
. Net 250.00
Wainut wood cover for above. Wt., 4 lbs .
Net 15.00
21 R 72674W

- See Page 22 for Full Credit Details on Easy Pay Plan

FET front end with 4 -section capacitor, multisectlon crystal if fitter, IC IF amplifiers, and $2 \mu V$ sensitivity thsure superb FM reception. Power output: 60 watts rms e 4 ohms. Sell-resetting thermostatic circuit breakers in both channels, tape monitor and speaker-head. phone switch. Outputs for tape recorder, center channel, headphone, and 416 ohm speakers. For $110-120$ VAC, 60 Hz . Slze: $171 / \mathrm{GW} 6 \mathrm{~Hz}$ 112"0.
21 R $72799 w x$ Shpg, wt., 32 lbs. No Money Down* Net 420.00 Walnut Wood Cover for above. 21 R 72807W Shpg. Wt., 51/2 Ibs.

## EICD Environmental Color Lights



## Model 3450 <br> 4.Channel Color Organ with Active Filters



Wired
$109^{98}$

- Easily Connects to Speaker Leads
- Watch the Music You Love Spring to Life As a Vibrant Interplay of Colors
- Individual External Color-Crossover Controls for Precise Color Mixing Alle electronic solid.-state color organ provides true frequency smmenronization of sound with color. See every tone, every note, every combination of instruments create its own vivid pattern. Electronically converts music into colored light. The color (thue) is controlled by the pitch (frequency) of the music, and the brightness by ine loudness of each frequency band. 4 color ire-quencles- red, blue, green, and yellow with positive switching of colors. Attractive walnut grain cabinet with shatterproof plastic front. Comes in hit or factory wired. Size: $30 \times 15 \times 11^{\prime \prime}$. Shpg. wt., $311 / 2 \mathrm{lbs}$. For 117 VAC., 60 Hz. No Money Down.
21 R 25888 WX Model 3450 Kit


## 21 R 25896 WX Model 3450 Wired <br> Net 109.95 <br> Net 79.95

Model 3475 Deluxe Audio Activated Strobe Light
 The music itself continuously controls the flash rate, Just attach to the speaker leads of your sound system. Each music beat creates a different flash rate automaticaliy. Features aluminum deflector and shield. Sensitivity control. Easily replaceable plug-in type Xenon bult, For $117 \mathrm{VAC}, 50 \mathrm{~Hz}$, size: $61 / 4 \times 91 / 0 \times 51 / 4 \mathrm{~m}$. Shpg. wt.. $61 / 4 \mathrm{lbs}$.
21 R 25813 Model 3475 kit Net 39.95 21 R 25821 Model 3475 Wired Net 59.95 Model 3470 "Adjustable Rate", Electronic Strobe. Flash rate is adjusted by speed rate control. Same size as above. Shpg. wt., $57 / 4 \mathrm{lbs}$.
21 R 25839 Model 3470 Kit Net 24.95 21 R 25847 W Model 3470 Wired Net 39.95

- Transforms Sound Waves to Light Waves - Solid-State Active Filter Design

Varies intensity of light by means of a change in frequency (high, low, or mid.range) change in irequency (high, low, or mia range)
from the output of a sound source (PA, H. Fi System, Phono). 3 separate 400 -watt light sources can be hooked up to output receptacles on the translator. Using an arrangement of color bulbs, you can project on a wall or screen a spectacular ighting effect in thythm with the music played. Exclusive Eico solid-state active filter design. VInyl.
clad metal cabinet. For 117 VAC. 60 Hz . Etco solid-state active filter design. VInyl-
clad metal cabinet. For 117 VAC. 60 Hz . Size: $61 / 8 \mathrm{x}$ 91/ $\times 514^{\prime \prime}$. Shpr, wt., $63 / 4 \mathrm{lbs}$. 21R25771 Model 3465 Kit Net 49.95 21R 25789W Model 3465 Wired Net 69.95

## Model 3465 3-Channel Sound Lite Translator



NEW Model 3430 3-Channel Color Organ

| Kit | Wired |
| :---: | :---: |
| 3495 | 4095 |

No Money Down*

- Individual External ColorCrossover Controls for Precise Color Mixing

> Music transformed into color electronically. True frequency synchronization-color that pulses and beats, ebbs and swells, responding to every note of the sounds. Easily connects to speaker leads. The color (hue) is controlled by the piten (frequency) of the music, and the brightness by the loudness of each frequency band. Attractive walnut grain cabinet with shatterproof plastic front. Comes in kit or factory wired. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $24 \times 12 \times 7$ "D. Shpg. wt., 11 lbs .
> 21 R 25433 W Model 3430 Klt
> Net 34.95
> 21 R 25441 W Model 3430 Wired
> Net 49.95

NEW Model BLS-10
NEW Model BLS-10
High Intensity Blacklite/Strobe


Instant-starting 18 inch fixture features a rugged high intensity 15 -watt UV bulb in a polished chrome reflector-aimost equals 75 watts of ordinary light. Easily mounts over paintings in windows, etc. with multipositional mounting "Key Hole" type slots. Throws its mystlfying illumination as far as 25 feet or more. Excluslve added feature of Solid-State "Strobe" (pulse) circuit for adjustability of on-0ff rate. Enables you to synchronize illumination with the rhythm of your music for extraordinary effects. Jet 8 lack cabinet. Size: $41 / 2 \times 18 \times 4^{\prime \prime}$. Shpg. 8 lack cabin
wt., 9 lbs.
Model BLS-10 Kit
21 R 25458W
Net 24.95
Model BLS-10 Wired
21 R 25466W No Money Oown*... Net 34.95

NEW Model CS-3 Three Channel

## Color Organ/2-Way Speaker System



## Kit $39^{95}$ wired $59^{95}$

Speakers and a color organ all-in-one. Wal-nul-grained enclosure fits anywhere-bookshelf, table, etc. Full fidelity sound from powerful $6^{\prime \prime}$ woofer and $3^{\prime \prime}$ iweeter. Colorlights of reds, blues, and greens individuafly respond to volume and corresponding frequencies of the music. Each color channel has its own sensitivity control. Size: $24 \times$ $12 \times 7$ ". Shpg. wt., 15 lbs.
21 R 25979 Wod Mol CS-3 Kit Net 39.95
Model CS-3 Wired
21 R 25987 W No Money Down* Net 59.95

NEW Model 4600 "Light Sequencer"


Remember the "moving" lights on the theatre marquee? With the EICO 4600 you can produce, in any custom serial arrangement of any color lamps, a similar sequence of "on-off" stafes that create the appearance of light "running around" in states that create the appearance of light running around in latitude of sequencing or light "chasing." All solld-state design. 3 lamp channets-up to 150 watts maximum per channel. Maximum waltage per channel 150 watts. Size: $31 / 2 \times 6 \times 3^{\prime \prime}$. Shpg. wt. 11/2 lbs.
21 R 25953 Model 4600 Kit
Net 19.95
21 R 2596 ; Model 4600 Wired
Net 29.95

# COLOR LICHTS, STROBES \& RCtes50RIEs <br>  



## 4 CHANNEL FREQUENCY SYMCHRONIZED SOUND ACTUATED COLOR LIGHTS



- Giant $281 / 2^{\prime \prime}$ by
$131 / 2^{\prime \prime}$ Screen
- 4 Adjustable Color Controls
- Continuously Flowing Color Images
A sophisticated electronics system that provides true synchronization of color and sound, see every tone, each note, and every combination of Instruments create its own vivid color pattern. The system includes 4 color channels: red blue, green and yellow that are everchanging, inter. weaving, and biending to produce fantastic, spontaneous, frequency synchronized multi-color patterns to the musle reproduced by your speakers. Connects in seconds to your Hi-fi system or gultar amplifies without any loss in sound quallity or volume. All solid state integrated cirsultry. Handsome walnut vinyl covered wood cabinet. Size: $30 \mathrm{z} 15 \mathrm{ml1"}$. For 117 VAC 60 Hz . Shpz. wt., 24 lbs.

21. D3000wx No Money Down*

- N

Net 59.95


Color Lights priced to fit your budget. One piece 3 sided prismatic lens produces a panorama of solors that have a 3 dimensional eflect. Solid state electronic cortrol transposes music sound impulses into murticolor flashing light patterns. Hooks up to speaker leads of any sound source. For 117 VAC 60 Hz . Size $18 \times 11 \times 7^{\circ}$. Walnut vinyl grained wood cabinet. Shpg. wt., $81 / 2$ lbs. 13R 75526*
 4-Color Sound-Actuated
Color Lights
$\begin{aligned} & \text { - Easiy } \\ & \text { spenker Leadsts }\end{aligned}$
Sa4
Top quality, 4-color, solld-state sound activated color organ. You can actually see every mote and tone converted to a brilliantly moving penorama of colored, dancing Images with tacth note and tone produced by the music. rlashing red, blue, green and yellow colors create an entertaining display of multi-color, 3-elmensional spontaneity which varies to the armplitude of the sound source. Hl/low inputs allows you to adjust for music power levels; exclusive $4-\mathrm{in}-1$ color control. Housed in walnut wood grained cabimet. For 110 VAC 60 Hz . Slie: $24 \times 12 \times 10^{\circ}$. Shpg. wt., 15 lbs. 21 R 25904W No Money Down*.... Net 34.95 WhRELESS 4 COLOR AUDIO LiGHTS. Same as above except with bullt-in microphone. No speaker leads to comnect. Size? 24x12x10". 27 R 26084 w Shpg. wt. $10 \mathrm{lbs} . . .$. Net 39.95


## "Color Column" Audio Lites

145

- $21^{\prime \prime} \mathrm{H} \times \mathbf{7 " D}^{\text {D }}$
- Full Spectrun of Abstract
No Money Down* Color Lighting

Handsome table-top color columns only $21^{\prime \prime H} \mathrm{~K}^{\prime \prime D}$. Magnificent sbstract color Images in everchanging motion, These unique color cytinders, make fiashing patterns of colored lights pulsating to the ryythm of your muslc. Hooks up to the speaker leads of your Mi.Fi system, tape resorder, or guitar amplifler. Column is constructed of prismatic soly. carbonate plastic with "Brite" ch ome base. For 117 VAC. Shpg. wt., $51 / 9 \mathrm{lbs}$. 13 R 75534W

Net 44.95


## 3-Channel Color Light Control Center

## "1995 <br> - Fully Trarsistorized - Only 51/4" High

A compact electronic strobe Hight unit in attractive walnut finished cabinet. Use for special lighting effects in photography, combo groups, or discotheques. Adjustable speed control can be varied to the beat of music from 1 to 12 flashes per second. A 4 inch ctrome reflector, clear pleseic tens cover and Xenon flash tube deliver a powerful light flash over a $60^{\circ}$ arc. For 117 mAC 60 Hz . Size SYax5Vara'Ko", Shpg. wt., 3 lbs.
13 R 48010
Net 19.95

## $39^{95}$

- True Frequency Division
- 500 Watts Per Channel ( 1500 Watts Total)
- Easily Connects to Any Speaker


Transform a large room into a total light-sound environment! Iranslates musicai patterns into dynamic patterns of throbbing, flashing lights precisely synchronized to the music. Provides 500 watts per channel ( 1500 watts total). Audio spectrum is divided into 3 ranges, low, medium and high, by 3 separate, transistorized frequency se. lective amplifiers. Accepts nine 150 watt or eighteen 75 watt ilights at once; on/off switch; 3 intensity adjustments;. on/off pilot light and three channel indicator lights, for $110-120$ VAC, 15 amps. max. 13 R $\$ 8002$ Shpg. wt., 3 lbs. No Money Down* ............Net 39.95

# Ulitra-Compact Criterion Hi-Fi Speaker Systems 



Ideal for low-powered amplifiers or receivers
Ideal for use as extension or remote speakers in any hi-fi system Ideal replacement speakers for upgrading sound quality in modular compact phono systems

A Truly Compact High Fidelity Speaker System with a Power Handling Capacity of 20 watts


- 5" Acoustic Suspension Woofer with 7/8" voice coil and 1 lb . magnet structure
- $3^{1 / 22^{\prime \prime}}$ cone-type Tweeter
- 60.19,000 Hz overall response

A low-cost, ultra-compact 2 -way speaker system only 11 " $\mathrm{V}^{\mathrm{w}} \mathrm{x}$ 7 "D $\times 81 / 4 * \mathrm{H}$. Provides astonishing music reproduction for lis size. Perfect for use as main speakers with low-powered stereo ampliflers or receivers...as remote or extension speakers in any existing stereo hi-fi system-even as replacement speakers to upgrade sound quality in modular compact phono systems. Small size and handsome walnut finish lets you use them anywhere in the home or office... on a bookshelf, end-table, desk-locations are actually unlimited. Fine sound quality results from the use of techniques employed in high-priced ni-fi speaker systems. $5^{"}$ woofer in a sealed cabinet uses the weiloknown acoustic suspenion principle to produce substantial bass from a system this size. A $31 / 2^{\prime \prime}$ |weeter provides smooth, crystal.clear sound up to $19,000 \mathrm{~Hz}$-beyond the limit of hearing for most people. Interior of rigidly constructed enclosure is fiberglassloaded to reduce unpleasant resonances-Finished on four sides in rich oiled walnut veneer, with grille cloth in subdued dark brown color. Overall response $60-19,000 \mathrm{~Hz}$. Crossover frequency 4000 Hz . Power Handling Capacity 20 watts. Impedance 8 ohms. Imported.
99 R 02388w Shpg. wt., 9 lbs.
Net Each 14.95
2 for 29.90

## CRITARION "25A" 2-Speaker 2-Way Air Suspension 8" System


$123 / 8 \mathrm{~W} \times 7 \mathrm{D} \times 101 / 4^{\prime \prime} \mathrm{H}$ Only $19^{95}$


POWER HANDLING CAPACITY 25 WATTS

5 Year AAA Guarantee<br>See page 415 for terms

## FULL SIZE PERFORMANCE

 this outstanding ultra-compact Lafayette 2 speaker 2 -way system measuring only 10 sound and music quality that is astounding for a speaker system measuring only $12 y_{1} \mathrm{~W} \times 70 \times 101 / /^{\prime \prime} \mathrm{H}$. Pertect for use anywhere in your home or office. You get rich styling plus true high fidelity musie reproduction at a low, low price. System consists of a powertul $8^{\prime \prime}$ woofer which provides smooth bass sound repro. duction down to 55 Hz , and a $2 \mathrm{k} / \mathbf{2}^{\prime \prime}$ cone tweeter that gives you sparkling clean high Irequency response. Also includes a buill-in $8,000 \mathrm{~Hz}$. electrical crossover network. Power handling capacity of 25 watts makes it compatibie for use with most amplifiers and receivers. Interior of cabinet is designed to damp out standing waves and other spurious vibrations. Specifications: Frequency Response: $55-19,500 \mathrm{~Hz}$. Voice Coll 1 m . pedance: 8 ohms. Woofer $8^{\prime \prime}$ high compliance with 32.6 oz , magnet structure; rolled edge suspension. Tweeter: $2 \frac{1}{2}$ " cone type with 2.4 oz. magnet structure. Electrical Crossover: $8,000 \mathrm{~Hz}$. Imported. Shps. Wt., $121 / 2 \mathrm{lbs}$.99 R 02255W

# Quality Speaker Systems at Popular Prices 

CRITERION "50A" True 2.Way Bookshelf Speaker System

## ONLY $29^{95}$

## POWER HANDLING CAPACITY 30 WATTS

- Powerful 8" Woofer with 1" Voice Coil
- "Tuned" Enclosure with Tube-Type Ducted Port
- Overall Response $50 \cdot 19,000 \mathrm{~Hz}$
- $7,000 \mathrm{~Hz}$ Electrical Crossover
- $31 / 2^{"}$ Cone Type Direct Radiator Tweeter
- Rich Hand-Rubbed Oiled Walnut Finish



## 5 Year AAA Guarantee see Page 415



Improved version of our best-selling Criterion "50". Provides impressive m -fi sound, yet measures only $107 / \mathrm{HH} \times 19 \mathrm{w} \times 87 / \mathrm{m}^{\prime \prime} \mathrm{D}$. An $8^{\prime \prime}$ heavy-duly woofer with 36 oz . magnet structure and $1^{\prime \prime}$ volce coll is acoustically matched to a $31 / 2^{\prime \prime}$ cone-type direct radiator tweeter, Proyides deep, rich bass down to 50 Hz with sparkling mid-range and high frequency reproduction to beyond audibility. Electrical crossover operates at $7,000 \mathrm{Mz}$. Enclosure is bass reflex design using a ducted port of the tube type to provide proper acoustic "tuning" of the enciosure. The ducted port provides a special path for the low frequency sound waves radiated from the rear of the wooter so that they emerge "In-step" with those radiated from the front of the speaker, providing substantially greater bass sound power from the system. Finished on all four sides in a rich, hand-rubbed olled walnut veneer with belge acoustic grili material. Rated at 30 -watts. Desigred for vertical or horizontal placement. Dverati response: $50-19,000 \mathrm{MI}_{\text {a }}$ Nominal Impedance: 8 ohms. Imported. Shpg. Wt., 18 lbs. 99 R 02131 W

Net 29.95

## CRITERION ${ }^{*} 77^{9 \prime}$

3-Speaker 3 -Way Bookshelf Acoustic Suspension Speaker System

## ONLY <br> $39^{95}$

## POWER HANDLING CAPACITY 30 WATTS

- $8^{1 / 2 "}$ Woofer with $1^{1 / 4} \mathrm{Lb}$. Magnet Structure and $1^{\prime \prime}$ Voice Coil
- $31 / 2^{\prime \prime}$ Mid-Range Speaker with $1 / 2^{\prime \prime}$ Voice Coil
- $11 / 2^{\prime \prime}$ Direct-Radiator Type Tweeter
- Crossover Frequencies: 3,000 and $10,000 \mathrm{~Hz}$
- High Frequency Brilliance Control
- Rich, Hand-Rubbed Oiled Walnut Finish




## 5 Year AAA Guarantee see Page 415

Expert combining of components for outstanding performance at an unbelievable low price! Heavy-duty $8 \frac{1}{2} 2^{\prime \prime}$ woofer in a sealed fiberglass.filled enclosure uses the well-known acoustic suspension principle to extend response down to 3 low 40 Hz , assuring deep, natural bass with outstanding clarity and impact. Rellable $31 / 2^{\prime \prime}$ cone-type mid-range speaker reproduces clean, full bodied sound throughout the Important middle frequency range. Sharply detalled high frequency reproduction is accomplished with a $11 / 2$ direct radlator type tweeter... response is true, complete and unmarred by rattle or breakup. Electrical crossover network at 3,000 and $10,000 \mathrm{~Hz}$ assures smooth, balanced distribution of sound over the audio spectrum. Compensating high frequency level control (on rear) permits you to tallor the sound to your specific room acoustics. Handsome walnut finish on four sides with tastefully accented brown grill cloth to blend with any decorating scheme. Overall response: 40 Hz to 19.000 Hz . Impedance: 8 ohms. Im. ported. Size: $19 \%$ W $\times 107 / 1 \mathrm{H} \times 81 \mathrm{~K}_{1}{ }^{\circ} \mathrm{D}$. Shpg. wt. $193 / 4 \mathrm{lbs}$. 99 R 02321 W No Money Down*

Net 39.95

# LafayetteCRITERION ${ }^{\bullet} 100 B^{\prime}$ 40-Watt 10" 3 -Speaker 3-Way Bookshelf System 

POWER HANDLING CAPACITY 40 WATTS

$49^{95}$No Money Down ${ }^{\circ}$

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

## 5 Year Aded Guarantee

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

## System Design Perfectly Matched Components


$\star$ Powerful 10" Woofer with $5^{1 / 2}$ Lb. Magnet Structure and $\mathbf{2 " \prime}^{\prime \prime}$ Diameter Voice Coil

* $3^{11 / 2 "}$ Mid-Range Speaker
$\star 11 / 2^{2}$ Direct Radiator Super Tweeter
- "Tuned" Enclosure with Tube-Type Ducted Port
- Full 12 db / Octave Electrical Crossover Network at 3,500 and $10,000 \mathrm{H.z}$
- Overall Response $30-19,000 \mathrm{~Hz}$
- High Frequency Brilliance Control

Top quality, moderatety priced 3 -speaker 3 -way system that delivers really "big" sound. Equipped with 3 separate speakers for widerange response- powerful 10 -inch woofer with a $51 / 2 \mathrm{lb}$. magnet structure, a $31 / 2^{\prime \prime}$ mid-range speaker, and a $11 / 2^{*}$ direct radiator type super tweeter. All 3 speakers are acoustically matched and employ a full 12 db /octave L/C crossover network at $3,500 \mathrm{~Hz}$ and 10,000 Hz . Features Migh Frequency Control at rear of cabinet. The use of an acoustically "tuned". enclosure results in a reinforcement of the low frequencies, and produces enhanced 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 wal. nut veneer and tastefully framed in an ebony and goid picture frame molding with white and gold acoustic grill material. Highly efficient operation assures rich, fulf-bodied sound even with low-power ampli fiers. For vertical or horizontal placement. Dimensions are $211 / 2 \mathrm{~W} \times$ $113 / 4 \mathrm{H} \times 93 / /^{\circ} \mathrm{D}$. Overall frequency response: $30-19,000 \mathrm{~Hz}$; crossover frequencies- 3.500 and $10,000 \mathrm{~Hz}$; nominal impedance: 8 ohms; power handing capacity 40 watts program material. imported.
Shpg. Wt., 29 ibs
99 R 02115 W
Net 49.95

## SYSTEM DESIGN

The enclosure is a bass-reflex design using a "sonic tube" 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 reso. nances. A powerful 10 -inch speaker with a $5 \frac{1}{2} \mathrm{lb}$. magnet structure provides reproduction of the low frequencies down to 30 Hz . A $31 / 2^{\prime 2}$ cone-type mid-range speaker covers the mid-range frequencles, and a $12 / 2^{\prime \prime}$ direct radiator type super tweeter reproduces the high frequencies. Smooth transition is achieved by means of electrical crossover at 3,500 and $10,000 \mathrm{~Hz}$

## Lafayette CRITERION "150A"

## 3-Way Acoustic Suspension Speaker System



## $59^{95}$

Popular Priced Superb Quality Acoustic Suspension System

- Overall Response 30 to $20,000 \mathrm{~Hz}$
- $10^{\prime \prime}$ Acoustic Suspension Woofer with $2^{1 / 2} \mathrm{lb}$. Magnet Structure and $11 / 4$ " Edge-Wound Copper Voice Coil
- 3" Cone Type Mid-Range/Tweeter
- $1^{1 / 2 "}$ Direct Radiator Super Tweeter
- L/C Crossover at 1600 Hz and $10,000 \mathrm{~Hz}$
- High Frequency Level Control
- Fine Furniture Oiled Walnut Finish

Everything you'd expect to find in a larger system is here. A full, 3.way acoustic suspension design with 3 speakers-but using an enclosure only 1 cubic foot in size. Advanced acoustic design with skillful blending of all speakers provides wide-range natural sound The ideal system for those wanting the finest possible reproduc. tion from compact enclosure. The system's main working element is a special 10 inch highly compliant woofer with a 2 lb .8 oz. magnet structure and a $11 / 4^{"}$ ribbon-type copper voice coll, edgewound on an aluminum form. The cone of this woofer is loose and free from, the usual stiff mechanical suspension. Instead, the woofer cone actually uses the air within the sealed enclosure to provide the spring suspension element. The extremely long cone travel combines with this type of suspension to give bass reproduc. tion that is outstanding in its depth and power. A closed-back $3^{*}$ cone-type driver provides natural reproduction of the upper midrange and tower.high frequencies and assures authentic "presence". The extreme high frequencies are extended cleanly to beyond the limits of hearing by a $112^{\prime \prime}$. super-tweeter with an aluminum cone. Smooth, balanced reproduction over the entire sound spectrum is assured by the use of a full L/C crossover network, 1,600 \& 10,000 Hz . The Criterion 150A also features a high freqeency "brilliance" control on the rear of the cabinet. This enables balance of high frequency tones to suit individual tastes and match various room conditions. The enclosure is of solid $5 / 8^{\prime \prime}$ wood construction with fiberglass packing to virtually elliminate undamped resonance. Alf four sides are finished in luxuriant hand-rubbed olled walnut with handsome beige grille. imported. Shelf size: $19 \mathrm{~W} \times 11 \mathrm{H} \times 8 / \mathrm{m}^{\mathrm{c}} \mathrm{D}$. Shpg. wt. $213 / 4$ ibs.
$99 R 0222 \mathrm{~W}$
Net 59.95

## SPECIFICATIONS

System Response: $30-20 ; 000 \mathrm{~Hz}$; Woofer: $10^{*}$ acoustic suspension high compliance with tong excursion cone and a 2 lb .8 oz. magnet structure and a $14^{\circ}$ edge wound copper voice coil; Mid-Range/ Tweeter: $3^{\text {" }}$ Cone Type 1/2" voice coil, 4 oz . magnet; Super Tweeter: Direct Radiator type: $11^{\prime \prime} \mathbf{2}^{\prime \prime}$, Crossover Networke Electrical ( $L-C$ ) energy transfer circuit; Crossover Frequencies: 1500 \& $10,000 \mathrm{~Hz}$ Power Gapacity: 40 Watts; Impedance: 8 ohms.

## 5 Yerat Ads Guanandee

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 wita your original sales slip or order. Lafayetse will repair it without charge including return transpo tation.


# Lafayette CRITERION " $4 \mathrm{X}^{\text {" }}$ Deluxe 4-Speaker, 4-Way, 12" Speaker System 



## $69^{95}$ <br> 6

No Money Down*

- Overall Response 25 to $20,000 \mathrm{~Hz}$
- Enclosure Uses "Sonic Tube" for Enhanced Bass
- $12^{\prime \prime}$ Woofer has $4^{1 / 2} \mathrm{lb}$. Magnet Structure and 2" Voice Coil
- $5^{\text {" }}$ Midrange Driver in its Own Sub-Enclosure
- 3* High Frequency Tweeter
- $1^{1 / 2 "}$ Super-High Frequency Tweeter
- Fine Furniture Finish in Rich, Oiled Walnut

Here's a bookshelf speaker system that offers blg, full-voiced sound at an extremely modest price-a combination that is sure to make this system one of our most popular. If's a carefully engineered 4 -speaker system with a full 4 -way electrical crossover, housed in a deluxe oiled walnut enclosure to give it the look of fine furniture. 4 separate speakers, each a brilliant performer over its assigned range, work in harmony to provide superb overall sound. The entire music range is reproduced effortiessly... thrillingly life-like in its quality. A big 12" woofer operating in a rigid fiberglass-filled enclosure with a tube-type ducted port (sonic tube), provides deep, enhanced bass. A $5^{*}$ mid-range speaker housed in its own fiberglass filled chamber and acoustically isolated from the main bass enclosure, assures smooth, peah.free reproduction in the important mid-range, Jwo high frequency units cover the upper musical ranges -a $3^{-3}$ speaker from 5,000 to $10,000 \mathrm{~Hz}$, and a $112^{\text {c }}$ super tweeter from $10,000 \mathrm{~Hz}$ to $20,000 \mathrm{~Hz}$. These units provide brilliant reproduc. tion of the highs right out to inaudibility. System finished in rich oiled walnut veneer (on four sides for vertical or horizontal place ment) plus a subdued dark brown grille cloth. Includes high frequency and mid-range controls which permit adjustment of the tonal response, polarized input terminals. Dimensions: $22 \times 14 \frac{1}{4}$ x $11^{\text {the }}$ "D. Imported. Shpg. wt, 391/4 lbs.
99 R 02370WX $\qquad$ Net 69.95

## \$PECIFICATIONS

Overall Response: 25 to $20,000 \mathrm{~Hz}$. Speater Units: $12^{-}$woofer, $5^{-1}$ mid-range, $3^{-}$tweeter, $11 / 2^{-}$super-tweeter. Crossever Metwork: 4 -way LC (coli-capacitor) at $800,5,000$ and $10,000 \mathrm{~Hz}$. Enclasure Design: Tube-type ducted part enclosure, fiberglass-filled. Acoustic Controis: Continuously variable high frequency and mid-range tevel controls coff to maximum). Nominal Impedance: 8 ohms. Power Handling Capacity: 50 watts.

## POWER HANDLING CAPACITY 50 WATTS

## - Year Ach 1 Gerciranios

A -afayette quality product that is glaranceed 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 seles slip or order. Lafayette will repair it without charge including return transportation.

## Perfectly Matched Components



Ricid, Fberglass-Filled Enclosure (3/4" wood constrection)
4.way LC Crossover Hetwork (aterier)

# Lafayette CRITERION N". VI" Deluxe 50 Watt 6-Speaker 4-Way Bookshelf System 



- Enclosure Uses "Sonic Tube" for Deep, Reinforced Bass
- 12 " Woofer with $41 / 2 \mathrm{lb}$. Magnet Structure and Large 2" Voice Coil
- 5" Midrange Speaker Housed in a Sealed Fiberglass-Filled Sub-Enclosure
- 4 Separate High Frequericy Speakers
- Friquency Response: $20 \cdot 20,000 \mathrm{~Hz}$
- Fine Fumiture in Rich, Hand-Rubbed Diled Walnut on 4 Sides
- Individual Midrange and High Frequency Level Controls

A qualtty bcokshelf system with the big, multi-dimensional sound that only miltiple speakers can produce . . . and at an unbeatable price too! Every musical instrument is reproduced with brilliant realism necau there are 6 speakers covering four portions of the entire audip spectrum. There's a blg 12" speaker for the lows, a $5^{\prime \prime}$ unit for me midrange, two $3^{\circ}$ - tweeters for the highs and two $11 / 2^{*}$ super-tweeters for the ultra high frequencies. The enclosure Is also equipped x th a tuned "sonic tube" that makes use of the acoustic output from the rear of the woofer to produce deep reinforced bass for which this type of system is famous. And best of afl, this system is et ficient enough for use even with low powered stereo componerits-actually makes them sound better too! Yet, because It can andle up to 50 watts of power, you can also use this system safelly with high powered components. either now or in the future. Inciludes continuously variable midrange and high frequency level coritrols and polarized terminals. Enclosure is of $3 / 4$ " consfruction and "'es filled. Tastefully styled with a fine furniture finish of fibergio on four sides for vertical or horizontal placemr of ofled shelf or floor standing. Snapout front panel wit $n$ subd elther rk.brown tweed grille cloth that blends unobtrusives 'y withery decor. SPECIFICATIONS: Overall Response: $20.20,000$ Hz. wither Handling Capaclty: Up to 50 Watts. Impedance: 8 ohnems. Cisssover Frequencles: 800 and $5,000 \mathrm{~Hz}(6$ db/octave LC nee twork), $12,000 \mathrm{~Hz}$ (mechanical). Controls: Continuously Variable i fidrange and High frequency. Enclosure: DuctedPort System using : Tunes "Sonic Tube", Speaker Components: 12" Bass Speaker ( $20.80 \mathrm{C} \quad \mathrm{Hz}$ ), $5^{\prime \prime}$ midrange ( $800 \cdot 5,000 \mathrm{~Hz}$ ), two $3^{\text {" }}$ High Frequency Units ( $5, \ldots 00-12,000 \mathrm{~Hz}$ ), two $12 / 2 \mathbf{n}^{\prime \prime}$ Super High Fre. quency Units ( $12,000-20 . \mathrm{a}^{-70} \mathrm{~Hz}$ ). Dimensions: $24 \times 144 / 2 \times 12^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt. 41 lbs .

## 99 R 02263WUX

Net 99.95
${ }^{\circ}$ See Page 22 for Full Credit L" 'etails on Easy Pay Plan

## 5 Ylear Ahta Gracianlee

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 rerum it prepaid with your original sales slip or order. Lafayette will repair it withou: charge including retuin transportation.

## SYSTEM DESIGN



## Lafayette cmitremion esa 5 Electrostatic speaker system



## Power Handling Capacity-50 Watts SPEAKER COMPONENTS

Electrostatic Tweeter Elements-Consists of A Movable Flat Metal Diaphragm and A Non-Movable Metal Electrode Capable of Reproducing High Frequencies Up To 25,000 Hz With Extreme Clarity
8" Low Frequency Transducer That Reproduces Deep Bass Response Down To 45 Hz .

## 5000 Hz . Electrical Crossover Network

Lafayette Introduces a newly designed electrostatic speaker system

## $64^{95}$

5 Year AAA Guarantee See Page 415 with 4 tweeter elements and a low frequency transducer at an amar. ing low price. This outstanding system is characterized for its ability to faithfully reproduce the high frequencies with crystal clear clarity because of the electrostatic tweeter elements, As these type of tweeters require a power source, the ES85 has a 117 VAC line cord and switch. The current consumption is so low, the speaker can be kept on at all times. It is recommended that the ES85 be used with ampliffers rated over 12 watts per channel. The handsome olled walnut wood enclosure is sealed air-tight to extend bass response. Includes a variable high frequency control, Impedance is 8 ohms. Two terminals on the rear of speaker are color coded for proper phasing. Size $113 / 4 \times 213 / 8881 / 2^{\prime \prime}$. Imported. Shpg. wt., 20 Ibs. 99 R $02719 W^{N}$ No Money Down*

Net 64.95

##  <br> (1) $)^{1}$ 75-WATT 12" 4-WAY ACOUSTIC SUSPENSION SYSTEM



Employing the acoustic suspension principle, the Criterion 5XB provides astonishing overall range and clarity, with a deep, solid bass response that makes a stunning impact on the listenef. Four outstanding speakers are used to cover the full spectrum of sound. A $12^{\prime \prime}$ acoustic suspension woofer with $6 \mathrm{lb} .2 \mathrm{oz} . \mathrm{m}^{2}$ gnet structure produces remarkably low bass response-undistorted even at high power levels. An acoustically isolated $61 / 2^{-2}$ mid-range speaker with 12.402 . magnet structure provides flawiess reproduction of the mid-range-free of annoying peaks, yet adding true "presence" to


Sysfe Desis in
the system. Extending response to beyone atwillibility are $3^{\prime \prime}$ and $11 \mathbf{z}^{* *}$ tweeters. Low loss $12 \mathrm{db} / 0 c$ tave crossover at 300 Hz and $4,500 \mathrm{Mz}$, $6 \mathrm{db} / \mathrm{octave}$ crossover at 19000 Mz . Air.tight. \$ eparate, continuously variable mid and treble range controls. Enclor oule has a fine furniture finish In oiled walnut on all four side ss. Specifications-Overall Response: 18 to $25,000 \mathrm{Mz}$. Impedance 8 -ohms. Size: $23 \% \times 147 \% x$ 11 He"D. Impcrted. Shpg. wt., 46 lbs. 99 R 02230wUX No Money 「"Nown*

## LDFRUETIE'S BE57 Floor Standing Speaker Systems

## NEW <br> <br> LAFAYETTE Criterion "88" 3-Speaker 3-Way <br> <br> LAFAYETTE Criterion "88" 3-Speaker 3-Way Acoustic Suspension Consolette Speaker System

 Acoustic Suspension Consolette Speaker System}

Handies Up To 40-Watts Program Material - $10^{n}$ Woofer

- $3^{\prime \prime}$ High Frequency Driver
- 1 道" Super Tweeter
- LC Crossovers at $6,600 \mathrm{~Hz}$ and $10,000 \mathrm{~Hz}$


5 Yr, AAA Guarantee See Page 415

## FEATURES Exclusive "Program Optimizer"changes speaker characteristics according to program material being reproduced

## NOPM POPULAR VICAL



1 NORM-Produces Flat Response Over Entire Audio Spectrum When Listening to a Full Symphonic Orchestra
2 POPULAR-Emphasizes Hi-Frequency and Low-Frequency Response for Rock, Folk, Jaz, and Popular Music Listening
3 VOCAL-Emphasizes Mid-Range Frequencies to Project Voice Reproduction-thus Adding Presence
are extended cleanly beyond the limits of
hearing by a $11 / 2^{-}$super-tweeter with an
aluminum cone. Full range response from
20 to $20,000 \mathrm{~Hz}$. In addition to the "pro-
gram optimizer' there is a high frequency
brilliance control on the rear. The Criterion
88 is finisted on all 4 sides in rich, hand-
nubbed oiled walnut veneer. Impedance 8
ohms. Imported. Size: $241 / 2 \mathrm{H} \times 15 \mathrm{~W} \times 94 / 4 \mathrm{D}$.
Shpg wt., 32 lbs .
No Money Down*
99 R 02693 W
Introducing an exciting new ünovation in
speaker design-an extraordinery perform-
Ing system with a bultt-in "program opti-
mizer" to tailor the sound to the character-
istics of the material being reproduced. Full
3-way acoustic suspension design with 3
speaters-a big $10^{\prime \prime}$ air-suspension wooter
with a 2 lb .8 oz . magnet strecture to ex.
tend bass down to 20 Hz . A clused back $3^{\circ}$
cone type driver provides natural reproduc.
tion of the upper mid-range and lower high
frequencies. The extreme high frequencies

## $159^{35}$

5 Yr. MA Guarantee See Page 415

- Overall Response $18-25,000 \mathrm{~Hz}$
- Powerful 12" Acoustic Suspension Woofer with over 6.1-b. Magnet Structure and Edge-Wound Ribbon-Type Copper Voice Coil on an Aluminum Form - $61 / 2^{\prime \prime}$ Acoustically Isolated Midrange Speaker with $12-0 z$. Magnet Structure - Four Tweeters-Two 3" Tweeters and Two $11 / 2$ " Super Tweeters
- Separate Midrange and High Frequency Level Controis
- $3 / 4$ " Enclosure in Rich, Hand-rubbed Oiled Walnut Finish

Improved version of our best selling Criterion 80. A no-compromise 6 -speaker system created for just one purpose-the authentic reproduction of a massive symphony orchestra. Brings the spectacular realism of a Hving performance right into yeur home. This major accomplishment was achieved by carefull selection and design of speaker units enclosure. A specially designed $12^{\prime \prime}$ acoustic suspension woofer in a large dir-tight enclosure over $34 / 2$ cubic feet in overall size results in remarkably powerful, solid bass. Adided to this is an acoustically isolated $61 / 2^{\prime \prime}$ midrange speaker that uffers natural "presence" without exaggerated midrange peaks. Four tweeters spread across the front
in a calculated configuration ensure a wide dispersion of the highs and reduce high frequency "beaming." Two of these are 3 " units covering the 3,500 to $5,000 \mathrm{~Hz}$ range, and two are ultra-high frequency $11 / 2^{\prime \prime}$ aiumInum cone units that extend response to well beyond audibility Crossover frequencles: electrical at 650 and $3,500 \mathrm{~Hz}$, mechanical at $5,000 \mathrm{~Hz}$. Handsome enclosure is finished in a rich, hand-rubbed oiled walnut with dark brown tweed grille cloth. Impedance 8 ohms. Dimensions: $30^{\prime \prime} \mathrm{H} \times 18^{\circ} \mathrm{W} \times 12^{\circ} \mathrm{D}$. Imported. Shpg. Wt., 67. tbs.
No Money Down ${ }^{*}$
99 R 0270 ?

## Top Quality UTAH HI-FI Speakers \& Speaker Systems



A MEW Model MF axxC-2 $0^{-1}$ Two. Way Coaxial Speaker
Rigid, die-cast trame. Spring loaded fingertip terminals are color coded for easy phasing in stereo systems. Magnet wt.12 12 oz. Power
Handling Capacity 30 Watts. Frequency response $32-19,000 \mathrm{~Hz}$. Resonant Frequency 55 Hz . Impedance, 8 -ohms.
21 R 47346 W Shpg. wt., 5 lbs.
B NEW Model Casc-3C $\mathrm{g}^{\prime \prime}$ Three-Way Coaxial speaker
pigid, pressure cast frame spring loaded color coded fiser terminals. Baked on lacquer finish. Shallow profile only 3 ge" total depth. 10 oz. Alnica vill magnet. Voice coil diameter 1 inch. Power handling capactty 30 watts, Response $35-20,000 \mathrm{~Hz}$. Resonant frequency 55 Hz . Impedance, 8 -ohms. Shpg. wi., 6 lbs.
1 R 47353W
C) NEW Model HF12PC-2 12" Two.Way Coaxial Speater
${ }^{2} 0$ version at
 $19,000 \mathrm{~Hz}$. Resonant írequency 25 Hz , Impedance 8 ohms. Shpg. wt. 12 lbs. 47361 W

DEW Model C12PC-3 $12^{\prime \prime}$ TAree-Way Coaxial Speaker
120 yerston of ape 3 12 Core way Coaxial speaker coil diameter above modet C8ic. 13 C . 20 or. Alnico Vill magnet. Voice $20,000 \mathrm{~Hz}$. Resonant frequency 25 Hz . Impedance 8 -ohms. 21 R 47379 No Money Down*

[E] NEW Deluxe Model A-130 $1 \mathbf{1 2}^{\prime \prime}$ 3-Way Acoustic Suspension system One of Utah's finest systems; Features a powertul 12 w woofer with a The $31 / \nu^{\prime \prime} \times 8^{\prime \prime}$ midrange compression horn has a 8 oz . magnet struc ture, Uses a horn loaded dome radiator tweeter for the upper frequencies. L/C crossovers at 9,000 \& $4,500 \mathrm{~Hz}$. Mid-Range \& High requency contrals. Power handiling capacity 60 watts, Response 30

21 R $47387 w x$ No Money Down
F) HEW Model MK. 17 12" 3.Way Acoustic Suspension system
big $12^{\prime \prime}$ high compliance woofer, $8^{\prime \prime}$ midrange speaker, and sealed $31 / 2^{\prime \prime}$ tweeter. Electrical crossover with high irequency level control 8 power handling capacity 50 watts. Response 32 to $18,000 \mathrm{~Hz}$. Imp 21 R 47395 WX No Money Down* Shpg, wt. 33 tbs. G) NEW Model A-70 10 3 Way Acoustic Suspension System Features $10^{\prime \prime}$ woofer with $13 / 4 \mathrm{lb}$. magnet structure, 6 inch cone type midrange speaker, and a $31 / 2^{2}$ iweeter. Electrical crossover networn t $5,000 \mathrm{~Hz}$. and $2,500 \mathrm{~Hz}$. Power handling capacity 40 watts, Re ponse: $45-18,000 \mathrm{~Hz}$. Impedance, 8 -ohms enctosure. Size: $12 \times 22 x^{\prime \prime}$. Shpg. wt., ${ }^{23}$ lts.
21 R 47403 WX No Money Down*
(NEWLAFAYETTE Criterion W4 3 Speaker inims System


3 Speaker System with Unique Drone Cone for Increased Bass Reproduction


Place on an
Optional flo
Stand


- Ideal For Use As Rear Speakers in 4 Channel Systems
- $5^{*}$ High Compliance Woofer
- Two 3" Cone Type Tweeters
- Power Handling Capacity-25 Watts
- Frequency Response $50-19,000 \mathrm{~Hz}$.


Space saving full-fidelity system in a convenient thin-line conflguration unique innovation has been incorporated in the design of the Crterion
$s$ Year AAA Guarantee See Page 445 response normally minimized in an ultra thin enclosure. In conjunction with the powerlul $5^{\prime \prime}$ high compliance woofer, this results in deep resonant bass response down to 50 cycles. The 2 high frequency tweeter disperse clear, brilliant highs up to $19,000 \mathrm{~Hz}$. Electrical crossover is oiled walnut with a luxurious textured brown grifl cloth. Features adjust
 99 R 02651 w Shpg. wt., 12 lbs.
${ }^{-}$See Page 22 for Full Credit Details on Easy Pay Plan

# 緊互四 High Performance Loudspeaker Systems 



Model Seventeen 10ri 2－Way Acoustic Suspension System Full－range two－way system offering a high level of musical enjoy． ment． $10^{\prime \prime}$ acoustic suspension woofer provides extended bass response： $13 / 4^{" \prime}$ direct radiator type tweeter provides smooth peak． free highs as well as exceptional performance at the mid．fre． quencies．3－position high frequency control permits matching the system to any acoustic environment．Housed in a completety sealed， fiberglass filled，olted walnut， $3 / 4 *$ furniturè grade cabinet．All four sides finished for vertical or horizontal placement．Impedance： 8 ohms．For use with amplifiers of 12 watts IHF or more．Size： $113 / 4$ $\times 231 / 0 \times 9^{\prime \prime}$ ．Shps．wt．， 30 lbs ．
21 R 44210 W No Money Down＊
Net 74.95
Model Twenty Two 8＂ 2 Way Acoustic Suspension System
Bic enough to have all the requirements for excellent performance． Yef small enough to fit unobtrusively into any living foom．Bass frequencies are reproduced through the use of an $\mathrm{B}^{*}$ acoustic sus－ pension wooter．mid and high－frequency performance is provided by pension wooter，mid and high－requency $2^{\prime \prime}$ direct rdator tweeter．Tighty sealed cabinet is oiled walnut finished on all four sides for vertical or horlzontal placement． Impedance： 8 ohms．For ampllfiers with as little as 12 watts Iff per channel．Size： $18 \times 104 / \times 7$ K．$^{\circ} \mathrm{D}$ ．Shpg．wt．， 17 lbs ．
21 R 44244 W No Money Down＊
Net 54.95


Model 5
Model 6

Model Five 4 Speaker Acoustic Suspension System
offers the best low－frequency and power handing capabilifes ol the KLH bookshelf－size speaker systems．Speaker compliment in－ cludes：blg $12^{n}$ acoustic suspension woofer with heavy magnet and cone assemblies；two $3^{\prime \prime}$ miniature heavy－magnet mid－range speak－ ers；and a $13 y^{-\prime}$ high－frequency speaker mounted in a sub－enclosure． Two 3－position switches adjust the $2500-7000 \mathrm{~Hz}$ and $7000-20,000$ Hz ranges．Cabinet of $3 / 4^{-}$plywood finished in olled walnut vencer． 8 －Ohms impedance．Minimum power： 40 watts IHF．Size： $26 \times 133 / 4 \times$ $114 / 2^{*-D}$ ．Shpg．wt．， $531 / 2 \mathrm{lbs}$ ．

## 21 R 4425 IWX No Money Down＊

Net 189.95

## Model Six 12 －way Acoustic Suspension System

Desigmed to handre high power and deliver a full－range of rich sound． Has big 12＂acoustic suspension woofer employing a heavy，oriented． ceramic magnet assembly and fous－layer voice coil； $1 \%^{-}$cone－fype direct radiator tweeter，plus 3 －position high frequency level control． Frequency Response： 32 to over $16,000 \mathrm{~Hz}$ ．Crossover： 1500 Hz ． impedance： 8 ohms．Ideal for floor or shelf mounting．For amplifiers of 25 watts JHF or more．Olled walnut finish on four sides．Size： $232 / 2 \pm 125 / 0 \times 112 / 0^{\circ} \mathrm{D}$ ．Shpg．W1．， $422 / 2$ lbs．
21 R 44061 WUX No Money Down＊
Net 134.00

## dyNact APERIODIC SPEAKER SYSTEMS


－10＂Extended Range Wooter
－Soft Dome Tweeter
－Acoustic Impedance Enclosure Pyinciple
Non－resonant aperiodic design combines，with acoustic impedance principle to assure uniform wide range response．Uses a $10^{\prime \prime} \mathrm{ex}$－ tended excursion wooter and new soft dome tweeter to achieve truly natural sound．Non－fnductlve Crossover Network of 1500 Hz ． 5 ．position matural sound．Non－inductive Crossover Network of iweter control．Designed for use with ampllfters rated at 15 watts or more RMS．Freq．Response： $35-20,000 \mathrm{~Hz}$ ．Impedance： 8 ohms． Wall mounting brackets are provided for hanging the speaker flush on the wall．Ofted walnut finish．Slze： $20 \times 11 \% \times 10^{\prime} 0$ ．
$21 R 23545 \mathrm{~W}$ Shpg．wt．， $24 \% \mathrm{lbs}$ ．
Net 79.95


## NEW Model A－50 10＂ 3 Speaker System

－Two $10^{\circ}$ Extended Range Woofers
－High Dispersion Dome Tweeter
－Acoustic Impedance Enclosure Principle
The A．50 features Oynaco＇s exclusive＂dual－spectrum damping＂－ two acoustically connected chambers each containing a $10^{\circ}$ woofer for smoother and extended low frequency perlormance．A newly designed high－dispersion dome tweeter coupled to a non－inductive netwrk crossing over at 1000 Hz results in extended mid and high frequency response．Minimum power required： 25 watts RMS，Freq． response： $30-20,000 \mathrm{~Hz}$ ．Impedance： 8 ohms．Hand rubbed walnut en closure，size： $28 \times 214 / 2 \times 10^{\prime \prime} \mathrm{D}$ ．Shpg．wt．， 47 lbs ．
21 R 23552 W
Net 179.95

## Wharfedale, ADC, \& EMPIRE Speaker Systems



## Wharfedale W60E 3-way Speaker System

- $12^{*}$ Woofer With $91 / 2 \mathrm{lb}$. Magnet


## Structure

- $5^{-}$Midrange
- 1"Mylar Dome Super Tweeter

Redesigned $12^{\circ}$ wooler with molded one-piece cone, high excursion neoprene surround, and massive $94 / 2 \mathrm{lbs}$, magnet assembly. $5^{\prime \prime}$ mid range, in isolated non-reflecting cylindrical chamber. $1^{\prime \prime}$ mylar dome super tweeter has phase compensating diffuser. All speakers are front-loaded. Genuine oiled walnut cabinet. Response: $30-20,000 \mathrm{~Hz}_{;}$ Impedance 8 ohms. Power: Min. 10 watts, Max. 50 watts (HF per channel). Size: $24 \times 15 \times 12^{\prime \prime}$ deep. Imported.
21 R 75537 wx No Money Down* Shpg. wt., 52 ibs.
Net $\mathbf{1 2 9 . 9 5}$

Wharfedale W25 2-way Acoustic Suspension System


Big $8^{\prime \prime}$ woofer provides rich, deep bass. Crystal ctear treble from a new ultracurvilinear tweeter for smooth, whideangle dispersion of sound, Components are frontloaded. Cabinet is genuine olled walnut and uses new "unitized". construction to eliminate spurious buzzing. Response: $35-18,500$ Hz ; Imp. 8 ohms. Power: Min. 10 watts, Max. 35 watts ( (HF per channel). Size: $151 / 2 \times 10 \times$ $8^{\prime \prime}$ D. Amported. No Money Down*. 21 R 75578 Shpg, wt., 16 lbs. - Net 49.95

## ADC 303AX 2.Way Loudspeaker System

## New

LOW PRICE
$89^{95}$


- $10^{* \prime}$ Woofer and Wide Dispersion Tweeter
- Frequency Response $37 \cdot 20,000 \mathrm{~Hz}$

Outstanding bookshelf system with newly designed high compliance $10^{\prime \prime}$ woofer, and a wide dispersion super tweeter. Crossover frequency: 1500 Hz Response: $37 \cdot 20,000 \mathrm{~Hz}$. Impedance 8 ohms. Power required: 10 watts RMS min. Sire: $233 / 4 \mathrm{H}$ $\times 13 W \times 113 /{ }^{*}$ "D. Shpg. wt., 38 lbs.
21 R 13348W No"Money Down* Net 89,95

Wharfedale W35 3 -way Shelf/Corner
Speaker System


Exceptional performance from heavy-duty $8^{\prime \prime}$ woofer, $31 / 4^{\prime \prime}$ mid-range and $23 / 2^{\prime \prime}$ ultracurvilinear tweeter. Components are frontloaded to reduce cabinet edge refiections. Alr-Ught, sturdy cabinet is renulne oiled walnut. Response: 35 to $18,500 \mathrm{~Hz}_{\mathrm{i}}$ imped ance 8 ohms, Power: Min. 10 watts; Max. 40 watts (IHF per channel). Dimensions: $1^{\circ \prime} \times$ $15^{\prime \prime}$ 1 $^{\prime \prime}$ deep.
21 भ 75552W Shpg. wt., 21 lbs. ... Net 69.75 Corner mtg . bracket- $11 / 2 \mathrm{lbs}$. Net $\mathbf{3 . 4 0}$

NEW! ADC 450A Deluxe 2.Way Loudspeaker System


- Power Handling Capacity 40 Watts RMS
- Response: $25-30,000 \mathrm{~Hz}$

Laboratory guality system featuring $12^{\prime \prime \prime}$ low frequency driver with viscous coated cone and high compliance foam suspension: plus wide range dome radiator tweeter for the upper frequencies. imped. 8 ohms. Olled walnut finish. Size: $25 \times 141 / 2 \times 12^{\circ} \mathrm{D}$. Shps. Wt., 50 lbs.
21 i 13363 x No Money Down" .. Net 134.00

## Wharfedale W70E 3 -way Floor Standing Speaker System



Big 15" woofer has massive $101 / 2 \mathrm{tb}$, magnet assembly. Midrange is special $5^{\prime \prime}$ unit with high compliance suspension in separate cyilindrical chamber. $\mathbf{1}^{*}$ mylar dome omnidirectional super tweeter has compensation diffuser to reduce phase distortion. Genuine olled walnut cabinet. Response: $25-20,000$ Hz ; Impedance 8 ohms. Power: Min. 15 watts, Max. 60 watts (IHK per channel). Size: $24 x$ $223 / 4 \times 13 \%{ }^{2}$ " deep. Shpg. wt., 63 los. Imported. 21 R 75545wx No Money Down* _ Net 189.50

## NEW! Empire 6000M 3-Way <br> Floor Standing System

- Can easily be positioned for 4-channel stereo
Quality 3-way system in a rigid, non-resonating cylindrical type cabinet-only $18^{\circ}$ in dameter and $243 /{ }^{\prime \prime}$ "high. Features $10^{\circ}$ wooter, midrange radiator, and wide angle ultrasondc tweeter. Power handling capacity -75 watts. Response: $30 \cdot 20,000 \mathrm{Mz}$. Imp.: 8 ohms. Satin walnut finish with marble top. Shpg. wt., 60 lbs.
21 R 34989 No Money Down* Net 119.95


# Acoustic Suspension Speaker Systems by 

AR SPEAKER BASES


Size: $11 \times 141 / 2 \times 13$
Shipping Weight 4 lbs.
21 R 72419W Oiled Wal. - Net 10.00
21 R 72401W Unf. Birch _ Net 10.00

AR's 5-YR. SPEAKER GUARANTEE
AR speakers are sold under the manufacturer's 5-year guarantee
covering parts, labor, freight both ways, and packaging if necessary.
AR-4X 2.WAY ACOUSTIC SUSPENSION SYSTEM


No Money Down*


No Money Down*



No Money Down*

No Money Down*

Low cost acoustic suspension speaker system. Designed to give a superbly clean, realistle bass response and clear, crisp highs by utilizing the famous acoustic suspension principle. It Incorporates an $8^{\prime \prime}$ woofer and a $2 \frac{1}{2}$ Inch direct radiatof tweeter with level controt to compensate for different acoustic conditions of your listening room. Electrical crossover frequency is 1200 Hz , A compact ( $19 \mathrm{~W} \times 10 \mathrm{H} \times 9^{-0}$ ) unit for floor or shelf -mounting. Suitable for use whth amplifiers of 15 watts RMS or more per chan. Imp: 8 ohms. wt., 23 ibs 21 R 72492W Oiled Walnut. Net 83.00 21 R 72500 W Unfinished Pine

Net 57.02

## NEW AR- 6 2.WAY ACOUSTIC SUSPENSION SYSTEM

Outstanding performing 2 .way acoustic suspension system at a modest cost Uses only 2 drivers-an $8^{*}$ woofer with heavy molded cone supported at thy outer edge with a urethane polymer suspension, and a wide dispersion $11 / 2$. tweeter with smooth response beyond 20 kMz . Designed for use with amplt fiers rated at 20 watts RMS per channel. Crossover frequency 1500 Hz . High Frequency Level Control. Size: $191 / 2 \times 12 \times 7$ D. Shpg. wt., 24 lbs.
21 h2823w Olled Walnut
Net 81.05
21 R 72831w Unfinished Pine
Net 72.00

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

## Precision-mace components plus the famous acoustic suspension design do-

 liver truly magnificent sound. Includes $10^{\prime \prime}$ woofer for natural bass responsw; $32 / 2^{\prime \prime}$ direct radiator mid-range for realism and a $3 / 4$ " dome type super tweeter providing highs out to the limis of audibility. Frequency response, $42-20.000 \mathrm{~Hz} . \pm 21 / 2 \mathrm{db}$. Less than $2 \%$ harmonic distortion down to 60 Hz Has 2 level controls. Designed for use with amplifiers rated at 20 watts RMS per channel. Finished on 4 sides. $24 \times 111 / 2 \times 131 / 2$ ". Imp.: 8 ohms. Shpg wt. 41数 lbs21 h 72070w Oiled Walnut
Net 120.00
21 R 72054 W Unfinished Pine
Net 109.0 s

## AR-5 3-WAY ACOUSTIC SUSPENSION SYSTEM

Deluze AR bookshelf system! Provides supert full-range frequency response. System features a new $10^{\circ}$ acoustic suspension woofer utilizing AR's most advanced cone design, $11 / 2^{\prime \prime}$ mid-range and $3 / 4^{\prime \prime}$ tweeter each have indepent dent frequency driver controls with crossover at 650 and $5,000 \mathrm{~Hz}$ respectively. Frequency response: $38-20,000 \mathrm{~Hz}$. Impedance: 8 ohms. Designed for use with amplifiers rated at 20 watts RMS per channel. Size: $134 / 24 \times 24$ use with amplifiers rated
$11122^{0} \mathrm{D}$. Shpg wt. 46 lbs.
21 R 72716 wUx oiled Walnut
Net 175.00
21 R 72724 W■X Unfinished Pine
Net 156.00

## AR-3A DELUXE 3 -WAY ACOUSTIC SUSPENSION SYSTEM

Acoustic Research's tinest speaker system. Features a powerful $12^{\prime \prime}$ woofer with $31 / 4 \mathrm{lb}$. magnet, hemlspherical direct radiators for the mid-range and tweeter units with $11 / 2^{\prime \prime}$ and $3 / 4^{\prime \prime}$ domes, respectively. Frequency response from 38 Hz to $20,000 \mathrm{~Hz}( \pm 2 \mathrm{db}$ ). Woofer crossover frequency at 575 Hz ; mid range from $575 \mathrm{~Hz}_{2}$ to 5 kHz ; and the tweeter from 5 kMz up. Designed for use with amplifiers rated at 25 watts RMS per channel. Impedance: 4 ohm: Cabinet finisted on 4 sides. Size: $14 \mathrm{H} \times 25 \mathrm{~W} \times 113 /{ }^{\circ} \mathrm{O}$. Shpg. wt., 61 lbs . 21 \& 72658wx Otled Walnut let 250.00

# Rectilinear's BEST SELLING SPEAKER SYSTEMS 

## MODEL XI 2-WAY BOOKSHELF SYSTEM



Max. Powet Kandling Capacity 40 watts RMS.

Two way speaker system utilizing an ex. tended range $10^{\circ}$ woofer and an extended. range $3^{\text {a }}$ tweeter. The enclosure uses tube. vented bass reflex design for high efficiency without loss of bass response. Crossover frequency: 1800 Hz . Minimum Power Requirement, 10 watts RMS. Max. Power 40 watts RMS. Impedance 8 ohms. Response 45 to $17,000 \mathrm{~Hz}$. Tweeter level control. Diled wal. nut wood cabinet. Sires: $23^{\prime \prime}$ a $12^{\prime} \times 1012^{\prime \prime}$. Shpe. wt., 32 lbs.
21 R ecos4w No Money Down* .... Net 79.50

MODELXA 3 WAY
BOOKSHELF SYSTEM

MODEL III 6 SPEAKER 4-WAY CONSOLETTE SYSTEM


Max. Power Handling
Capacity 75 watts RMS,
Designed to provide the IIstener with a loudspeaker of more accurate response and lower distortion without exceeding the dimensions of a bookshelf type system. UtIires a $10^{\circ}$ woofer, $5^{\prime \prime}$ midrange with $2^{-}$ whizzer cone, and $21 / 2$ " iweeter. Completely enclosed cabinet incorporates an airtight internal shelf that isolates the woofer from the midrange and tweeter. Freq. response $30-20,000 \mathrm{H}_{2} \pm 4 \mathrm{do}$. Crossover Freq. 100 Hz and 8000 Mz . Oilied walnut finish, impedance 4 -ohms. Size: $25^{-} \times 14^{\prime \prime} \times 107 \mathrm{~m}^{*}$ 21 EgOg2wx Shpg. wt., 50 lbs. Net 199.00


Provides concert hall reallsm. Eriliant smooth response from 22 to 18,500 Hz. 12" woofer has a 10 pound magnetic structure. Mid-range driver operates from 250 to 3000 Hz and is mounted in a liber sub enclosure within the main cabinet. Two tweeters cover the 3.000 to 11.000 Hz range with two addt tional super tweeters carrying audio frequen. cies to inaudibility. Min. power requirements: 20 watts RMS; Max, power 100 watts RMS. Two controls: Midrange, tweeter. Impedance: 8 -ohms. Diled walnut finish. Size: $35 \times 18 \times 121 / 4^{\prime \prime} \mathrm{D}$.

Nef 278.00


## 12" Bookshelf Speaker Enclosure



## $32^{25}$

- Ideal For Use With Any 12" Hi-Fi Speaker
 - Solid 3/4" Wood Construction

Beautiful, oiled walnut veneer $12^{-1}$ bookshelf speaker enclosure with picture frame moulding. Features quality construction plus contemporary styling. Custom designed to accept all 12" speakers, Including 2 and 3 wiy types. Solid $3 / 4^{*}$ wood construction. Dual vented port desien plus fiberclass lining gives improved bass response. Acoustically transparent brown tweed grill cloth lets the sound come through without attenuating the nighs. All four sides finished in olled walnut veneer to match the decor of shy room. For vertical or horizontal placement. Size: $14 \frac{3}{4} \times 23 \% \times 121 / 4^{\circ}$ 20 a 01501 w Shpg. wt., $351 / 2$ tbs.

## Luxurious Hi-Fi Furniture For Your Home



Space For

- Receiver
- Amplifier and Tuner
- Records Tape TV
- Pull-out Shelf for Record Changer

Striking all-purpose sheif unit for your hh-fl components-provides impressive display and easy accessibility. Ample space is provided for records and tapes. The shelf for the record player moves in and out, (Speaker compartments are separated for the utmost stereo effect.) Rear has outlet holes to run wires to and from the Recelver or Amplifier. The pressed-wood shelves have a remarkable new surfacing material of rigid walnut colored vinyl called PERMANEER. Permaneer is stain resistant. Wipes clean with a damp cloth. Heat resistant. Needs no speclai polishing care. Keeps lits beautiful woodlike finish. Size: $651 / 2 W \times 151 / 20 \mathrm{xx}$ $301 / z^{\prime}$ H. Comes KD (Knocked domm), Shpg. wt., 85 tbs.
20 R 16004 WX No Money Down*

## Deluxe LAFAYETTE Floor-Standing Hi-Fi Enclosure



Entire Cabinet 3/4" Lumber


Smoothly Sanded
Ready for a Fine Finish


## Full Range LAFAYETTE 8" Hi Fidelity Speakers

## NEW! Deluxe SK-228 8" 3 -Way Hi-Fi Speaker

## Power Handling Capacity: 35 Watts

Only $\quad 11 / 2$ " Voice Coil $19^{95}$<br>- 4 lb. Magnet Structure<br>- Response: $28 \cdot 19.500 \mathrm{~Hz}$<br>- Rigid One-Piece Die-Cast Frame<br>- Cloth Roll Suspension For Low, Smooth Bass

Superb 3-way, $8^{\prime \prime}$ speaker delivers exceptionally clean and natural sound over a full frequency range. Rigid one-piece, pressure die-cast frame maintains precision alignment of criticaliy spaced speaker elements. Powerful, high compliance woofer has cloth roll suspension for low, smooth bass, down to 28 Hz Separate midrange cone for distortion-free midde frequencies. Cone type super tweeter disperses clean, brilliant high frequencies up to $19,500 \mathrm{~Hz}$ large $11 / 2^{\prime \prime}$ voice coil absorts power peaks. Solderless terminals are phase coded for easy phasing, spring loaded for fast wiring and freedom from buzzing. Power handling: 35 watts. Impedance: 8 ohms.
21 R 01749w Shpg. wt., 7 lbs.
Net 19.95


SPECIFICATIONS:

- Overnll Response: 19.500 Mz
- Free air Resonance: $\mathbf{4 5 - 6 5 ~ H z}$
- Power Rating: 20 watts
- Impedence: 8 ohms.
- Cressover: $2,500 \mathrm{~Hz}$
$B^{*}$ Biaxial Speaker offers full, even coverage of the entire audio range with no distortion or coloration to mar your listening pleasure. Specially treated woofer come has a enique "Conical Stiffener" at the apex which, coupled with its high compliance, enables the cone to operate in a piston-like manner-delivering a clean, powerful bass response. The 2-inch tweeter has its own voice coil and magnetic field. Special treatment of cone and cone edge provides even distribu. tion of the high frequencies with no peaks or resonance. $2,500 \mathrm{~Hz}$ electrical crossover. Adjustable brilliance control. Overall depth, $5 \% / 3^{2}$. Imported. Shps wt., 5 lbs.
99 h 00325 w
Net 16.95


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

## Power Handling Capacity: 15 Watts, 30 Watts Peak



- Mechanical 2-Way Design
- Overall Response $40 \cdot 16,000 \mathrm{~Hz}$
- Large Magnet Structure
- Patented Cone Construction and Material High Excursion Woofer
The dual-cone construction used in this high quality $8^{-}$speaker provides the same type of wide-range response normaliy found in true coaxial speakers or muitiple 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 oniy the tweeter cone operates at high frequencies. Patented cone materials provide extremely smooth response over the range of $40.16,000 \mathrm{~Hz}$. Magnets are large and heavy, with a flux density of 10,500 gauss and total flux of 56,000 maxwells. Free air resonance is $55-70^{\circ} \mathrm{Hz}$; impedance is $8 \mathrm{ohms} .41 / 2^{\prime \prime}$ deep. Shpg. Wi., $41 / 2 \mathrm{lbs}$. Imported. 99 R 00275 K

Net 9.95

# LAFAYETTE'S Finest Hi-Fidelity Speakers 

## deluxe Lafayeme Sk-315 15" 3 -WAY DIE CAST SpeakER

## 5 Year AAA Guarantee See Page 415

- Massive $\mathbf{1 5} \mathrm{lb}$. Magnet Structure
- Free-Edge Cone Suspension
- $3^{\prime \prime}$ Woofer Voice Coil
- Pre-wired $12 \mathrm{db} /$ octave Crossover Network with Calibrated Brilliance Control
- Compression Type, Horn Loaded Tweeter is Co-Axially Mounted
- Frequency Response: $20-20,000 \mathrm{~Hz}$.
- Cone Resonance - 24 Hz

Lafayette's engineers teamed-up with America's leading speaker manufacturer to develop this outstanding $15^{\prime \prime} 3$-way co-axlal speaker so It could deliver more than you are ever likety to ask of it.? The enormous 15 lb , magnet structure delivers an amazing 13,000 Gauss flux density . total flux is almost 300,000 Marwelis! The extra thick walls of the cast frame minimize "ringing" tendencies. Features aluminum wire for the $3^{\prime \prime}$ voice coil to achieve high conversion efficiency. The woofer cone is suspended by chemically treated clath edges and a flat spider for a low. low free air resonance of only 24 Hz. This suspension also damps standing waves which tend to develod across the cone. The co-axially mounted mid-range radiator and compression tweeter assure reproduction of all frequencies in the audlble range. The fweeter level control lets you adjust the speaker to suit room acoustics and your personal taste in response. Engineered to mount to either front or rear of baffle board; extra gaskets furnished.
21 R 01715 WX Shpg. wt., 24 lbs.
Net 79.95

## SPECIFICATIONS:

Free Air Resonance: $24 \mathbf{H z}_{\text {.: }}$ Overall Frequency Response: 20 $20,000 \mathrm{Mz}$. Flux Density: 13,000 lines per 50 . Cmi; Crossover: Mechanical at $2,500 \mathrm{Mz}$., electrical at $5,000 \mathrm{Mz}$.; Power: 40 watts program, 80 Watts peak; Woofer Voice Coll: $3^{\prime \prime}$ dia., tweeter, $7 / /^{\prime \prime}$ dia.; Impedance: 8 ohms; Outside Diameter: $151 / 4 "$ ": Dverall Depth: $8^{\circ}$

No Money Down* Made in U.S.A.

## DELUXE LAFAYETTE SK-312 12" 3-WAY DIE CAST SPEAKER

## 5 Year AAA Guarăntee See Page 415

- Free-Edge Cone Suspension
- $2^{\prime \prime}$ Wooter Voice Coil
- Pre-wired Crossover Network with Calibrated Brilliance Control
- Direct Radiator Super Tweeter is Co-Axially Mounted
- Power Handling - 70 Watts Peak

This outstanding $12^{\prime \prime}$ speaker is the result of a joint effort between Lafayette's engineering group and the engineering staff of one of America's most respected speaker manufacturers. Features a rigid pressure die-cast frame with phase coded speaker terminals. $6^{3 / 4}$ th. magnet structure delivers an amazing 9000 gauss flux density. The woofer cone is suspended by chemically treated cloth edges for a low, low free air resonance of only 25 Mz . This suspension also damps standing waves which tend to develop across the cone. The separate mid-range cone and direct radiator super tweeter assure reproduction of all frequencies in tha audible range, The brilliance control permits adjustment of the high frequency response to satisfy room acoustics and the owner's taste. you can mount this speaker to either the front or rear of the baffle; extra gaskets for front mounting are included.
21 R 01707W Shpg. wt., 12 Hs.
Net 39.95

## SPECIFICATIONS:

[^2]No Money Down*

Power Handling Capacity 70 Watts Peak

## HEAVY DUTY, 3-WAY CO-AX SPEAKERS



- 4 10. Magnet structures in heavy steel return circuits.
- 4" TWEETERS are protected by beautiful, anodized screen which is trimmed in polished chrome . . . attractive durable finishes.
- DELUXE phase-coded, spring-foaded terminals with Teflon insulation. No tools needed.
- Magnet covers and chassis feature baked-on enamel to corrosion proof the vital, critically dimensioned steel elements for years.


## (A) 12" 3.WAY SPEAKER HANDLES 45 WATT PEAKS

Large voice coll ( $11 / 2^{\prime \prime}$ Dia.) and large 4 lb . magnet structure for efficient, smooth handling of bass frequencies. $4^{\prime \prime}$ tweeter, with an Alnico V magnet, is coaxially mounted; has electrical crossover at $4,500 \mathrm{~Hz}$. The midrange cone is mechanically coupled to the woofer voice coll. Handies 23 watts program materiat, 45 watts peak. Res., 45 Hz . Response, $35-20,000 \mathrm{~Hz}$. Impedance 8 ohms.
21 R 47262 W Shpg. wt., $83 / 4 \mathrm{tbs}$.
Net 17.95
(B) $15^{\prime \prime} 3$-WAY SPEAKER HANDLES 50 WATT PEAKS

Same heavy-duty combination of voice coil and magnet as the $12^{*}$ version, above, plus' the benefit of the extra cone area of a $15^{\prime \prime}$ speaker. Tweeter and midrange cone are also identical to above $12^{\prime \prime}$ speaker. Handles 25 watts of program material, 50 watts peak. Resonance, 40 Hz . Response, $30 \cdot 20,000 \mathrm{~Hz}$. Impedance, 8 ohms.
21 R 47254 W Shpg. wt., 11 lbs.
Net 21.95

## 12" WIDE RANGE CO-AX SPEAKERS


[C] $12^{\prime \prime}$ WIDERANGE HI-POWER HI-FI SPEAKER

- 4 Pound magnet structure, $14 / 2^{\prime \prime}$ voice coil
- Deluxe, finger-tip operated, phase-coded terminats
- Magnet cover and chassis have baked-on lacquer finish
- Co-axially mounted high frequency cone extends range

An excellent, general purpose $12^{\prime \prime}$. speaker built to take power peaks up to 45 watts. 20 ounce ceramic magnet, $11 / 2^{\text {" }}$ voice coil. tmpedance, 8 ohms; response, $35 \cdot 17,000 \mathrm{~Hz}$; resonance, 45 Hz . Co-axially mounted high frequency cone extends range. Shpg. wt.. 7 lbs. 21日 47122w

Net 16.95

## [D] 12" CO-AXIAL HI-FI SPEAKER

- 4" Co-axially mounted tweeter with builf-in crossover
- Magnet cover and chassis have baked-on lacquer finish

A wide range, efficient speaker for medium power amplifiers. Will handle 12 watt program material, 25 watt peaks. Excellent for the hi-fi enthusiast with a limited budget. Response, $40-18,500 \mathrm{~Hz}$.; im. pedance, 8 ohms; 5.5 ounce ceramic magnet; resonance, $60{ }^{\circ} \mathrm{Hz}$. Voice coil diameter $\mathbf{1 "}^{1 " .}$ Shpg. wt. $53 \mathrm{3} / \mathrm{lbs}$. 21 R 47155

Net 11.95


# Deluxe Woofers, Tweeters \& Mid-Range SE LAF A YETTE Speakers for Do-It-Yourself Systems 

## WOOFERS FOR ALL POPULAR CABINET SIZES

## (A) $15^{\prime \prime}$ WOOFER HANDLES 55 WATT PEAKS

A poweriul, woofer capable of reproducing bass frequencies, at power levels you can feel. A mammoth 40 ounce ceramic magnet in a magnetic structure weighing $7^{3 / 4}$ pounds. The oversize, $z^{\prime \prime}$ diameter voice coll easily handles 28 watts contimuously and absorbs 55 wati peaks. The baked-on lacquer finish on the magnet cover and chassis protects against corrosion of the critically dimensioned steel elements. Defuxe, phasecoded, fingertip terminals with Tefion insulation. Res. freq., $50 \mathbf{H z}_{2}$; resp., $20-5,000 \mathrm{~Hz}$.; imp., 8 ohms; Shpg. wt., 14 lbs.
21R47197w Net 28.95

## (B) 12' WOOFER HANDLES 50 WATT PEAKS

This $12^{\circ}$ woofer uses the same enormous magnet assembly, and the same $2^{\prime \prime}$ voice coll we feature in our $15^{\prime}$ woofer. Even though the cone is smaller; the resonance is held to a mere 30 Hz . by using a highly compllant cloth cone edge. Power handing is 25 watts continuous and 50 watts peak. Incluces all the deluxe features you've come to expect from Lafayelte; baked on lacquer finish on magnet cover and chassis, and fingertip terminals with Teflon insuiation. Response, 20-4,500 Hz.; im pedance, 8 ohms. Shpg. wt., $121 / 4$ lbs.
21 R 47205W
Net 26.95

## [C] $8^{\prime \prime}$ WOOFER HANDLES 40 WATT PEAKS

A space-saving $8^{-0}$ diameter woofer that makes every effort to rival it's larger counterparts in frequency response and power handjing ability. Features a 20 ounce magnet ( 4 pounds total structure), a $11 / 2^{\prime \prime}$ voice coil and highly compliant cloth-roll cone suspension, Handles 20 watts of program material, 40 watts peak. Free air resonance is 55 Hz . Deluxe features include phase-coded finger-tip terminals with Teflon insulation, baked-on lacquer on magnet cover and chassis. Response, 35-7,500 Hz.; Impedance, 8 ohms; Shpg. wt., $67 / 4$ ibs.
21 R 47213
Net 13.95


## MIDRANGE COMPONENTS - HORN \& DIRECT RADIATOR

 (0) $8^{\prime \prime}$ HIFI MIDRANGE HAS SEALED BASKETThe closed basket, (chassis) of this midrange speaker prevents inter-modulation from the back pressure of a woofer used in the same cabinet. A 10 ounce ceramic magnet and 1 " voice coil are used for high sensitivity. When used with the proper crossover, this speaker will handle the midrange and high frequency power of a 30 watt program. Ideal for use with a 700 Hz . crossover. Baked-on lacquer finish, magnet cover and chassis; deluxe phase-coded, finger-tip terminais; resp., 350 . $14,000 \mathrm{~Hz}$; impedance, 8 ohms. Shpg. wt., $41 / 4 \mathrm{IBs}$.
21 : 47189

## [E] MIDRANGE HORN OFFERS HIGH EFFICIENCY

High efficiency means more sound output per watt input. Now hear cymbals and brass with outstanding brilliance. Enjoy, too, the wide dispersion angle of this diecast horn. Prewired crossover operates at $1,000 \mathrm{~Hz}$., attach to your woofer with two simple solder connections. Will handle the mid-range and high frequency power of a 30 watt program. Response, $600-12,000 \mathrm{~Hz}$; impedance, 8 ohms; voice coil diameter, $z_{4}^{\prime \prime \prime}$; magnet, 1.4 ounce Alnico $V ; 101 / 2 \times 31 /{ }^{1 / 11 "}$ deep. Baked-on tacquer finish. Shpg. wi., $33 / 4$ lbs


## TWEETERS-COMPRESSION AND DIRECT RADIATOR <br> (f) HIGH PERFORMANCE $21 / 2^{\prime \prime}$ CONE TYPE HL-FI TWEETER <br> High performance remarkably compact low cost treeter handles 3 watts input music power. Frequency response of 3,000 to $15,000 \mathrm{~Hz}$. Magret weighs 1.3 oz . Depth 13/ ${ }^{(1)}$ Impedance: 8 ohms. Imported. Shpg. wt., 6 oz.

(G) DIRECT RADIATOR SUPER TWEETER

Direct radiator type super tweeter with aluminum cone, enclosed metal case, and leads. Offers Migh sensitivity and wide dispersion ansle. Handles up to 20 watts. Response, $4,000-18,0004 z$; Voice coll, dia. $\%_{0}^{*}: 1.23 \mathrm{oz}$. magnety Recommended crossover frequency; $5,000 \mathrm{~Hz}$ or higher; Imp. 8 thms. Imported. Requires $\mathbf{2 \%} \mathbf{~ m i d a}$. mounting. Shpg. wt., 1/2 lb.

Net 2.55


# Miniature Lafayette HighCompliance Hi-Fi Speakers 

## Specially designed, miniature, hi-fidelity speakers with heavy magnets. For the hi.fi enthusiast who requires quality performance in a compact area.

(A) LAFAYETTE $3^{\prime \prime}$ TWEETER. Fresh sounding foam-mounted cone tweeter delivers 1,200 to $20,000 \mathrm{~Hz}$ frequency response. Power handing capacity 8 watts peak. Depth $13 / 4^{\prime \prime}$. Impedance: 8 ohms. Imported. Shpg. wt., 1 tb . 99 R 01562

Net 2.95
(B) LAFAYETTE 4" FULL RANGE HI-FI SPEAKEM. Fine performance from a speaker only $2^{\prime \prime}$ in depth. Frequency response 50 to $16,000 \mathrm{~Hz}$ Power handling capacity 8 watts. Rugged steel frame construction. Heavy 8.11 oz. magnet. Impedance: 8 ohms. Imported. Wt., 2 lbs. 99 R 01729

Net 5.95
(C) DELUXE LAFAYETTE $5^{"}$ WOOFER. Superb bass response is achieved through carefut matching of large $11 / 2$ pound magnet, $1^{\text {- }}$ voice coll, and specially treated cloth surrounded cone. Frequency response; 40 to $12,000 \mathrm{~Hz}$. Will handle 15 watt peak power. Depth $4 \frac{1}{3}$. Imported. Shpg. wt., 5 lbs.
99 R 01554
Net 8.95
(D) LAFAYETTE 5" COAXIAL HI FI SPEAKER. Super miniature speaker handles up to 25 watt power. Frequency range 38 to $19,000 \mathrm{~Hz}, \mathrm{Mag}$ nificent sound reproduction. Heavy magnet weight 1.1 ib. Rugged steel frame construction. Impedance: 8 ohms. Only $2 \% 4^{\circ "}$ in depih. Imported. Shpg. wt.. 3 lbs.
99 R 01703
Net 9.95
(E) LAFAYETE $61 / 2^{\prime \prime}$ DUAL-CONE HI FI SPEAKER. POWerful $61 / 2^{2}$ speaker only $21 /{ }^{4}$ in depth. Large 1 ib. magnet. Frequency response $50-16,000 \mathrm{~Hz}$. Power handing capacity- 15 watts. Rugged steel frame construction. Impedance: 8 ohms . Imported. Shpg. Wt., 4 los.
99 R 01737
Net 7.95


New!
LAFAYETTE HIFFI ACOUSTIC SUSPENSION SPEAKERS


Model SK118 8" Speaker 795 Model SK112 12" Speaker

- Cloth Roll Suspension
- Peak Power Capacity - 30 Watts
- 1" Voice Coil Diameter
- Magnet Structure $13 / 4 \mathrm{lbs}$.

Professionally designed hiffi speakers for acoustic suspension sys. tems. Both models feature cloth roll suspension. powerful $17 / 4 \mathrm{lb}$. magnet structure, $\mathbf{l}^{\text {- }}$ voice coils, and 8 ohm impedance. Cabinet plans are included with each speaker. Permanently viscous edge roll treatment seals each speaker and smooths treble response. Fre. quency response: SK118 $30-20,000 \mathrm{~Hz}$; SK112 28 -18.500 $\mathrm{Hz}_{\text {; Peak }}$ Handling Power: 30 Watts; Dimensions: SKl 18 Depth $3^{-}$, Outside


| Stock No. | Wodel No. | Type | Shpe. wt. | Net es. |
| :--- | :---: | :---: | :---: | :---: |
| $21 R 01756$ | SK118- | Speaker | 3 tbs. | 7.95 |
| $21 R 01764$ | SK112-12 Speaker | 4 lbs. | 9.95 |  |



## (A) 2-WAY CROSSOVER NETWORK

Crossover network designed for 8 ohm woofers and tweeters. Cross. over frequency, $3,000 \mathrm{~Hz}$. Easily accessible lug terminals. Rugged metallic case $31 / 2 \times 17 / 211 / a^{"}$. Fibre mounting reducing extraneous pickup. Mount on inside of speaker eabinet. Complete with simplitted instructions, Imported. Shog. wt., 6 oz .
99 R 01406
Net 2.95
(8) DELUXE 2-WAY CROSSOVER NETWORK

A carefully designed capacitive-Inductive 2 -way crossover network with crossover frequency easily set to either 2500 or 5000 Mz . 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 piate, For use with $8-16$ ohm speakers. Easily accessible screw terminals. Metal case $57 / 4 \mathrm{x} \times 23 \mathrm{HH} \times 25 /{ }^{2}=\mathrm{D}$. Complete with simpllfied instructions. Imported. Shpg. wt., 2 Ibs.
99R 00218
Net 8.95
(C) DELUXE 2 and 3-WAY L/C CROSSOVER NETWORK

Can be used either as a 2 -way or 3 -way 6 db per octave network. SIx crossover combinations are avaliable - 2 -way crossover with $2000-3000 \mathrm{~Hz}$ or 5000 Hz crossover, and 3 -way with crossover fre. quencies of 350 and 5000,350 and $2000-3000,700$ and 2000-3000 or 700 and 5000 Hz for 8.16 ohm speakers. Brilliance and Presence controls-are mounted on the front panel. Level controls may be removed. Escutcheon plate, for external mounting; 3 ft . leads. 99 R 00226 Imported. Shpg. wt., 4 lbs.

Net 15.25

## Revolutionary LAFAYETTE "Poly-Planar" Speakers

## Super-Thin Electro Dynamic Speakers

Lafayette "Poly-Planar" wafer-type component loudspeakers employ a lightweight acoustic panel supported by a frame of polystyrene plastic material to reproduce a range of frequencies from $30 \mathbf{~ H z}$ to $\mathbf{2 0 , 0 0 0} \mathbf{~ H z}$. This material also permits the speakers to be made impervious to extremes of temperature, humidity, shock and vibration. There is also a minimum of piston motion resulting in low distortion and high electromagnetic efficiency.

- Super-Thin Construction Permits New Design And Installation Ideas
- Wide:Range High-Fidelity Performance


12 inch
SPEAKER
10 $0^{95}$

$12^{\prime \prime}$ POLY-PLANAR WIDE RANGE SPEAKERUnique physical and audio characteristics permit a wide range of uses: Hi.Fidelity speaker systems, TV or radio, automotive, public address, architectura! application (Build Poly-Planars into walls, closet doors, cellings), and marine application. Use it as it is or cover it, baffie it, enclose it. Specifications: Power Capacity 25 watts Peak; Frequency Range, 40 $30,000 \mathrm{~Hz}_{2}$, Voice Coil diameter, $1^{1 " ;}$ Magnet welgnt, 4.8 oz . Imp .8 ohms; Maximum operating temperature, $+175^{\circ} \mathrm{F}$. Size: $11 / h^{\circ} \mathrm{D} \times 141 / 10^{-H} \times 113 / \mathrm{s}^{\circ} \mathrm{W}$. Shpg. wL, $21 / 4 \mathrm{lbs}$.
21 R 56016
Net 10.95
DELUXE 12" POLY-PLANAR WIDE RANGE SPEAKER Same as above but power handing capacliy is 40 watts peak, 25 watts RMS. Freq. response, 30-20,000 Hz . Shpg. wt., 1 1/2 lbs. 21 R 56081

Net 12.95
$5^{\prime \prime}$ POLY-PLAHAR WIDE RANGE SPEAKER-
Same physical and audio characteristics as above $12^{\prime \prime}$ speaker. Especially designed for small space high performance applications such as automobile speakers, extension spzakers. Specifications: Power capacity, 5 watts Peak; Imp., 8 ohms; Frequency range. 60 Hz to $20,000 \mathrm{~Hz}$, operating temperature range, $-20^{\circ} \mathrm{F}$ to $+175^{\circ} \mathrm{F}$; voice coil diameter, $3 / /^{\text {n }}$. Sizes $3 / 4^{\circ " D} \times 84 / 2^{\prime \prime} \mathrm{H} \times 41 / 2^{\circ} \mathrm{W}$. Shpg. wt., $11 / 4 \mathrm{lbs}$. 21 R 56024



## 20 Watt 8 Inch Round Poly Planar Super Thin High Fidelity Speaker

- Replaces $8^{\circ}$ Conventional Cone Speakers in All Applications
New addition to Lalayette's serles of polystyrene acoustic panel type speaker systems. Only $1^{\prime \prime}$ deep. Its unique construction makes it impervious to extremes of temperature, humidity, shock and vibration. Shallow depth permits mounting on doors, walls, celilings or ordinary speaker enclosure. Specifications: Power cap.: 10w; Freq. Range: $40-20,000 \mathrm{~Hz}^{2}$, Voice Colt: $3 / 4^{-}$; Impedance: 8 ohms; Size: 8" dia., $1.05^{\prime \prime} \mathrm{D}$. Shpg. wt., 1 lb .
21 R 56065
Net 8.95


## All Weather Outdoor Poly Planar Hi-Fi Speaker Systems



5" SYSTEM
1295

- Fully Weatherproof
- Can be Mounted, Can be Hung. or Can Stand

[^3]
## SPEAKER GRILLS FOR POLY-PLANAR SPEAKERS

- For Surface or Custom Flush Mount Two types ror either $12^{\prime \prime}$ or $5^{\prime \prime}$ speakers. Will provide beautiful custom flush mount installations in your home.

O FOR with walnut grain finish.
195 Fon $21 R 26040$
FOR $5^{\prime \prime}$ SPEAKER. Wt. 11 Net 3.95 FOR $5^{\prime \prime \prime}$ SPEAKER. Wt., 11 oz.
$21 R 56057$

Net 1.95

# Specialty Hi-Fi Speakers For The Home and Car <br> NEW Matched Pair Of Dome Hi-Fi Tweeters <br> LAFAYETTE "Omni II" 10" 2-Way $360^{\circ}$ Multi-Directional Hi-Fi Speaker System 




## Add to an Existing

Speaker System for
Superior High Frequency Performance
Spectally developed high powered $31 / 2^{\prime \prime} \mathrm{hi}$ fidelity tweeters. The disphragm is dome shaped, providing a nearly ideal polar pattern, Frequency response is $\$ 500 \mathrm{~Hz}$ to 20 KHz . Because of low cone mass, transient distiortion is negligible. Power handling ca. pacily is 40 watts RMS with recommended crossover frequency at 4000 Hz or higher. Magnet weight 9 oz Ideal for use in 2 and 3 way 8 -ohm speaker system. Shpg. wt, 3 ibs. Imported.
21 R 29500
Net 14.95

- Power Handling: 40 Watts
- Response: $50-20,000 \mathrm{~Hz}$
- $6 \mathrm{db} /$ octave L.C Crossover Network

Here is a multidirectional acoustic suspension system that provides undeniably reallstic sound in any room...and with virtually any arrangement. Placement is not critical. Use 2 anywhere in the room... sit where you like-hear a natural blend of direct and reflected $360^{\circ}$ sound. Features a powerful $10^{\prime \prime}$ woofer with a 40.6 oz . magnefic structure and a $11 / 4$ " volce coll, plus a direct radiator type $31 / 2^{" \prime}$ super tweeter. Handsome hand rubbed oiled walnut finish with charcoal brown grill cloth. 6 db/octave crossover network at 2600 hz . Freq. Response: $50-20,000 \mathrm{hz} \pm 10 \mathrm{db}$. Power handiling capacity: 40 watts. Brilliance level control. Impedance 8 ohms. Size $13^{\prime \prime} \times 13^{-} \times 191 / 4^{\circ}$. Imported. Shog. wt., 29, bs.
99 R 02438 wx No Money Down
Multl-Directlonal Sound spreads sound through entlre room. You sit anywhere you wart and hear perfect stereo.

## LAFAYETTE CRITERION* "R-10" SOLID STATE TRINARY REVERB AMPLIFIER/SPEAKER SYSTEM

## ACTUALLY 3 QUALITY AMPLIFIERS IN 1

1) Use as a Reverb Amplifier and Speaker:
2) Use as a Stereo Center Channel Amplifier and Speaker:
3) Use as a Phono Amplifier and Speaker

Engineered to fill an Important void In today's high fldellty market Enhances your stereo listening by adding a center channel to your amplifier or receiver. Creates concert-hali reallsm when used as a revert amplifier and speaker in stereo or mono systems. Or you can plug in a record changer with a ceramic cartridge-and you have a complete hi-fi system. Wide-range high compliance speaker delivers rich natural sound. Power output is 1.7 watts RMS. Sensi-tivity-ceramic phono- 100 mv , center channel- 150 mv . Inputs-Reverb, C̣enter channel, phono (all inpuls use RCA jacks and require leads with RCA plugs). Space-age solid state circultry. Front panel volume control with push type on/off switch. Rear panel AC convenience lack. Size: $117 / 4 \mathrm{~W} \times 81 / 3 \mathrm{H} \times$ $57 /{ }^{\circ}{ }^{\circ} \mathrm{D}$. For 117 VAC 60 Hz . Imported. Shpg. wt., 8 lbs.
$34^{95}$ 99 R 02446 No Money Down*

Net 34.95


Mandsome Mand Rubbed Olled Walnut Cabinet

## The Amazing LAFAYETTE Sound Reproducer

## Turns virtually any Surface into a Speaker

Remarkable concept in providing sound aimost anywhere. Coneless reproducer attaches to wall, doors, cellings, of most any object. Transforms the whole surface into a sounding board for beautifut "sound reproduction". Easily connects to speaker leads of any radio, phono, tape ployer, amplifier, receiver or other sound equipment. Perfect for use in Dackground music or PA systems. For 4, 8, or 16 ohm solid-state or tube equipment. Can be used in a car. Builtifin magnet for attaching to metal objects and screw for attaching to wood, plastic, etc. Size: $2^{\prime \prime}$ dia. $x 11 / 2^{\prime \prime} \mathrm{H}$. Shpg. wt., 1 lb .
21 R 01590
Net 7.95

## Attractive Cabinet Kits For Records and Components



(A)<br>COMBIMATION RECORD AND COMPONENT HUTCH $59^{95}$ (B)

COMBINATION
RECORD AND
COMPONENT
CABINET

[A COMBINATION RECORD AND COMPONENT HUTCH
hardboard. Comes knocked-down. Simple to

Handsomely styled hutch designed to accommodate your high fidelity components, records, and tapes. Can also be used to store books, 2 shefves are adjustable for place. ment of your tape recorder, phonograph, or even a television set. Oifed walnut finish on
assemble with easy-to-follow instructions. includes all mounting hardware. Overall size: $63^{\circ} \mathrm{H} \times 141 / 4^{\prime \prime} \mathrm{O} \times 24^{\circ} \mathrm{W}$. Lower compartment with sliding doors $16^{\prime \prime} \mathrm{H} \times 14 \mathrm{~K} / 4{ }^{\prime \prime} \mathrm{D} \times 24^{\prime \prime} \mathrm{W}$. Shpg. wt., 55 lbs
20 R 23018 WX
Net 59.95
[B] COMBINATION RECORD AND COMPONENT CABINET
necessary instructions and hardware. Oiled walnut finish-on hardboard. Overall measurements $36^{\prime \prime} \mathrm{W} \times 16^{\prime \prime} \mathrm{D} \times 30^{\prime \prime} \mathrm{H}$. Inside measure. ments: Record storage section $15^{\prime \prime} \mathrm{H} \times 15^{\prime \prime} \mathrm{D}$; Component shelf section $16^{\prime \prime} 0 \times 9^{\prime \prime} \mathrm{H}$. Shpg. wt. 30 lbs 20 k 23026 W

Net 27.95

## CONTEMPORARY ALL-PURPOSE CABINET

# NEW ONLY 2495 

- Holds Up to 300 Records

All-purpose contemporary cabinet complements yeur decor; adds charm to your room. Walnut grain Permaneer finish is scuff resistant, heat resistant, stain resistant, and easy to clean. Holds up to 300 records, Console design, 3 sliding grooved doors on island base. Easy to assemble. Inside dim: $46 \mathrm{~W} \times 133 / 4 \mathrm{H} \times 13 \frac{1}{2}$ "D. Overall size: $48 \mathrm{~W} \times 19 \mathrm{H} \times 16^{\prime \prime} \mathrm{D}$. Shpg. wt., 54 lbs. 20 R 16012 WX ................................Net 24.95

## ALL PURPOSE RECORD CABINET



Roomy storage section with sliding doors allows for dust-iree storage of up to 200 records. sturdy construction, Mar-proof, walnut Styllte finish. Size:291/2W : $151 / 20 \times 25^{\prime \prime} \mathrm{H}$. Easily assembled. 20 R 58063 W Shpg. wt., 17 lbs .

DELUXE ALL PURPOSE RECORD CABINET

- Holds Up To 400 Records


Handsome soft walnut una-veneer finish. Solid construction stain, mar, and heat resistant. Sliding doors. Holds up to 400 records. Top can be used as a bar or serving table. Easy to assemble. Size $40 \mathrm{~W} \times 160 \times 26^{\circ} \mathrm{H}$. Shpg, wt., 24 lbs .
20 R 23034 W
Net 29.95

# LAFAYETTE Stereo Headphones For Magnificent Private Listening Lafayette MODEL SP55 STEREOPHONIC HEADPHONES 

- Frequency Response $\mathbf{3 0} \cdot \mathbf{1 5 , 0 0 0} \mathbf{~ H z}$
- Air-Cushioned Headband
- Soft Foam Rubber Ear Cushions for Maximum Comfort and Bass Response
- Two $2^{1 / 2 "}$ Wide Range Transducers
with 5 H . cable

Provides outstanding full-fidelify private stereo listening. Extremely comfortable headband is covered with an alr-filled 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 $21 / 2$ " transducers are precisely matched to each ear cup. Complete with attached stereo phone plug, junction box for connection of the headphones to equipment which does not have stereo phone jacks, 5 ft . cable, and instructions. Frequency Response: $30-15,000 \mathrm{~Hz}$. Impedance: 8 ohms per phone. Imported. Shpg. wt., $1^{1 / 2}$ lbs.
99 R 01935
Net 11.95


## Lafayette MODEL F-880 STEREO HEADPHONES

- Soft Rubber Air.Cushioned Ear Pads
- Actually Two $2^{1 / 20}$ Hi-F Speakers
- Frequency Response 25 to $15,000 \mathrm{~Hz}$

Comfort-oriented design makes music tistening a real ple isure. Provides dazzling wide range sound. The f-880 stereo headphones are actuatly two $21 / z^{\prime \prime}$ high fidelity dynamic speakers with a frequency response range of 25 to 15.000 Hz and are rated at $1 / 2$ watt maximum input; impedance, 8 ohms per phone. The soft rubber aircushioned ear pads provide extremely comfortable listening, help to keep out noise and maintain an excellent bass response. With 5 ft . cable and standard $1 / 4$ " phone ptug. Imported. Shpg. wt., 2 lbs. 99 R 02040

Net 17.95


## Lafayette MODEL 8 X STEREO HEADPHONES

- Soft Rubber Cushion Earcups
- With 5 ft. Coiled Cord
- Frequency Response: $35 \cdot 15,000 \mathrm{~Hz}$

Wonderfully comfortable-features soft rubber cushion earcups which block out most externat nolse. Lightwelght vinyt covered headband adjusts to fit easily ... Iets you tlsten to your favorite programs hour after hour without fatigue. The big 2 " transducers in each earcup bring to your ears smooth, full fidelity sound and complete stereo sepalation. The headset weighs only 11 oz. Frequency response: 35 to $15,000 \mathrm{~Hz}$. Output: 100 mw . Matches 8 or 16 -ohm impedance. Supplied complete with $5 \cdot f t$. colled cor 3 and standard $1 / /^{" 1}$ phone plug. Imported. Shpg. w1., $11 / 2 \mathrm{lbs}$.
99 R 01802
Net 7.95


## Lafayette SP22 STEREO HEADPHONES

## Ideal For Use With Stereo Phonographs and Low-Power Stereo Receivers and Amplifiers <br> - Frequency Response: $\mathbf{3 5 \cdot 1 2 , 0 0 0 ~ H z}$ <br> - Lightweight, Only 10 oz.

- Adjustable Headband
with 6 ft. cable
Quality, private listening stereo headphones at a price everyone can afford. Perfect for stereo or mono. Designed for use with low priced stereo receivers, amplifiers, and phonographs. Adjustable headband and comfortable foam-filled vinyl ear pads. Large, $21 / 4$ " dlameter transducers for full-range response. Impedance: 8 -ohms. With 6 -feet of cable and standard stereo phone plug. Imported. Shpg. Wta, ilb 99 R 02123

Net 5.95


## LAFAYETTE'S Best Headphones

 Lafayette F-2001 Electrostatic Stereo Headphone- Super, Wide Range Response $5-35,000 \mathrm{~Hz}$
- Maximum Power Handling Capacity- 10 Watts
- Adjustable Vinyl Cushioned Headband
- 5" x $41 / 2$ " Earphone Cushions
- Weighs only 1602.

The absolute super-realism of live sound is reproduced by this vastly superior, comfortable lightweight, headphone. The substance and deltcate tone of each instrument is spectacularly captured either individually or in harmony with all the other instruments of the orchestra. Listening to the $\mathbf{F} 2001$ stereo phones is truly a magnificent experience. Uses the electrostatic principle-a moving diaphragm is suspended between 2 metal plates. A static electrical fiek is set up that controts the motion of the diaphragm. A self energizer included is required to convert an audio slgnad into a DC polarizing voltage needed to charge the diaphragm. No extra AC power supply is required. Detivers 3 octaves of sound beyond conventional phones, Freq. Response is $5 \cdot 35,000 \mathrm{~Hz}$. Energizer has a speaker/phone switch and comes with color coded speaker cables. Impedance is 4.16 ohms. Imported. Shpg. wt.. 10 lbs.
99 R 02636 No Money Down*
Net 59.95


## MFIT Lafayette F-500 4-Speaker Stereo Headphone

Each Earcup Contains 35/8" Woofer, $3^{\prime \prime}$ Tweeter, and L/C Cross-over Network.<br>- Frequency Response $16 \cdot 22,000 \mathrm{~Hz}$<br>- Adjustable Vinyl Cushioned Headband

Pure, true, uncolored stereo sound. Each earpiece contains a 2 speaker 2 -way sound system featuring a dynamic 35 " woofer and a super mylar cone tvpe tweeter with a 400 Hz , / C cross. over network. The sound is tailored to complement ear sensltivity in order to enhance listening pleasure, Absolute smooth response is virtually distortion free. Rugged shockproof construction. Headband adjus名ment for added comfort. Extra wide foam filled ear cushions seal out ambient nolse, and extends bass response. Meets the rigid requirements of professional use. Impedance 8 to 16 ohms. With colled cord that extends to 6 ft . Shpg. wt., 4 lbs. Imparted. 99 R 02685 No Money Down*

Net 49.95

# Lafayette F1000 Two-Way Stereo Headphone with Individual Volume Controls 

- Individual Left and Right Channel Volume Controls
- Response: $20 \cdot 20,000 \mathrm{~Hz}$
- Two $21 / 2^{" 2}$ 2-Way Woofer/Tweeter Transducers

With the F1000 you can enjoy the reallsm of virtually distortion free wide range stereo headphone listening. Each earcup contains a speciflcally designed 2 way wooter/tweeter transducer and a volume controi for critical, costrolied sound monitoring. For private music IIstening you can tallor the sound to your personal taste without having to get up and adjust the volume controls on your amplifier. Comfortable, lightweight, form fitting design permits you to enjoy extended listening without tiring-hour after hour-stereo or mono. Impedance, $8-0 h m s$. With colled cord that extends up to 6 feet. Imported.
Shpg. wt. $21 / 2$ tbs.
99 R 02552 No Money Down*
Net 39.95

# FAMOUS LAFAYETTE F-990 Stereo Headphones 

## - Two large $31 / 2^{*}$ Wide Range Transducers <br> - Frequency Response $20 \cdot 20,000 \mathrm{~Hz}$ <br> - Air-tight Earphone Cushions <br> - Fully Adjustable, Cushioned Vinyl Headband <br>  <br> With $61 / 2^{\prime}$ Cable'

Now the listener in his home can own a pair of stereo headphones similar to the one used in laboratories. recording studios and broadcast stations. Superbly engineered to provide bsllliant, full-dimensional stereo sound. Two large $31 / 2^{\prime \prime}$ transducers provide complete full-range coverage from $\mathbf{2 0 - 2 0 , 0 0 0} \mathbf{~ H z}$. A comfortably suft but airtight seal to the ear is provided by foam fllled earphone cushions. Fyily adjustable, cushioned vinyi headband will give you hours of Ilstening comfort without any fatigue. Comes with $61 / 2 \mathrm{ft}$. cable and standard stereo phone plug. Impedance: 8 ohms. Imported. Shipg. wt. $21 / 2 \mathrm{lbs}$.
99 R 02099
Net 29.95

## SENNHEISER HD-414 STEREO HEADPHONES

 tortion. Unique "open air" foam ear cushions drastically reduce welght and buik of the headset (only 5 oz . without cord). Ellminates need for closed cavitles on elther side of earphone diaphragms. Features $13 / 4^{\prime \prime}$ wide range transducers. Frequency response: 20. $20,000 \mathrm{~Hz} .2000$ ohm impedance. Connects directly to elther high or low impedance outputs. With 10 ft . cable and stereo phone plug. Shpg. wt. . $11 / 2$ lbs. Imported.
21 R 58004 No Money Down*
Net 33.95


## SUPEREX MODEL PRO-B-V <br>  <br> with 15 ft . coiled cord <br> - Tuned Bass Ports <br> - Response $16-25,000 \mathrm{~Hz}$



Professional quality stereo headphones. Each phone cup has a callbrated and matched 2 -way (woofer/tweeter) speaker system with crossover network. Each system is individually tuned and ported. Luxuriousiy comfortable- the Pro-8-V features a replaceable. soft vinyl covered urethane "com-form" ear cushion, 4-16 ohm impedance. Shpg. wt., 3 lbs.
21 A 80073 No Money Down *
Net 59.95
Superex Model ST.Pro-B-same as above but less bass ports. Fre-
quency response: $18 \cdot 22,000 \mathrm{~Hz}$. Whth 7 ft cord and plug.
21 R 80057 Shpg. Wt., 21/4 Ibs. No Money Down*......... Net 49.95
STEREO HEADPHONE ACCESSORIES

## KOSS DYNAMIC and ELECTROSTATIC STEREOPHONES



Gives smooth, fatigue-free response, 2 octaves beyond conventional dynamic phones. Adjustable wide headband cushion for maximum comfort. Patented, liquid-filied, removable cushions. Designed for use with all stereo hi-fi amplifiers, will operate on any unit from 1 to 500 watts. High quality drivers mounted in acoustically designed enclosures provide smooth frequency response from 10 to 20.000 Hz . With 10 ft . colled cord and plug, 4 ohms impedance, Shpg. wt., $21 / 2$ lbs.
21 R 45209
Net 60.00


Enjoy full dimensional stereo music with maximum comfort. Highly sensitive stereophonic reproducers will accept up to 60 watts per channel from any normal program source and can be used in any system with a 4, 8 or 16 ohm output. Foam-filled ear cushions are removable for easy cleaning. $10-\mathrm{ft}$. colled cord for added convenience, Distortion-less than 1\% at maximum output. Response: $10-15,000$ Hz . Fully adjustable for comfortable private listening -even during long listening periods. Shpg. wt., $21 / 4$ lbs.
21 R 45076
Net 34.95
Koss Model K-6

## Koss Model SP-3XC


with 10 ft . colied cord
Low cost SP-3XC Stereophones are a special ly constructed headset that provide a wide frequency range of $10-15,000$ CDS by means of unusual $31 / 2$ " dynamic reproducers incorporated into each earphone. Foam cushioned earcups are extremely comfortable to wear, light and rugged. Ideal for Stereo, they can also be used for monaural sound. Impedance of 4.16 ohms. With 10 ft . cord and plug. Shpg. wt., 2 lbs.
21 R 45134
Net 19.95

with 10 ft . coiled cort Combines famous Koss sound with comfort. able efflclent fit. Spring steel headband and foam-filled ear cushions form effective seal to achleve a freq. response of $10-16,000 \mathrm{~Hz}$. Vinyl-covered cushions removable for easy cleaning with soap and water. Sponge foam headband for comfort dering extended listening perfods, Impedance: $4-16$ ohms. $10-\mathrm{ft}$. coiled cord with standard stereophone plug for direct connection to most amplifier and receiver systems. Shpg. "to., 2 lbs. 21 R 45175

Net 26.50

Totally new concept in stereo headphones! Uses electrostatic principle ... self-energized disphragms will reproduce 3 octaves of sound beyond the limits of woice coil and cone type driven headphones. Frequency Response: $30-19,000 \mathrm{~Hz}$. $\pm 2 \mathrm{db}$; Usable Response: 10 Hz to 20 kHz . Input Impedance: 4 to 16 ohms. Cushioned foam rubber headband for maximum comfort. Llquid-fllled ear cushions minimizes annoying external noise. Pilot lamps on each ear plece indicates sound level. Including $10^{\circ}$ coiled cord, T-3 connector box with speaker on/off switch, and carry case. Shpg. wt., $61 / 4 \mathrm{lbs}$. 21 R 45167 No Money Down*.

Net 95.00


Lightweight stereophone weights only 12 ounces and still delivers exciting sound. The 'flexible high strength polypropylene headboard conforms to any head size. Has neoprene foam ear cushions for amblent noise isolation. Frequency response $20-20,000 \mathrm{~Hz}$. Impedance 20 ohms each channel. Can be used with systems having 4, 8 , or 16 ohms output taps, $1^{\prime \prime}$ voice coll, Mylar diaphragm. Color: Devil Red. With 10 ft . cord \& plug. Shpg. wt., 2 lbs.

21 R 45217
Net 29.95

(B) T- 5 Remote Control Box

## (A) Model T-1 Monitoring Box

for use in monitoring tapes from high impedance sources such as tape vecorders with preamp only. Contains matching transformers for 600 to 10,000 ohm outputs. Shpg. wt., 2 lbs.
21 R 45035
Net 7.95

## (B) Model J-5 Headsel Control Bol

Provides stereophone and speaker control from remote focation. Has jacks for 2 -sets of stereophones. Left and right channel volume controls and speaker on-off switch. impedance: 4-16 ohms. Metal cabinet. 21 R 45043 Shpg. wt., 1 th2 lbs. Net 9.95

# Pickering, Empire, Shure, Stanton Cartridges <br>  <br> <br> PICKERING MAGNETIC STEREO CARTRIDGES 

 <br> <br> PICKERING MAGNETIC STEREO CARTRIDGES}

To simplify cartridge mounting all Pick ering cartridges will be supplied with a universal mounting platform which will snap into any standard tone arm head. The Pickering cartridge will then easily snap onto the platform.
a DELUXE XV-15 ELLIPTICAL SERIES - Pickering's Premiere Cartridges. Includes "Dustamatic Brush" which automatically cleans the grooves in advance of the stylus. Specifications: Channel separation 35 do: Normal output: Xv-15/750E-5.5 mv; XV-400E-5.5 mv Xv. $15 / 200 \mathrm{E}-\mathrm{B} \mathrm{mv}$. Frequency response: 10 to $25,000 \mathrm{~Hz}$. Stylus type: XV-15/750E-. $0002 \times .0009^{\prime \prime}$ elliptical; XV-15/400E-. $0003 \times .0009^{*}$ elliptical; XV-15/200E-.0004 x.0007* elliptical. Tracking force: XV-15/750E- $1 / 2$ to 1 gram; XV-15/400E-3/4 to $11 / 2 \mathrm{grams}_{\mathrm{g}} \mathrm{XV}$. 15/200E-2 to 4 grams. Shpg. wt., 802 . No Money Down

| Stock No. | Model | For | Net |
| :---: | :---: | :---: | :---: |
| 21 R 53864 L | XV-15/750E | Manual turntables | 65.00 |
| 21 R 53757L | XV-15/400E | Manual turntables | 4.95 |
| 21 R 53781 L | XV-15/200E | Automatic turntables | 9.95 |

- V-is PHASE IV Series incorporates all of the fine characteristics of the XV-15 Series. Narrow and low profile design for simplified mounting. Improved high frequency tracking, is accomplished through lower moving mass of the stylus assembiy. The DUSTAMATIC brush assembly automaticatly cleans records as you play them. The brush is hinged independent of the stylus and never interferes with trackIng force. Specifications: Nominal output; IV-AME 5.5 mv , IV-ATE 6.5 mv , IV-ACE 8.0 mv . Separation; IV AME 30 db , IV-ATE 28 db , IV-ACE 26 db . Traching force; IV.AME $1 / 4$ grams $\pm 1 / 2$, IV-ATE 3 grams $\pm 1$, IV-ACE 4 grams $\pm 1$, Response: IV-AME 20 to $20,000 \mathrm{~Hz}$, IV-ATE 20 $18,000 \mathrm{~Hz}$ IV.ACE 20 to $17,000 \mathrm{~Hz}$. Stylus OV-AME .0003 $\times .0007$. IV-ATE and IV-ACE . $0004 \times .0007$ AVERAGE. Shpg. wt., 502.


## Stock No. Model

21 R 53906 . Phase IV-AME No Money Down
21 R 53922 . Phase IV-ATE No Money Down
21 R 53930 L Phase IV.ACE
Net
(frequency response: 20 to $\mathbf{1 5 , 0 0 0}$ hz. Nominal output: P/ATE-1, 8 mv .; P/AT-1, 8.5 mv ; P/AC. 1.9 mv Channel separation: $20-25 \mathrm{~dB}$. Tracking force: P/ATE-1, P/AT-1, 2 to 5 grams; P/AC-1, 3 to 7 grams. P/AC.1, P/AT-1 with .7 mit conical diamond stylus: P/ATE. 1 with $.0005 \times .0008$ elifiptical stylus. Shpg. wt. 4 oz .
21 R 53880L P/ATE-1 Elliptical 21 R 53567 L P/AT-1 Conical 21 R 53575 L P/AC-1 Conical

Net 24.95 Net 19.95
Net 17.95

- MODEL MAAE ELLIPTICAL STEREO CARTRIOGE. Features an ellip. tical stylus ( $.0004^{\prime \prime} \times .0007^{\prime \prime}$ ) designed for automatic turntables. Tracks from $11 / 4$ to 4 grams. Specifications: Frequency response: $20-20,000$ Hz , channel separation; 25 db , Output voltage: 9.3 mv . Compllance: $15.0 \times 10^{-d} \mathrm{~cm} /$ dyne. Shpg. wt. 3 oz .
21 R 62360L
Net 24.95
E MODEL M-55E ELLIPTICAL STEREO CARTAIDGE. Features elliptical diamond stylus and $15^{\circ}$ vertical tracking angle. For outstanding performance use with tone arm at a tracking force of $3 / 4$ to 2 grams. Separation over 25 db . Output voltage: 9.3 mv . Compliance $25 \times 10$ em/dyne. Shpg. wt., 3 or.
21 R 62410L
Net 29.95
F MDOEL M93E ELLIPTICAL STEREO CARTRIOGE. HI.Track Elliptical cartridge with easy snap-in mounl. Tracking force between $11 / 2$ to 3 grams. Provides outstanding results in automatic or manual turntables. With Bi-Radial $.0004^{-} \times .0007^{-1}$ diamond stylus. Freq. Response 20 to $20,000 \mathrm{~Hz}$. Separation 25 do at $1,000 \mathrm{~Hz}$. WL, 6 oz. 21 R 62436L No Money Down* ............................... Net 39.95
6 MOOEL MSIE OELUXE HI-TRACK ELLIPTICAL STEREO CARTRIDGE with optimized design parameters for trackability. For use in automatic and manual turntables. With Bi-Radial .0002 ${ }^{-1} \times .0007^{-1}$ diamond stylus. Freq. Response 20 to $20,000 \mathrm{~Hz}$. Separation at 25 db at $1,000 \mathrm{~Hz}$. Tracking force: $3 / 4$ to $11 / 2$ grams. Shpg. wt., 302. 21 R 62444 L No Money Down ${ }^{\text {- }}$
H V. 15 TYPE II SUPER.TRACK IMPROVED STEREO DYNETIC ELLIPTICAL CARTRIOCE. Shure's premiere cartridge featuring increased Trackability in the low and mid-frequency ranges. Recreates music with transcendent purity. Retractable elliptical .0007" x .0002" diamond stylus. Specifications: Frequency response: 20 to $25,000 \mathrm{~Hz}$. Channei separation; 25 db at $1,000 \mathrm{~Hz}$. Output voltage: 3.5 mv . Tracking force: $3 / 4$ to $11 / 2$ grams. Shpg. wt., 8 oz.
21 R 62386 L . No Money Down"
Net 67.50


## I MODEL M7/N210 STEREO CARTABOGE. Frequency response: 20 to

 $20,000 \mathrm{~Hz}$. Channel Separation: More than 20 db at 1000 Mz . Output voltage: 4 mv . per channel at 1000 Hz . Tracking force: 2 to 5 grams. Tracks perfectly in all record changer arms with .7 mil conical diamond stylus. Shpg. wt., 302.21 R62063L
Net 12.95

## STANTON MAGNETIC STEREO CARTRIDGE

I MOOEL GAIEE-Designed for low-distortion tractian with minhmum stylus force. High compliance, low mass, and low pressure assure perfect safety of all records. Response; $\mathbf{1 0} \cdot 20,000 \mathrm{~Hz}$. Separation: 35 db , nominal. Output: $0.7 \mathrm{mV} / \mathrm{cm} / \mathrm{sec}$, nominal. Tracking Force: $3 / 4-14 / 2$ grams. Diamond elliptical stylus, and stylus brush. Shpg. wt., 6 oz .
21 R 24006 L . No Money Down
Net 72.00

## EMPIRE MAGNETIC STEREO CARTRIDGES

K $90 E E / X$ Elliptical Cartridge- $15^{\circ}$ vertical tracking angle. fully compatible for stereo or mono. Freq. Response $15-25,000 \mathrm{~Hz}$, Output 8.0 mv , Channel Separation 30 db . Tracking Force: $1 / 2$ to 4 grams. Shpg. wt. 202.
21 R 34955 L
Net 24.95
L. go9Ex Elliptical Cartridge- $\mathbf{1 5}^{\circ}$ vertical tracking angle. Induced field moving magnetic armature. Fully compatible for stereo or mono. Freq. Response $\mathbf{1 2 - 2 5 , 0 0 0} \mathbf{~ H z}$, Channel Separation 30 db , Output 80 mv Tracking force: 1 to 4 grams. Shpg. wt, 202.
21 R 34948 L

M 999 Elliptical Series - Empire premiere cartridges. All styll are hand polished bi-fadial. $15^{\circ}$ vertical tracking angle. For stereo or mono use. 4 coil system gives complete freedom from hum pick-up. Easily replaceable stylus assembiy. Specificatlons: Output 999E/X and $999 \mathrm{SE} / \mathrm{X}, 8 \mathrm{mv}$; $999 \mathrm{TE} / X, 6 \mathrm{mv}$; Channel separation 350 b ; Frequency Response: $999 E / K \quad 10.30,000 \quad \mathrm{~Hz}$; $999 \mathrm{SE} / \mathrm{X} \quad 8.32,000 \quad \mathrm{~Hz}$; $999 \mathrm{TE} / \mathrm{X} 6-36,000 \mathrm{~Hz}$. Tracking Force: $999 \mathrm{E} / \mathrm{X}-3 / 4$ to 2 grams, 999SE/X and 999TE/X $1 / 2$ to $11 / 2$ grams. Shpq. wt. 602.
21R34930L $999 \mathrm{E} / \mathrm{X}$ Elliptical
39.95

21 R 34922L $999 \mathrm{SE} / \mathrm{X}$ Elliptical 49.95
21 R34914L Elliptical 999 TE/X 64.95

# Tone Arms, Cartridges, Replacement Diamond Styli 

Exclusive
LAFAYETTE/PICKERING Phase 44 Elliptical Diamond Needle Stereo Magnetic Cartridge

$44^{95}$
No Money Down ${ }^{\text {e }}$

- Designed Especially

To Be Used In Derived 4. Channel Systems

The Lafayette/Pickering Phase 44 was especially de:igned to be used as the stereo cartridge in the derived 4 -channel stereo systems that use the Lafayette and oiner brand 4 channel adapters. The phase 44 cartridge will perform equally well when used in a conventional 2 -channel stereo system. The playback characteristics of the Phase 44 have been tailored to achieve the utmost In performance. Channel separation exceeds 35 ob. A special $.4 \times 9$ elliptical diamond stylus tracks at $11 / 4( \pm 1 / 2)$ grams. Frequency range is $10-25,000 \mathrm{~Hz}$. Nominal output 5.5 mv . The patented Dustamatic stylus will protect your records from dust and preserve their natural sound. Shpg. wt. 402.

21 R 01731 L
Net 44.95
Replacement Diamond Stylus for Phase 44
21 R01723L

AOC and GRADO Sterea Cartridges


220XE ELLIPTICAL STEREO CARTRIDGE, Channel separation: 20 db Response: $10-18,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Tracting force: $11 / 2$ to 4 gms . Elliptica! Dlamond Stylus. Output; 5 mv .
21 R 13306 L Shpg. wt., 6 oz.
Net 22.00
GRADO F SERIES STEREO CARTRIDGES. Frequency Response: 10 to 35.000 Hz Channel separalion: 25 db . Output: $4 \mathrm{mv} @ 3.54 \mathrm{CMV}$. Recommended Tracking Force: $11 / 2$ to $31 / 2$ grams. Shpg. wt., 4 oz .
 21 R41364L FTE $\quad .7 \times .3$ Elliptical 19.95

## Shure M232 Stereo Tone Arm

## $32^{75}$



Quality $12^{\prime \prime}$ tone arm that ACCEPTS MOST CARTRIDGES and permits them to operate at their maximum potential performance. Features precision bail bearings at all pivot joints, plug in head with positive alignment lack and variable theight adiustment. Positive visual control over balance without altering overall arm length. Tracking force $11 / 2$ to 6 grams . Comes with arm rest, mounting template, mounting hardware, Shpg, wt., 21/8 lbs. 21 R 62519L No Money Down*

Net 32.75 MODEL M23E Same as MOdel M232, but for $16^{*}$ Records in broadcast use. Shpg vth, $2 \mathrm{y} / \mathrm{l}$ lbs.
21 R 62527! No Money Down*
Net 35.00 Shure A23H E

Net 3.00

## 85 Replacement Diamont Styli for Stereo Hi-Fi Cartridges

- Wide Selection To Fit The Most Popular Seling Stereo Cartridges-Both Past: And Current
- For Pickering, Shure, Empire, Grado, ADC, Stanton, and GE - Manufacturer's Exact Replacement Styli

| Stock No. | MFR. | Type | STYIUS | For | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 R 53450L | Pich | D1500AME-2 | ELLIP | V15/AME-1. AME-2 | 20.95 |
| 21 R 534681 | Pick. | D1507AM. 2 | . 7 MIL | $\begin{aligned} & \text { V15/AM-1. } \\ & \text { AM-2 } \end{aligned}$ | 12.95 |
| 21 R 53476L | Pick. | D1507AT-2 | 7 MIL | $\begin{aligned} & \text { V1S/AT-1. } \\ & \text { V1S/AT. } 2 \end{aligned}$ | 11.50 |
| 21 R 53484 L | Pich. | DI507AC-2 | . 7 MIL | $\begin{aligned} & \text { V15/AC-1 } \\ & \text { V15/AC-2 } \end{aligned}$ | 10.50 |
| 21 R 53500L | Plck. | D1527 | 2.7 MIL | V15 Series | 12.95 |
| 21 R 53591L | Pich. | P/007.1 | . 7 MIL | P/AT-1 | 10.50 |
| 21 R 53609L | Pick. | P/D07-C | . 7 MIL | P/AC-1 | 9.90 |
| 21 R S3090L | Pick. | PDE | ELLIP | PATE-1 | 15.95 |
| 21 R 53021 L | Pick. | D3807at | . 7 MIL | U38AT | 12.95 |
| 21 R 53070L | Plck. | D3807A | .7 MIL | 380A | 13.95 |
| 21 R 53062L | Pick. | D3807C | . 7 MHL | 380C | 12.95 |
| 21 R 53534L | Pick. | D3810C | 1 MIL | U38AT. 330C | 12.50 |
| 21 R 53138L | Pick. | D3827C | 2.7 111L | U38AT. 380C | 13.50 |
| 21 R 53112L | Pick. | D9007 | . 7 MIL | MARK/II | 12.95 |
| 21 R 536331 | Pick. | D1500ATE-2 | ELLIP | V15/ATE-? | 10.95 |
| 21 R 53641 L | Plck. | O1500AME-3 | ELLIP | VI5/AME-3 | 26.25 |
| 21 R 53658 L | Pich. | D1500ATE-3 | ELLIP | VIS/ATE-3 | 23.65 |
| 21 R 53674L | Pick. | D1507AT-3 | 7 MIL | V15/AT-3 | 14.50 |
| 21 R 53815L | Pick. | D400 | ELLIP | XV.15/400E | 28.50 |
| 21 R 53823L | Pick, | D200 | ELLIP | XV-15/200E | 26.25 |
| 21 R 53007L | Pick. | D100 | ELLIP | XV-15/100 | 14.70 |
| 21 R 53690L | Pich. | D1527-3 | 2.7 MIL | V15-3 Series | 15.25 |
| 21 R 53831 L | Tick. | 01507AC-3 | . 7 MIL | V15AC-3 | 12.50 |
| 21 R 53849 L | Pick. | D1500ACE-3 | ELLIP | visace-3 | 21.50 |
| 21 R 53872L | Plick. | 0750 | ELLIP | XV-15/750 | 31.50 |
| 21 R 53914L | Pick. | DIV-AME | ELLIP | Phase IV/AME | 28.95 |
| 21 R 53948L | Pick. | DIV-ATE | ELLJP | Phase IV/ATE | 23.65 |
| 21 R 53955L | Pick. | div-ace | ELLIP | Phase IV/ace | 20.50 |
| 21 R 34047L | Empire | S880P-6RD | 6 MIL | 880P | 12.95 |
| 21 R 3440tL | Empire | S888PE-ERD | ELLIP | 888PE | 20.95 |
| 21 R 34419 L | Empire | S888P-6RD | . 6 MIL , | 888P | 14.95 |


| Stock No. | MFR. | Type | STYLUS | Fer | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 R 34971L | Empire | S999TE/X-ERD | ELIIP | 9997E/X | 32.95 |
| 21 R 34963L | Empire | .S999SE/X-ERD | ELLIP | 9995E/X | 24.95 |
| 21 R 34492L | Empire | 5999E/X-ERD | ELLIP | 999E/X | 19.95 |
| 21 R 34484L | Empire | S909E/X.ERD | ELLIP | 909E/X | 14.95 |
| 21 R 34476 L | Emplie | S90E/X.ERD | ELLIP | SOEE/X | 13.95 |
| 21 R 3445CL | Empire | S888-7RD | . 7 MIL | 888. | 12.95 |
| 21 R 34617L | Emplire | S888E•ERD | ELLIP | 888E | 16.95 |
| 21 R 34625L | Empire | S888SE-ERD | TLLIP | 888SE | 22.95 |
| 21 R 34724L | Empire | S999VE-ERD | rLIP | 999VE | 36.95 |
| 21 R 34732L | Empire | SEB8TE ERD | CLLIP | 888TE | 24.95 |
| 21 R 34823 L | Emoire | S888VE-ERD | CLIIP | g8ave | 29.95 |
| 21 R 62022L | Shure | N3D | . 7 MIL | M30, M70 | 7.85 |
| 21 R 62071L | Shure | N210 | . 7 MIL | M70. M3D | 11.00 |
| 21 R 62170 L | Shure | N44-5 | . 5 MIL | M44.5 | 11.00 |
| 21 R 621日日 | Shure | N44.7 | . 7 MIL | M44.7 | 9.75 |
| 21 R 62543L | Shure | VN15E | Cllip | V15. V15/II | 27.00 |
| 21 R 62246L | Shure | N55E | CLLIP | M80, M55 | 14.95 |
| 21 R 62253L | Shure | N99 | 7 MIL | M99 | 15.00 |
| 21 R 6237R | Shure | N44E | ILLIP | M54E | 12.50 |
| 21 R 62402. | Shure | N32E | TLIP | M32E | 14.50 |
| 21 R 6247\% | Shure | N91E | ELLIP | M91E | 24.50 |
| 21 R 624694 | Shure | N93E | ELIP | M93E | 19.50 |
| 21 R 13108L | ADC | R-4E | ELLIP | P/4-E | 18.00 |
| 21 R 13124L | ADC | R.770 | . 7 MIL | 770 | 9.00 |
| 21 R 13157L | ADC | R-6E | ELLIP | 660/E | 15.00 |
| 21 R 13207 L | ADC | R-12E | ELLIP | 10E/II. 10/E | 22.50 |
| 21 R 13280 L | ADC | R-9E | ELLIP | 220E, 990E | 12.00 |
| 21 R 133301 | ADC | R20X/E | ELLIP | 220x/E | 10.00 |
| 21 R 30048L | GE | DR-7D | . 7 MHL | V1000-7 | 8. 40 |
| 21 R 38063L | GE | VR222 | . 7 MIL | VR-22 | 5.00 |
| 21 R 385011 | GE | DR 3D | ELLIP | VR-10003 | 16.00 |
| 21 R 413721 | Grado | FTR/S | 6 MIL | SPHERICAL | 7.50 |
| 21 R 41360 L | Grado | FTE/S .7x. | r.3 MIL | ELLIP. | 12.50 |
| 21 R 240141 | Stanton | D6800EE | ELLIP | 681EE | 36.00 |

[^4]
## Deluxe Garrard/Turntables Featuring...

# Inver Saining Combiniations Sale tipto.9.95, From Individual Catalog Prices <br> When you purchase your choice of Below Elliptical Cartridge with a Garrard Turntable Listed on Page 84 or 85 

(See Page 82 and 83 For Description of cartridges)


Lafayette/Pickering Phase 44 44.95


Pichering Phase IV/ATE
39.95
 39.95


Phase Pickering
hase iv/ace
29.95

SL95B 3 Speed Advanced AUTOMATIC TRANSCRIPTION TURNTABLE with choie of thlipitad

## $139^{50}$

less cartridge, less base
$139^{51}$
choice of deluxe elliptical cartridge. tess base

## $144^{50}$

Plus Lafayette/Picker-
Ing Phase 44 Cart-
pide. Less base


Built-in calibrated stylus pressure gauge permits accurate audible/visible click settings in $1 / 4 \mathrm{gram}$ increments. Viewing window in tonearm for easy reading.

No Money Down*


Tonearm floats virtually friction-free within a gyroscopically gimballed mounting on jewel-like needle pivots for lightest possible tracking.

[^5]

MODEL SL55B 3-SPEED SYNCHRO-LAB AUTOMATIC TURNTABLE with Choice of Elliptical Stereo Cartridges


Plays 331/5, 85, and 78 RPM Records. Light weight, tubular aluminum tonearm with fixed-position damped counterweight and slide-in cartridge clip. Built in stylus force adjustment and optical scale. Viscous damped, single-tever cueing. Fully adjustable antiskating. Oversized turntable with all connecting cables. For $110-$ 130 V 60 Hz AC. Size: 1479 "W×121/2" $\mathrm{L}_{\text {; }}$ above motor board $43 / \mathrm{a}^{\prime \prime}$, below $27 / \mathrm{s}^{\prime \prime}$. Imported. Wt., $91 / 2 \mathrm{lbs}$. less base.
21 R 4048 íw SL558 only. $\qquad$
21 R 90486WM SLS5B Plus Pickering Phase IV/ACENet 59.50 21 R 40614 WM SL558 and Shure M55E $\qquad$ Net 59.51
21 R 90494 WM SL558 Plus Pickering Phase IV/ATE .... Net 64.50
21 R 40945WM SL55B plus Shure M93E $\qquad$
21 R 90502 WM SL55B Plus Lat/Pickering Phase 44
...... Net 64.50

MODEL SL65B 3-SPEED SYNCHRO-LAB AUTOMATIC TURNTABLE
with Choice of Elliptical Stereo Cartridges

7450 less | cartifide |
| :---: |
| and base |\(\substack{Money.Saving SL65B/Cartridge <br>

Combinations-See Below Listings}\)


Plays 3 Speedśs 331/2 45, and 78 RPM. Features: Synchro-lab Motor, large turntable of heavy aluminum, low-mass tubular aluminum coneafm dynamically balanced with adjustable counterweight, adjustable anti-skating control, viscous damped, single lever cueing. Precision stylus pressure gauge with optical scale. Connecting cables. For 110-130V, 60 Hz . AC. Size: $15{ }^{\prime} \mathrm{W} \times 131 / \mathrm{s}^{\prime \prime} \mathrm{L}$; above motor board $43 / 4^{\prime \prime}$, delow $3^{\prime \prime}$. Inported. Wt., $101 / 4$ lbs. less base. 21 R 40473W SL65B only. $\qquad$ Net 74.50 21 R 90535 Wm St658 Plus Pickering Phase IV/ACE....... Net 74.51 21 R 40655WM SL658 Plus Shure M5SE ....................... Net 74.51 21 R 90544 WM SL658 Plus Pickering Phase IV/ATE ....... Net 79.50 21 R 90551 WM $\$ 165 B$ Plus Laf/Pickeving Phase $44 \ldots . . .$. . Net 84.00


Plays $331 / 3,45$, and 78 RPM Records. Synchro-Lab Motor for perfectly constant speed, unwavering musical plich. Record plathorm for safe, lonearm of advanced design floats on needle pivots within a gyroscopicatly gimbalfed mounting for flawless tracking. Fully adjustabte counterweight. Silde-in cartridge clip. Patented, permanently accurate sldding weight antl-skating control. Callbrated stylus pressure gauge with visible scale. Damped see-down of tonearm in manual and automatic play. Single control viscous damped cueling. Simplified finger-tip tab operating controls. Full size turntable. Two Interchangeable spindies. Alt connecting cables. For $110-130 \mathrm{~V} 60 \mathrm{~Hz}$. AC. Dimensions: 15K."Wx14K. 'l; ahove motorboard 43", below $\mathbf{2 K}^{\circ} \mathrm{Ko}_{0}^{\prime \prime}$. Im. ported. Shpg. wt., 11 los, Less base.

Gyroscopically gimbälied tonearm mounting, plus needle-pivots assure fric21 R 90510WM SL728 only............... Net 99.50 tion-free tonearm move. 21 R 40960wm SL728 plus Shure M93E... .... ......... Net 99.51 21 R 90526 WM 54728 plus Laf/Pickering Phase 44 . Net 104.50 horizontally... and light
tracking.
-See Page 22 for Full Credit Details on E゙esy Pay Plan

REVOLUTIONIZES THE AUTOMATIC TURNTABLE WITH THE NEW

## THE NAME STANDS FOR ZERO TRACKING ERROR UP TO 160 TIMES LESS THAN WITH ANY conventional TONE ARM

## 18950

Irue. Tangent Tracking Geometry. The Stylus is Perpendicularly Tangent to the
Groove Throughout the fecord


## Another Lafayette Exclusive!

Buy the Deluxe Lafayette/Pickering Phase 44 Elliptical Diamond Needle Cartridge for Only with the

## Purchase of the

 ZERO 100
## SAVE 44.95

## From Indlvidual Catalog Prices

 PHASE 44 CARTRIDGE $189^{51}$

The Lafayette/Plckering Phase 44 was deslgned to extract the maximum in 4 -dimenslonal sound from records (both 2 channel and specially cut 4 channel) and to provide a high level of performance for conventional 2 channel reproduction (see page 83 for description of the Lafayette/Pickering Phase 44).
Zero 100 Plus Lafayette/Pickering Phase 44. Shpg. wt., $151 / 4$ Ibs. 21 R 90726 WXM No Money Down* ...................................Net 109.51

| Magnetic Antl-Skating Contral | Slide Weight for Setting styius Force |
| :---: | :---: |
| Illuminated Strobescope | Patented Synchro <br> Lab Motor |
| $15^{\circ}$ Vertical Tracking Adjustrnent | Exelusive garrard Two-Point 角ecord Support |
| cartride oyerbang Adjustment | Variable <br> Speed Control <br> $\pm 31 / 2 @ 331 / 2$ R.PM <br> $\pm 21 / 2 @ 45 \mathrm{RPM}$ |



The brilitant 2ERO 100 meets the demands placed on the automatic turntable for higher performance-standards in today's sophisticated high fidellty market. Heart of the ZERO 100 "super changer" is a revolutionary new tone arm engineered to provide zero tracking error for preserving the record grooves and obtaining the finest sound reproduction. The arm is designed so that the cartridge housing is pivoted directly above the stylus tip, resulting in the stylus itself always being perpendicularly tangent to the groove. Other fine features are $15 \%$ vertical tracking adjustment, cartridge overhang adjustment, magnetic antl-skating control, Interchangeable splndies, long spindle accommodates a stack of six records, short one for single play. Kinetically matched turntable. Separate control tabs for auto, manual, and cueing/pausing. 2 speeds, $331 / 3$, and 45 rpm. Satin aluminum finish with sparkiling white unit plate. Size: $15 \%$ " $W$ $\times 141 / 8^{\circ " D}$. Above motor board $43 \mathrm{~s}^{\prime \prime}$, below motor board $2^{11} \mathrm{~K}_{0}^{\prime \prime}$. For 100-130 volts, 60 cycle AC. Imported from England. Shpg. wt., 15 lbs 21 R 40994 wx No Money Down* ...................................Net 189.50


## Automatic Turntables and Manual Record Players

## MODEL 40B <br> 3 SPEED AUTOMATIC TURNTABLE

Plays $331 / 3.45$, and 78 rpm records. Full viscous damped, single lever cuelng. Low mass, tubular aluminum tonearm with fired isolated counter-welght. Slide-in cartridge clip assures positive cartridge alignment. Easy to adjust stylus pres sure controi and visible scale. Swingaway overarm moves to the rear, out of the way for manuat play. Two interchangeable spindies. Oversize turntable with handsome safety mat. Slze:
 below motor board. With all connecting cables. Less base. For $110-130$-VAC, 60 Mz . Imported. Shpg, wt., $94 / 2$ lbs.
21 R 40499w Model 40 B only Net 44.50
Model 40B and Pickering PAT/E-1 Eiliptical Cartridge, Shpg, wt., $93 / 4 \mathrm{lbs}$. 21 R 40556WM 21 R 40556 WM Shure M44E Eillotical Cartridge. Shpg. Wt., $93 / 4$ tbs.
21 R 40564 WM
Net 44.51 Model 408 and Empire goEE/X Eiliptical Cartridge. Shpg. wt., 91/2 lbs. 21 R 40861wM

Net 44.51 Model 408 and Pickerling Phase IV/ACE EIliptical Cartridge. Shpg. wt., gy lbs. 21 R 30585WM

Net 49.50 Model 408 and Shure SSE Elliptical Cartridge. Shpg. wt., $9 \frac{1 / 4}{}$ lDs. 21 Re, 40598 FM . 21 R 40596 WM Ne....... Net 49.50
Model 408 and Emplre $909 \mathrm{E} / \mathrm{X}$ Elliptical Cartridge. Shpg. wt., $98 / 2$ lbs. 21 R 40879WM

Net 49.50 Model 408 and Lafayette/Pictering Phase 44 Elliptical Cartridge. Shpg. WL. $93 / 4$ lbs.


## MODEL SP20B 4 SPEED MANUAL RECORD PLAYER With Choice of Stereo Elliptical Cartridge

##  <br> $42^{50}$ <br> With <br> Pickering PAT/E-1 <br> Elifptical Cartriage Less Base



Lafayette/Pickertng
Phase 44 Elliptical
Cartriadge, less dase
A compact. efficient manual player with high fidelity features. Low. mass tubular aluminum arm with fixed counter-weigat, isloated in a resillent housing to effectively damp out tonearm resonances. Fully adustable stylus pressure control with opticat scale, Slide-in cartridge cilp accommodates all the latest cartridges and assures pos'live alignment. Automatic return of tonearm after record has played. Full-size turntable. Supersensitive trip. Size: $14 \% \mathrm{~W} \times 124 \mathrm{LLx}$ $31 / 3^{\prime \prime} \mathrm{H}$ above and $244^{\circ \prime \prime}$ below motor board. Imported Less base. For $110-130 \mathrm{~V} 60 \mathrm{~Hz}$ AC, Shpg. wt. 9 lbs.
21 R 40507w SP20B only No Money Down *............ Net 37.50 SP208 plus Pickering PAT/E-1 Elliptical Cartridge. Shag. wt.. 9y/4 lbs. 21 R $40853 W M$ No Money Down* SP20B Plus Lafayette/Pickering Phase 44 Elliptical Cartridge. Shpg. wt., $91 / \mathrm{lbs}$.
21 R 90601 WM No Money Down *
Net 52.50

MODEL 304 SPEED AUTOMATIC TURNTABLE


Garfard 4-speed automatic stereo turntable designed especialiy for use in low priced hi-fi systems, and perfect for replacement in consoles and phonographs. Features oversized, welghted turntabte, one piece cast aluminum tone arm, ultra compact size. Plays $162 / 3,331 / 3$, 45 and 78 RPM records. In termix automatic operation when desired. Two spindles-short for manual, center drop for automatic play. with ceramic cartridge. diamond stylus. All connecting cables. Oim.: $141 / 4 \times 12 \frac{1 / 4 "}{}{ }^{\prime \prime}$, above motor board $4 \frac{x^{\prime \prime}}{}$, below $21 / 4^{\prime \prime}$. For $110-130$ VAC, 60 Hz . Less base. Imported, Shpg. Wi., $94 / 4 \mathrm{lbs}$.
21 R 37925 W No Money Down.
Net 39.50
24 R 30239 Replacement Cartridge 3 oz
Net 6.90 24 R 03315 Replacement Diamand Needle 3 oz . . Net 2.49

Module XII Garrard 4-Speed Automatic "Demi" Changer with Pre-Installed Stereo Ceramic Diamond Needle Cartridge, Base \& Dust Cover

Miniature automatic record changer. Small enough to fit on a bedside table or a small shelf. Can play up to 8 records in automatic play ... 4 Speeds: $162 / 3,331 / 3,45,78 \mathrm{rpm}$. Tubular aluminum tonearm precisely balanced for correct tracking. Automatic shut-off after last record has played. With all hookup leads. Size: $131 / 4^{\prime \prime} L \times 1 \sigma^{\prime} W \times 63,4^{" N}$. Imported. For 110.130 VAC 60 Hz .

21 R 40523W Shpg. wt., $81 / 4 \mathrm{lbs}$.
Net 39.95 No Money Down*

## Module X10 Precision Automatic Turntable with

 Pre-Installed Stereo Ceramic Diamond Needle Cartridge, Base \& Dust Cover.Features ultra-low-mass rubular aluminum tonearm. large oversize turntable. Single lever control for convenient cueing and pausing. Simplified speed/ size controls. Plays $7^{\prime \prime}, 10^{\prime \prime}, 12^{\prime \prime}$ records at $331 / 3$ 45 or 78 rpm . For 110.130 VAC, 60 Hz . Size (on base): $15^{\prime \prime} \mathrm{W} \times 131 / 4^{\prime \prime} \mathrm{D} \times 73 / 4 / \mathrm{H}$. Imported. With all connecting cables. Shpg. wt., 15 lbs . 21 ๆ 40846 W

Net 52.50


Complete No Money Down*

## Module SLX-2 Synchronous 3-Speed Automatic

 Turntable with Pre-Installed Stereo Magnetic Diamond Needle Cartridge, Base \& Dust Cover Synchro-labo motor for constant synchronous speed, dynamically balanced tone arm with ball bearlng pivots, cueing and pause control, adjustable stylus pressure gauge built into tone arm-adjustable from 0 to 5 grams. Plays $331 / 3,45$, or 78 rpm records ( $12^{\prime \prime \prime}$, $10^{\prime \prime}$, or $7^{\prime \prime}$ ). For $110-130$ VAC 60 Hz . Dim. (on base): $15 \mathrm{Wx} 131 / 4 \mathrm{Dr} 73 / 4 \mathrm{H}$. With all connecting cables, 1 m ported. $\operatorname{Shpg}$, wt., 16 lbs .21 R 40432W
Net 69.50
$69^{50}$
Complete
No Money
Down

Module SLX-3 Synchronously Powered 3-Speed Automatic Turntable with Pre-Installed Magnetic Elliptical Cartridge, Base \& Dust Cover
Synchro-lab* motor guarantees perfectly constant record speed. . unwavering musical pitch. Exclusive two-point record support at center and edge during automatic play. Stylus force adjustment with window scale. Ultra-low-mass tubular aluminum tone. arm. Permanently accurate sliding weight anti.skating control. Fully damped, single controf cueing. Viscous damped fonearm. Finger-fip controls, Over. size turntable, With all audio cables. Size (includes base and cover): $15 \mathrm{~K}^{\prime \prime} \mathrm{W} \times 141 / \mathrm{sDx8}{ }^{\prime \prime \mathrm{H}}$. For $110-130 \mathrm{~V}$ AC. 60 Hz . Imported Shpg. wt., 18 lbs. 21 R 40515 W
$99^{50}$ Complete No Money Down*

ACCESSORIES FOR. GARRARD AUTOMATIC TURNTABLES


88 Lafayette Cat. No. 720


## Professional Automatici Stereo Turntables by

## YOUR CHOICE OF ELLIPTICAL STEREO CARTRIDGE



With Purchase of A Dual Turntable

For Only $5_{\text {more }}^{00}$
With Purchase of A Dual Turntable


## Dual 1219 Professional Automatic Turntable With Choice of Stereo Elliptical Cartridge

Dual's finest automatic stereo turntable combines unrestricted flexibility of operation with complete professional quality. Three speeds: 331/3, 45, and 78 RPM. Fully automatic and manual operation. Two spindles: Multiple play-holds up to 6 records, and rotating single play. Mode selector lowers tone arm base to provide perfect $15^{\circ}$ stylus tracking (zero degree vertical tracking error) when set for single play, and raises the tonearm base for multiple play. True fourpoint gyroscopic gimbal suspension for virtually friction-free tonearm movement. Separate antiskating for conical and elliptical styli. Adjustable stylus overtang. Full $12^{\circ}{ }^{\circ}$ diameter furntable with dynamically balanced 7 ib . platter. Synchronous/continuous pole motor com. blnes high torque with absolute speed accuracy regardless of line voltage. Cue control system is damped to prevent bounce. Counter balance is elastically damped and has 0.01 gm , click stops for precision balancing. Pitch control for "tuning" recards over a $6 \%$ range. $110 / 220$ VAC 60 Hz . Size: $1413 / 2 \times 12^{1 / 2 W}, 6^{\prime \prime}$ ahove and $3^{\prime \prime}$ clearance below rotor board. imported. Shpg. wt., $182 / 2 \mathrm{lbs}$.

## 21 R 65827w 1219 Less Cartridge

21 R $90619 W \times \mathrm{M} 1219$ Plus Pick. Phase IV/ATE
21 R 68011 WXM 1219 Plus Shure M93
21 R 90627 wxM 1219 Plus Laf/Pick. Phase 44
Net 175.00

NEW DUAL 1218 Automatic Turntable with Choice of Stereo Elliptical Cartridge

Deluxe 3-speed automatic stereo turntable with Synchronous/hitorque motor, Major features Include: Twin-ring tone-arm gimbai suspension; one piece non-ferrous cast turntable platter; pitch control ( $6 \%$ variatlon); cue-control; conical/elliptical anti-skating control; damped click-stop counterbalance; and Mode Selector - provides $15^{\circ}$ vertical tracking in single-play mode and at center of stack In Multiple-play mode, simple, fool-proof setting made within cartridge holder. Multiple-play spindle holds up to 6 records. Other features include: Adjustable stylus overhang, direct-dial stylus force 3 speeds: $331 / 3.45$ and 78 RPM. Dimensions $13^{\prime \prime \prime} \times 10^{3 / 4^{\prime \prime}}-6^{\prime \prime}$ above and $3^{\prime \prime}$ clearance below mounting board. Imported. For $\$ 10 / 120$ VAC. 60 Mz . Shpg. wt., 15 lbs .

$$
21 \text { R } 68128 \text { wx No Money Down* }
$$

21 R 90635 WXM 1218 Plus Pick. Phase IV/ATE 21 R 90643 WXM 1218 Plus Shure M93 21 R 90650 Wx解 1218 Plus Laf/Pick. Phase 44

Net 139.50 Net 139.51 Net 139.51 Net 144.50

## Dual 1215 Automatic Turntable

 With Choice of Stereo Elliptical CartridgeQualify 3 -speed stereo turntable with new improved, low mass counterbalanced tonearm. Tracks 11 wiessly as low as 1 gm . Features direct dial tracking force, synchronized anti-shating, pitch control for all three speeds: $331 / 3,45$, and 78 APM, silicone damped cue control, and adjustable stylus overhang. Multiple play spindle holds up $10^{\prime} 6$ records. Size: $12 \geqslant / 4 \times 10^{1 / 2^{\prime \prime}}, 6^{\prime \prime}$ above and $3^{\prime \prime}$ clearance below mounting board. $110 / 120 \mathrm{VaC}, 60 \mathrm{~Hz}$. Shpg. Wt., 12 los . 21 R 68003 W 1215 Less Cartridge Net 99.50 21 r 9066 B wX 1215 Plus Pick. Phase IV/ATE ...........Net 99.51 21 R 68086 WM 1215 Plus Shure M93E ......... Net 99.51 21 R 90676 Wm 1215 Plus Lat/Pick. Phase 44 Net 104.50 ACCESSORIES FOR DUAL TURNTABLES

| Stock No. | $\begin{aligned} & \text { MIE. } \\ & \mathrm{No} . \end{aligned}$ | Destriptiom | For | Shpe. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 R 65835w | W812 | Watnut Base | 1215. 1218 | 4 lbs. | 10.95 |
| 21 R 66007w | WB19 | Walmut Base | 1219 | 4 lbs. | 14.95 |
| 21 R 65843 W | DC2 | Oust Cover | WB12 Base | 2 fbs. | 10.95 |
| 21 R 66015W | DC9 | Dust Cover | WB19 Base | 2 ibs. | 12.95 |
| 21 R 65868 | CH12 | Cart. Holder | 1215, 1219 | 3 oz . | 3.95 |
| 21 R 61110 | CH22 | $15^{\circ} \mathrm{Cart}$. Molder | 1218 | 9 oz . | 8.95 |
| 21 ¢ 65850 | AS12 | 45 Spindle | $\begin{aligned} & 1215 . \\ & 1219 \end{aligned}$ | 402. | 5.95 |



## MODEL 1215

Less Cartiridge


Less Base No Money Down*

| MOOEL 1215 | MOOEL 1215 |
| :---: | :---: |
| With Chaice of Pichering Phase IV/ATE or Shure M93 | with Lafayelte/Pickering Phase 44 Ellip. Cart. |
| $1051 \text { Less }$ | $10450 \begin{gathered}\text { Less } \\ \text { Base }\end{gathered}$ |

[^6]
# AR and Miracord Stereo Turntables 

## AR. Model XA Two-Speed Manual Stereo Turntable

## Save $29^{25}$

From Individual Catalog Prices When you purchase on AR Turntable with the Deluxe Lafayetfe/Pickering Phase 44 Elliptical Stereo Cartridge
(See Page 83 for Description of the Phase 44)


## Lafayette/Pickerlng

 Phase 44 EllipticalCartridge


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 includes cables, overhang adjustment device and needle force gauge. Size with cover- $123 / 4 \times 163 / 4 \times 51 / 4^{\prime \prime}$. Shpg. wt., 18 lbs.
21 R 72013 W XA less cartridge. No Money Down *
XA Turntable and Lafayette/ Pickering Phase 44
21 R 90700 WM Shpg. Wt., $181 / 2$ lbs. Model XA/UNIVERSAL TURNTABLE-Same deluxe features as above but can be used anywhere In the world. For 110 or 220 valts, 50 or 60 Hz operation. Shpg. wt., $171 / 2 \mathrm{lbs}$. 21 R 72617W XA/U less cartridge
XA/U Turntable and Lafayette/Pickering Phase 44
21 R 90718WM Shpg. wh. 181/2 lbs.
Extra cartildge shell for AR turntables. Wt., 3 oz. 21 R 72575

Benjamin Miracord 50H 4 -speed Automatic Stereo Turntable

$175^{\circ}$
Less Cartridge Less Base


Lafayette/Pickering Phase 44 Elliptical Cartridge, less Dase

## , $=$

Latayette/ Plckering Thase 44 Elliplical Certidge. $44^{5}$

## SAVE 39.95 <br> when you buy a Lafayette/Plckering Phase 44 Elilptical Cartrlage with the 50H.

Superb, 4 -speed automatic turntable: $162 / 3,33 \frac{1}{3}, 45$, and 78 RPMPushbutton controls: stop/reject, $7^{\prime \prime}, 10^{\prime \prime}, 12^{\prime \prime}$. Papst hysteresis motor. Dynamically balanced tone arm with vernier counterweight permits tracking to below 1 gram. Precise Cueing device. Built-in anti-skating compensation. Stylus overtang adjustment. Heavy 12" dynamically balanced furntable. Size $141 / 2 \mathrm{~W} \times 121 / 2^{\prime \prime} \mathrm{D}$; requires $55 / \mathrm{s}^{\prime \prime}$ above plate/ $37 / /^{\prime \prime}$ below. 110 V 60 cycle AC. Imperted. Less base. Shpg. wt. 18 lbs.
21 R 16358 BX 50 H Less Cartridge Model 50 H olus Lafayette/Pickering Phase 44 21 R 90692 WXM Shog. wt., $241 / 2$ lbs.

Net 175.00
Net 180.00

## Accessories for 50H

21 R 16580 W W8700 Wainut wood base. Wt. 5 Ibs $15 . . . .00$ 21 R 16598 W DCP- 7 Dust cover. Wt., 2 los.

Net 87.00
Net 102.00
Net 2.00

Turntable Comes Complete With Tone Arm, Walnut Wood Base And Plastic Dust Cover


## $225^{00}$

Less Cartridge and Base
$225^{01}$ Lafayette/Pickering Phase 44 EIHptical cartridge, Less Base


Lafayette/Pictering Phase 44 Elliptical cartriage. 44m

## SAVE 44.95 <br> When You Buy a Lafayette/Pickering Phase 44 Elliptical Cartridge with the 770H.

Miracord finest stereo Automatic Turntable. Pushbutton operation. Exclusive features: Built-in llluminated sirobe, Digital stroboscopic read out of $334 / 3$ and 45 RPM speeds, fonic elapsedtime stylus wear timer. Variable speed - plus or minus 3\%. Papst hysteresis motor, precision cueing, anti-skating, dynamically balanced tone arm. Gold anodized trim. For 78, 45, 33, and 16 RPM records. Size: $141 / 2 \mathrm{~W} \times 121 / 2^{" D}$, requires $5^{5} / 4{ }^{\prime \prime}$ above, $33 / 4{ }^{\prime \prime}$ below. 110 V 60 cycles AC . Imported Less base. Shpg. wt., 18 lbs .

Net 225.00
Model 770H plus Lafayette/Pickering Phase 44 21 R 90684 WX ㅇ․ Shpg. wt., $241 / 2$ Jbs.

Net 225.01

## Accessories for 770H

21 R 16580 W W8700 Walnut wood base. Wt. 5 Ibs....... 15.00 21 R 16598 WCP-7 Dust cover. Wt., 2 lbs.

[^7]
## Quality LAFAYETTE Record Changers at Popular Prices Deluxe LAFAYETTE AC50B 4-Speed Automatic Pushbutton Stereo Record Changer

- 4 Speeds: $16,331 / 3,45,78$ RPM
- Pushbutton Operation for Automatic Play, Manuał Play, Stop
- Automatic Shut-Off After Last Record

A superb, 4 -speed automatic record changer with professional single lever cueling. Handsomely styled and engineered to provide the highest standard of performance and dependability. Ideal for playing both stereo and monaural $12^{\prime \prime}, 10^{\prime \prime}$, and $7^{\prime \prime \prime}$ records. Can play up to 7 records automatically. Intermbes records of the same speed. Shuts off after last record has been played. Features oversized turntable with ribbed record mat; one-piece low mass cast aluminum tone arm; 4 -position speed selector slide switch; iwo spindles: one for manual play and a center drop for automatic play. All controls are always periectly accessible even with $12^{\prime \prime}$ records on the turntable. Heavy duty, constant speed motor. Ceramic stereo turn over cartridge with dlamond LP needle. Mainplate has beautiful leather-like finish with black rubber turntable mat and chrome trim. For $117 \mathrm{VAC}, 60 \mathrm{Mz}$. Size $132 / 4 \mathrm{~W} \times 11^{\circ} \mathrm{D}$. Requires 3\%* above and $3^{\circ}$ below motor board. Imported. Shpg. wt., 7 los.
21 R 01699w
Net 29.95

## ACCESSORIES FOR MODEL AC50B

Walnut Wood Base. Shpg, wt., 2V/4 Ibs.
21 R 01657W Net 4.95
Plastic Dust Cover. Shpg, wt., $11 / 2$ lbs.
24 R 09043W Net 4.50 45 RPM Spindie. Shpg. wt., 4 ox.
21 R 01673 . Net 1.95 Replacement stereo Cart. Wt., 3 or. 21 R 01665 ......................... 4.95


## NFW LAFAYETTE "Mini" 4 -Speed Automatic Stereo Record Changer Ensemble



Model MC228 Features:

- Perfect Companion For Shelf Component Systems
- Automatic or Manual Play at $16,331 / 3$, 45, 78 RPM
- Intermixes $10^{\circ \prime}$ and $12^{\circ}$ Records of The Same Speed
- Automatic Shut-off After Last Record


A versatile, dependable 4 -speed automatic stereo reco.d changer premounted on a simulated Brach leather base with walnut vinyl trim-sompletely ready to plug into your audio equipment. Especially suited for bookshelf width component systems and compact equipment Installations. Features low-mass tone arm, high quality ceramic turnover stereo cartridge with diamond LP needle. detachable spindle, vibration-free dynamlcally batanced 2-pole motor. Handles stack of 6-records automatically or can be operated as a mancal player. Also Includes tinted plastic dust cover, UL IIsted AC cord, and all audio cables. Size includes Base $143, \mathrm{H}$ x $5 \times 10^{\circ}$. Shpg. wt., 10 lbs. For 110.130 volts $\mathrm{AC}, 60 \mathrm{~Hz}$. Made in England.
21 R 03772w No Money Down* Net 34.95 ACCESSORIES FOR MOOEL MC-228 Replacement Diamond LP Needie. Wt., 3 or. 24 R 0238.

Net 2.79 45 RPM Spindle. Wt. 3 oz.
24 R 02568
Net 1.49

# Lafayette Audio Cables and Adapters 

High quality extension cables "tailor made" for users of re. corders, hiti equipmem, 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. Imported. Avg. shpg. whod 5 oz.

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PIN TYPE PHONO PLUG (8I TO various connections. All Cables
shielded. Imported. Avg. Shpg. wt., 5 oz.
Stock No. One Yermination

| Stock No. | One Termi |
| :---: | :---: |
| 99 R 00648 | pin plug (B) |
| 99 R 00500 | Din plug (B) |
| 99 900598 | pin plug ( B$)$ | 999 00655 pin plug ( B )

99 R 00614 pin plug (B) 99 R 00846 pin plug (B) 99 R 00853 pin plug ( $B$ ) 99 R 00861 pin plug (B) 99 R 00879 pin plug ( $B$ ) 99 R 00887 pin plug ( $B$ ) 99 R 01125 pin plug (B) Cable
$120 \mathrm{in} .90^{\circ}$ pin plug $(\mathrm{E}) \quad 1.10$
Co PHONE PIUG (A) 10 VAhiOUS CONMECTIONS. Std. $1 / 4^{\prime \prime}$ sleeve; completely shielded. All cables shielded. Imported.
$99 \mathrm{R} 0067190^{\circ}$ phoné plug (A) 72 in . Pin plug ( B )

$99 \mathrm{R} 0072190^{\circ}$ phone plug (A) 72 in 900 in (B)
$90^{\circ}$ PIN PLUG (E) TO VARIOUS CONNECTIONS. All cables shlelded Imported.

| $99 \text { R } 01028$ | $90^{\circ} \mathrm{pin}$ plug (E) |  |  |
| :---: | :---: | :---: | :---: |
| $99 \text { R } 01067$ | $90^{\circ}$ pin plug (E) | $120 \mathrm{in}, 90^{\circ} \mathrm{pin}$ |  |
| 99801109 | $90^{\circ}$ pln plug (E) | 120 in. Phono Jack (D) |  |
| PHONE PIU completely | (G) Te various <br> hielded. All cable | CONNECTIOMS. Std. $1 / 4^{\prime \prime}$ di shielded. Imported. | , |
| $\begin{array}{r} 99 R 00530 \\ 99800754 \\ \hline \end{array}$ | Phone plug ( C ) <br> Phone plug (G) | 72 in. Phone jach (C) | 1.23 |

## minature phone plut (L) to various teqminations

Shielded audio cables with molded miniature phone plug ( $1 / /^{\prime \prime}$ diameter finger). For use with Sony. Concord, and most Japanese tape recorders and radios. Cables are $69^{\circ \prime}$ long. Imported. Shpg. wt., 6 oz. 99 minj phone plug (L) 69 in . stripped $\&$ tinned ends (J) .69 99 R 10381 mini phone plug (L) 69 in. alligator clips (I) mini phone plug (L) 69 in . pin plug (B) mini phone plug (L) 69 in . phono jack (D) mini phone plug (L) 69 in . phone plug (G) 99 R 10423 mini phone plug (L) 69 in . mini phone plug (L) 99 R 10431 mini phone plug (L) 69 in . mini phone jack (M)
(P) Phono plug coupler, accepts phono plug at each eno. 32 R 52012 Shpg. wt., 3 oz . output.
99 R 63455 Shpg. wt. 3 oz.
(W) 2 -conductor mini-iack ( $1 / 8^{\prime \prime}$ dia. sleeve) input to standard 2 -conductor phone plug output.

## 99 R 63463 Shpg. wt., 3 oz,

(x) 2-conduct or subminiature lack ( $\boldsymbol{z}_{2}{ }^{\text {a }}$ dia. sleeve) input to mini-plug ( $1 / 90^{\prime \prime}$ dia, finger) output.
99 R 63471 Shpg. wt.. 3 oz .
(V) 2-conductor standard phone jack input to 2 -conductor subminiature plug ( 5 /" dia. finger) output. 39 R 63489 Shpg. wL 302

## D.I.N. ADAPTER CABLES

 FOR EUROPEAN RECORDERS

Adapts European 3 contact ( $180^{\circ}$ ) and 5 contact ( $180^{\circ}$ ) DIN connectors to mate with standard domestic RCA type phono jacks and plugs. For use with Ampex. Noreico, Grundig, Korting, Uher Sony. and other cassette or tape recorders, radios, phonos, amplifiers etc. All phono plugs and Jacks are color coded. $69^{\prime \prime}$ shielded cables. Im. ported. Shpg. wt., 6 oz .
(N) 5-pin adapter connects to 4 RCA-type color coded phono plugs 99 R 6.3539 (0) 5.10 Net 1.99 (0) 5 -pin adapter connects to 4 RCA-type color coded phono jacks (P) 5-pin adapter connects to 2 RCA-type color coded Net 2.49 99 R 63554 . 99 R 63554 (a) 3 -pin adapter connects to 2 RCA-type color coded phono plugs
99 R 63562 (f) 3-pin adapter connects to 2 RCA type color coded phone 2.10 99 g 63570 .. UNIVERSAL CABLE KIT


Kit contains: 2 phono plugs with 69" 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 lack input. All connecting cables are shielded and insulated, ideal for connecting tape recorder to phonograph, radio or TV, or tuner to amplifier. Imported.
99 R 01356 Shpg. Wt., 6 oz 99 R 01356 Shpg. Wt., 6 oz .

Net .79

36" AUDIO COILED CABLES


A set of a color coded shielded cables terminated at each end with phono plugs. $36^{\prime \prime}$ extended, retract to only $14^{*}$. Plugs molded directly to cable. One each red, grey, yellow and green colored cable and phono plugs for easy installation and instant identification. Imported. Shpg. wt. 602.
9s R 01372
Net 1.75

## 4-WAY ADAPTER PLUG

## - 4 Most Popular <br> Plugs

A versatile 4 -in-1 plug for most popular transistor radios and cassette type recorders. Has four different terminations in parallel compactly molded in
a single housing; a 3.5 mm miniature plus; 2.5 mm subminiature plug: 3.5 mm power jack and 2.5 mm coaxial power plug. Imported. 99.61046 Shpg. wt., 402 ............... Net .99


## STEREO AUDIO CABLES

Depend on Lafayette For Complete Sto $10^{\circ}$ all ends. 2.19

Two shielded insulated cables, (of different color tones. for easy identification of chan. nels) inside a common chrome grey plastic jachet, providing two completety isolated channels. Avg. shpg. wt., 8 oz . Imported.

| Type | Length |  | Met |
| :---: | :---: | :--- | :---: |
| 99 R 01133 | $36^{\prime \prime}$ | Phono pin | 1.49 |
| 99 R 01141 | $6^{\circ}$ | plugs at | 1.69 |
| 99 R 01158 | $10^{\circ}$ | all ends. | 2.19 |

# Switchcraft Complete Cable Assemblies For Hi-Fi and P.A. 

High quality extension cables "taitor made" for users of electrical shield and cable clamp. Chrome grey shielded cable recorders, hi-fi equipment, etc. All plugs molded directly to various cable combinations with grey plastic handle; built-in
for high impedance (mike, etc.) connections; chrome grey parallet wire for low impedance (speaker, etc.) connections.


PHONE PLUG (A) TO VARIOUS CONNECTIONS. STd. /4" dia. sleeve; completely shielded. All cables shlelded except* unshielded parallel cable. Avg. shpg. wt. 6 oz

Stock No. One Termination - Length Other Termination Net

24 R 88013 24 R 88021 24 R 88039 24 R 88047 24 R 88831 24 R 88062

24 R 88070 24 R 88088 24 R $88096^{*}$ 24 R 88104 * 24 R $88104^{*}$
24 24 R 88112
24 R 88708
$90^{\circ}$ phone plug (A) $72 \mathrm{in} .90^{\circ}$ phone plug (A) 2.01 $90^{\circ}$ phone plug (A) 120 in, $90^{\circ}$ phone plug (A) 2.70 $90^{\circ}$ phone plug (A) $25 \mathrm{ft} .90^{\circ}$ phone plug (A) $90^{\circ}$ phone plug (A) 120 in. Pin plug (B) $90^{\circ}$ phone plug (A) 72 in. Phone jack (C) $90^{\circ}$ phone plug (A) 120 in . Phone jack (C)
$90^{\circ}$ phone plug (A) 25 ft . Phone jack (C) $90^{\circ}$ phone plug (A) $120 \mathrm{In} .90^{\circ}$ Pin plug (E) $90^{\circ}$ phone plug (A) 120 in . Strip, tin, ends (d) $90^{\circ}$ phone plug (A) 72 in . Spade lugs (H) $90^{\circ}$ phone plug (A) 120 in . Spade lugs (H) $90^{\circ}$ phone plug (A) 72 in . Alligator Clips ( 1 )

PHONE PLUG (G) TO VARIOUS CONNECTIONS

## 24 R 88849

 24 R 82237 24 R 88245 24 R 88856 24 R 88260
## 24 R 88286

 24 R 88294 24 R 88302 24 R $88310^{*}$ 24 R 88328* 24 R 88336* 24 R $88344^{*}$Phone plug ( G ) Phone plug (G Phone plug ( $G$ Phone plug (G) Phone plug (G)
Phone plug (G) Phone plug ( $G$ ) Phone plug (C) Phone plug ( $G$ ) Phone plug (G)
Phone Phone plug (G)
Phone plug (G) Phone plug (G)

| ug (G) | $72 \mathrm{in}$. | Phono jack (D) | 1.68 |
| :---: | :---: | :---: | :---: |
| ug (G) | 72 in. | Phone plug (G) | 2.01 |
| ug (C) | $120 \mathrm{in}$. | Phone plug (G) | 2.70 |
| ug (G) | 120 in . | Mike Connector (f) | 2.70 |
| ug (G) | 25 ft . | Mike Connector (F) | 3.54 |
| ug (G) | 120 ln . | $90^{\circ}$ Phone plug (A) | 2.70 |
| Ug (G) | 72 ln . | $90^{\circ}$ Pin plug (E) | 1.53 |
| ug (C) | $120 \mathrm{in}$. | $90^{\circ} \mathrm{Pin}$ plug (E) | 2.10 |
| ug (G) | 72 in . | Spade lugs ( H ) | 1.14 |
| ug (G) | 120 in . | Spade lugs ( N ) | 1.53 |
| ug (G) | 72 in. | Alligator clips (I) | 1.47 |
| (G) | 120 in. | Alligator clips (i) | 1.83 |

RCA TYPE PHONO PLUG TO VARIOUS CONNECTIONS All Cables shielded except* unshieided paraltel cable. Wt. 6 oz .


## miscellaneous cables



SWITCHCRAFT ADAPTERS - Shielded plug adapters for mikes \& Hi-Fi cables. Avg. Shpg. wt., 4 oz.

332A-2 cond. phone jack input to female mike output. Coupling ring back converts mike conn. to male type.
24 R 88559
Net 1.26
334A-Phono jack input to female mike connector output.
24 R 88567
Net 1.05
336A-2 cond. phone jack input to phono plug output.
24 R 88583
338A- Phono plug at one end with male mike connector at other end.
24 R 88591

345A-2 cond. phone plug output with phono jack input.
24 R 88625 ................................... 93
349a-Phono plug coupler-with phono jack at each end.
24 R 88641
Net . 78 364A-2-Conductor tini-jack \%" dia, sleeve to 2 conductor standard $1 / 4^{\prime \prime}$ plug.
24 R 88906
365-2-Conductor tini-1act *)...... Net 1.11 phono plug output.
24 R 88914 $370^{2} 8914$ Net 1.11 370 - Phono jack input to a 2 -conductor riniplug oc" dia. finger) output.
24 R 88922

374 2-Conductor phone jack input to a 2 conductor tini-plug ( Ke" dia, finger) output. $^{\text {en }}$ 24 R 88930

Net 1.26
383-3 contart female mike input to a. 2 . cond. phono jack outpuit.
24 ค 88948
24 R 88948
$384-3$ pin male mike input to a 2 -cond. phone jack output.
24 R 88955
Net 2.61
386-3 contart female mike input to a standard 2 -cond, phone plug output.
24 R 88963
24 R 88963
$387-3$ pin male mike input to a standard 2 -cond. phone plug output.
2-cond. phon
24 R 88971
Net 2.52

## COILED CORD AUDIO CABLE

## ASSEMBLIES <br> 

- Extends to 66 Inches, Retracts to 8 Inches.
Stretch cable permits neat interconnections without tangle, drape or droop. Durable, shielded colled cord. Available with RCA type phono plug, alligator clips and stripped and finned terminations. Shpg. wi. 402.
RCA type phono plug at each end.
24 R 34025
Net .99
RCA type phono plug at one end, alligator clips color coded red and black at other end. 24 R 34033 ........................ 99 RCA type phono plug at one end, stripped and timned leads at other end.
24 R 34017


## FLEXIBLE $Y$ CONNECTORS AND SHIELDED $Y$ ADAPTERS



For converting Stereo Player to Monaural. Can be used for a Tap-in-Meter Monitor connection. Also required on some Tape Recorders. Imported. Shpg. wt., 3 oz.
(L) Phono Plug connected to 2 Phono Jacks by $4^{\circ \circ}$ shielded cable.
99 R 00937
Net 89
(M) Prono Jack connected to 2 Phono Plugs. 99 R 00945

Net .B9
(N) 3 Phono Plugs connected fogether by $4^{\prime \prime}$ shielded cable.
99 R 00952


Completely snielded Y-Adapters with choice of connectors and terminations. Imported. Avg. shpg. wt., 3 oz.
(0) Two phono jacks connectors in parallel to a standard 2 -conductor phone plug.
99 R 00895
(P) Two whono iacks connectors in paraiel
to a standard phomo connectors in paratuel to a standard phono plug.
90 a siandard
9900903

# Phono And Hi-Fi Installation Accessories 

## STEREO VU BALANCE METER

## $12^{95}$

- Two Meters in One
- Balances Stereo Systems


Enos the problem of balancing your stereo system. Two precisely damped loudness meters provide a continuous comparison of speaker leveis. Scales calibrated in "Volume Units" and percent. 1.2 volts input sensitivity for 0 VU or 100 percent indication. The speclal calibrating switch and 20 db attenuation controls permit exact matching of channels. Greater than 8,000 ohm impedance permits connecting to output circuits without loading. The entire unit is
 99 R 50387 Shpg. wt., $13 / 6$ Ibs.

Net 12.95

## LONG LIFE HI-FI BLOWER

- Motor Shunt Varies Both Volume of Air Moved and Noise level A venturl fan for use with hi-fi. TV, Ham radio and other electronic Installa. tions, to ventilate equipment and give maximum

life and best performance. With shunt defivers 50 CFM at low noise level, shunt removal delivers 75 CFM with slight increase in noise level. Front and back grilles. Permanently fubricated. Rated 115 VAC, 60 Hz . Size: $51 / 2 \times 6 \times 2 \mathrm{ya} \mathrm{\prime} \mathrm{\prime}$. Complete with grill bracket, mounting hardware and instruction sheet.
24 R 39016 Shpg. Wt., $21 / 2$ lbs. $\qquad$ Net 10.50


HI-FI BOXER FAN

- Ideal For Cooling TV

And Hi-Fi Equipment
per Silent, Compact

- Super Silent, Compact
- Sturdy Metal

Construction
Exceptionally low.noise fan for cooling hi-fi equipment. Slow rotating 5-blade impeliep delivers 50 ctm , enough air to exhaust the average enclosure 10 to 30 times per minuie, to minimize thermal drift and increase equipment life. Aifflow is reversible. Has heavy non-warp all metal frame and motor mounting acts as an efficlent heat sink, adding life to motor and bearing. Pre. lubricated for years of maintenance-free operation. Only $4^{\prime \prime} K_{0}^{\prime \prime}$ square by $11 / 2^{\prime \prime}$ deep, fits any cabinet. Easy to install. Comes with complete mounting kt including speciai heavy duty brackets for mounting versatility. hardware, grommets, shock-absorbing spring mounting pad, A.C. power cord and clio on plug, template and instruction sheet. Rated $115 \mathrm{VAC}, 60 \mathrm{HZ}$.
24843018 Shpg. wt. $21 / 4$ lbs.
Net 14.85

## BALL BEARING HEAVY DUTY SLIDES

Drawer slides made of 16 gauge steel. Supports 50 lbs. Ball bearing, double-extension type, drawer slides. Length 15"', travel length $11^{\prime \prime}$, ex. tended $22^{\prime \prime}$ 'Shpg. wte, 2 lbs.
20 R 52017
per pair Net 2.19
SHORT TYPE. Same construction as above but $13^{\circ \prime}$ long; travels $9^{\prime \prime}$; extends to $18^{\prime \prime}$. Shpg. wt., 2 lbs.
20 R 52025
per pair Net 1.99

## LEVEL AND LEVELING

 SCREWS

- Permits Accurate Turntable Leveling

For sterco and mono Mi-Fi systems. Prevents unnecessary needle and record groove wear. Precision, circular bubble type level indicator for accurate turntable leveling. Circular 4 -way spirit level mounts to top deck of turntable. Four adjustable leveling screws and 1 nuts, Provides quick, easy adjustment. 24 R 8034 . Shpg. wha, 4 oz . Net 3.10

FIBERGLASS

- 1 Inch Thick


Excellent sound absorbing material. For iln= ing interiors of speaker cabinets, consoles, phonos, TV's, etc. Damps medlum and high frequency reverberation and distortion. Suit. able for many other installation purposes. 9 sq. ft. 1" thick with glue and applicator. 20 R 15014 Shpg. wt., 1 Y lbs. ... Net 1.75 DELUXE BASS MEFLEX KIT: Same as above but contains 20 square ft . $16^{\circ \prime} \times 16^{\prime \prime} \times 1^{\prime \prime}$ thickness fiberglass. Shpg. wt., $21 / 2 \mathrm{lbs}$. 20 R 15022
insulation


Decorative Grille Cloth


Choice selection of latest patterns and beautiful decorator colors.


This two sided $12^{\prime \prime}$ LP record uses easy to mathe tests to check the performance of stereo and monaural high fidelity equipment. Simple narrative and complete instructions enable you to check frequency response, level balance, channel identification and separation, hum, rumble, and other characteristics of your hiff system.
24 R 45070 Shpg. wt., 1 lb.
Net 2.95


## (《Specialty Phonographs))

## LAFAYETTE 4SPEED SOLID-STATE PHONOGRAPH With Built-in Color Lights

\author{

- Beautiful Color Lights Are Activated When Record is Playing
}
- 3x5" Front Mount Speaker

Secome the center of attraction, the hit of the party with your psychedellc phonograph. Beautiful array of color Hghts are activated when a record is playing. Large. $3 \times 5^{"}$ front mounted speaker provides fine tonal quality. Piays all size monaural and stereo records at $162 \%$, 334 , 45 and 78 RPM . A single lever selects any speed. 2 controis: On-Ot//Yolume (IIght intensity) and tone. BuitrtIn AS RPM adapter disc. Dual turnover cartriage with 2 symthetic sapphire needies. Case colors: bottom section-psychedelicic blue, white, and orange: too section biue; white portable carrying strap. Size:



## LaFAYETIE

 4 SPEED MANUAL PHONO- Instant-On Solid State Circuitry
-4-Speeds: $162 / 3,331 / 3$. 45, 78 RPM
-Built-In 45 RPM Record Adapter


## only 495

Ideal phono for the roungster in your family. Plays ep to $\mathbf{1 2}^{\boldsymbol{\prime}}$ monoural and stereo records at $162 \mathrm{~h}, 33 \%, 45$ or 78 RPM. A single lever selects any speed. "Feather-light" retractable tone arm is equipped with a single crystal cartridge. Volume controf with on-off switch. Built-in 45 RPM record adapter. Fine quality $4^{\prime \prime}$ speaker. Attractive blue and white leatherette covered case. For $110-120$ Votts, 60 Hz .

24 R 02725 W
Net 14.95


## NEW Panasonic AC/Battery Portable Phonographs



Operates on batteries or household 117VAC to insure complete portability. Features 4 -speed turntable with custom ceramic certridge and aotomatic shut-0tf. Twin $4^{-}$speakers deliver full-range sound. Tone control and dual volume controis. Sensifive FM/AM Radio. Bultt-in Antennas. Size: $173 / 46 \times 127 /{ }^{3}$. Imported.
24 R 41251 Whpg. wt., 15 Ibs. No Money Down* .. Net 99.95
99 R 62564 Extra "D" Batteries ( 6 req.)
Net ea. . 18


SG-376
Pmono Pmono $\}$
 with Batteries Dewn*

Instant-On Solid-State Circuity

## $99^{95}$

Panasonic SG-675 4-Speed.
Stereo Phono with AM/FM Radio

- 4 Speeds
$163 / 3,331 / 3$.
45, 78 RPM


Convenient and dependable solld-state Panasonlc phonographs operate on batteries or 117 VAC to insure complete portability. Plays $331 / 5$ and 45 RPM records, Includes ceramic cartridge with synthetic sapphire stylus. $3^{\prime \prime}$ dynamic speaker for fine tonal quality. Earphone of external speaker jack. Operates on 4 " $D$ " batteries (included) or 117 VAC. Convenient carrying handle. Radio models SG-356 and SG376 come with built-i antennas. Imported. Size: (all) $31 / 4 \mathrm{Hx} 103 / 4 \mathrm{~W}$ x9K"D.

Stock Mo.

## Medel Mo.

Shpe. WI. Met Ea.

$$
24 \text { R } 41228 \mathrm{~W} \text { SG-335 Phono }
$$

24 R 41236 W SC.356 Phono w/buitt-in AM Radio 4 lbs. 29.95 24 R $41244 W$ SG-376 Phomo w/built-in AM/FM Radlo 442 lbs .39 .95
Exira " 0 " batteries for above phonographs - 4 required.
Exira

## DELUXE MODEL TPS35

## 4-Speed Solid-State Stereo Phonograph with Detachable Speaker Enclosures

- Garrard 4-Speed Automatic Changer
- Solid-State Stereo Amplifier with 8 Transistors, 2 Diodes, and 2 Silicone Rectifiers
- 4 Speakers: Two $8^{-}$Heavy.Duty Woofers Two $31 / 2 "$ Tweeters Provide Magnificent Tone
- Stereo Headphone Jack plus 4 Controls: Loudness, Balance, Bass, Treble

Each detachable speaker enclosure with 6 h . extension cord, contains a heavy-duty $8^{\prime \prime}$ woofer and a $31 / 2$ " tweeter for magnificent hi-fi sound reproduction. Powerful 10 -watt solidstate stereo amplifier features a stereo headphone jack for private listening plus 4 controls: Loudness, Balance, Bass, Treble. Quality Garrard 4 -speed automatic record changer plays all record sizes and speeds- 7 , $10^{\circ}$ and $12^{\circ \prime}$ records at $162 / 3,331 / 3$, 45 , and 78 RPM . Intermixes all size records of the same speed. Changer automatically shuts off after last record has been played and is equipped with a stereo furnover cartridge with diamond needle. Decorator designed wood cabinet is covered with simulated walnut and black wash. able vinyl material. Size: $211 / 4 \times 121 / 2 \times 14 \frac{4}{4 \prime \prime}$. For $110-120$ VAC 60 Hz . Shpg. Wt. $331 / 3 \mathrm{lbs}$. 24 R 03434 Wx No Money Down
24 R 02543 Replacement Diamond Needle for TPS35 .............................Net 2.79 24 R 0217045 RPM Spindle for TPS35.................................................................... 3.80


Made in USA

## MODEL TPS3O

## 4 Speed Solid-State Stereo Phonograph

- Garrard 4-Speed Automatic Record Changer
- Each Detachable Speaker Contains a Wide-Range High Compliance 4" Air Suspension Speaker
- Front Panel Stereo Headphone Jack
- Solid-State Stereo Amplifier with 6 Silicon Transistors and 3 Diodes

NEW $64{ }^{95}$


Diamond Needle

Convenient size lets you take this phonograph anywhere you like. Two detachable acoustically matched $4^{*}$ speakers can be separated up to 12 ft . for magnificent full dimensional sound. Garrard changer plays all size records at $162 / 3$, $334 / 3,45$ and 78 APM. Intermixes $12^{\prime \prime}$ and $10^{-}$records of the same size. Instant-on solid-state stereo amplifier has 3 controis, volume left, volume right, and tone. Phono turns off after last record has been played. Equipped with stereo turnover cartridge with diamond LP needle, Size $23 \mathrm{~W} \times 71 / 2 \mathrm{D} \times 131 / 2=\mathrm{H}$, For I17VAC 60 Mz . Shpg. wt., 24 lbs. 24 R 03442 No Money Down ${ }^{\text {e }}$

Net 64.95
24 R 02543 Replacement Dlamand Needle for TPS30 .................................... 2.79
24 R 0217045 RPM Spindle for TPS30

## Deluxe 4-Speed Manual Phonograph

- Speaker Front-Mounted for Full-Tone Sound Dispersion
- Front Mounted Controls for Convenience
- Built-in 45 RPM Adapter Disc
- Instantaneous ON Solid-State Circuitry

Plays stereo and monaural records of all speede... $162 / 3,331 / 3,45$, and 78 RPM...all sizes $12^{*}, 10^{m}, 7^{\text {n }}, 4^{\prime \prime}$ wide range speaker is sef in front grill for full-tone sound dispersion. 2 fropi mounted controls on/off volume and tone. Tone arm has vual rurnover cartridge. Attractive blue wa shable pyroxin costed fabric with silver metal grili cloth. Size: $131 / 2 \mathrm{~W} \times 61 / 2 \mathrm{H} \times 104 / \mathrm{m}^{\circ} \mathrm{D}$, For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Bulit-in 45 RPM record adapter.
24 R 02899w Shpg. wt., $71 / 4$ lbs.
Net 19.95

## KLH, Mastertone, and Lafayette Music Systems



## NEW Mastertone SV-I7W Solid-State 3-Piece AM/FM Stereo Consoletre



## KLH Model 24 Solid State FM Stereo Music System

35 Watt (IMF) system provides superb FM stereo listening plus quality phong sound reproduction. Control center has a sensitive FM stereo tuner with vernier tuning, zero tuning meter and stereo indicator. Garrard 4 -speed automatic turntable uses a Plchering V15 cartridge with diamond stylus. Speakers have $8^{\prime \prime}$ acoustic suspension woofers and $2^{\prime \prime}$ wide disperston tweeters. Othef features include tape and headphone outputs, auxiliary inputs, and deluxe oiled walnut cabinetry. Dim: Control Center, $18 \mathrm{~W} \times 4 \mathrm{H} \times 14^{\circ} \mathrm{D}$. Speakers. $18 \mathrm{~W} \times 101 / 4 \mathrm{H} \times 71 / 2-\mathrm{D}$.
24 R $44099 w x$ Shpg. wt. $5571 / 2$ lbs. Net .... 279.95 Model 24 with AM: Same components as above but with high performance AM circuitry. For $110-120 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Shpg, wt., $581 / 2 \mathrm{lbs}$. 24 R44180Wx

Net 309.95

## KLH Model 20 Solid Stafe FM Stereo Music Center

Stylish 50 watt (IHF) music system Integrates a FM stereo tuner, preamp. and power amplifier into one convenient controd center. Includes Garrard 4 -speed automatic turntable and two walnut finished speaker systems with $10^{\prime \prime}$ acoustic suspension woofers and $174^{\prime \prime}$ tweeters. Incorporates tape and headphone out puts, auxiliary inputs, zero tuning meter, and FM stereo indicator. Dim: Control Center, $18 \mathrm{y} / \mathrm{WW} \times 83 / 6 \mathrm{H}$ $\times 14^{\prime \prime}$ D.; Speakers, $11 \mathrm{H} / \mathrm{w} \times 231 / \mathrm{x} \times 9^{\circ} \mathrm{D}$. For $110-120 \mathrm{~V}$, 60 Hz AC .
24 R $44032 w x$ Shpg. wt 4,85 lbs. Net 349.95 KLH Model 20 With AM: Same components as above but with high performance AM circuitry. Shpg. wt., $871 / 2 \mathrm{lbs}$. 24 R $44172 w x$

Net 379.95
Dust Covers For Model 20 and 24 24 R 44115 W Lift Type. Wt., $81 / 2$ Ibs.... Net 29.95 24 R 44123 W Hinge Type. Wt., $33 / 4$ lbs. Net 9.95

## Lafayefte LSC-888B 3-Piece Stereo Phonograph and 8-Track Tape System



- Garrard 4-Speed Automatic Record Changer with Cueing
- 20-Watt Solid-State Stereo Amplifier
- Each Speaker Enclosure Contains an $8^{n}$ Woofer and a 4" Tweeter

Deluze 3-Plece Stereo Music System plays both stereo records and 8-Track Stereo Tape Cartridges. Profes. sional 4 -speed Garrard changer has tubular tone arm. cueing, and diamond stylus. 8. Trach Stereo Cartridge Tape Player features illuminated trach indicators and a pushbutton channeh selector, includes 45 rmm spindle. Size: Control Center: $23 \mathrm{y} 2 \mathrm{~L} \times 4 \mathrm{H} \times 14^{\prime \prime} \mathrm{D}$. Speakers: $15 \mathrm{H} \times 10 \mathrm{~W}=47 \mathrm{~m}{ }^{\circ} \mathrm{D}$. For $110-120 \mathrm{VAC}, 60$ Hz . Shpg. wt., $491 / 4$ tos.
24 R $03343 \%$ K
Net 129.95

Ultra-mocern AM/FM Stereo Phono System-It's a console stey bookshell stereo-or It's a 3 -plece modular consolette. Both the speaters and stand are detachable. Can even be used as a room divider. soth front and back ane finished in scuff-resistant vinyl walnut. full hinged blue plexi-glass dust cover. Ebony-finlshed speakers have midnight olue grlle cloths. Powerful solid-state AM/FM Stereo Receiver faatures: FM Stereo Indicator Light, separate balance and tene controls, AFC on FM to prevent drift, and builtIn AM and FM Antennas. Each speaker enclosure contains an acousticafly matched high compllance wide-range duocone speaker with mechanical crossover network for superb sound reprotuction. Famous BSR 4 -speed Automatic Record Changer plays 12", 10", and $7^{\prime \prime}$ "records at $162 / 3,331 / \mathrm{h}$, 45, and 78 rpm . Tubular tone arm contains turnover stereo cartridge. Size with speakers and stand: $243 / 4 \mathrm{H} \times 431 / 2 \mathrm{~L} \times 17^{\circ} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. 24 R 62000 wX Shpg. wt. 55 lbs . Net 199.95

## SONY

and PaNASONIG

## IIED SONY HP 149

## 3-Piece AM/FM Stereo Cassette-Phono System

Handsomely styled with a quality AM/FM Stereo Receiver, BSR 4 -speed mind-automatic record changer, pushbutton stereo cassette recorder, and 2 separate speaker enclosures-each containing a $61 / 2^{\prime \prime}$ woofer and a $2^{\prime \prime}$ tweeter. Recorder features bulit-in cassette storage compartment and automatic record level conirol. You can record direct from the record changer or AM/FM stereo tuner, or live with the optional stereo milhe. Front panel stereo headphone jack. Comes with 45 RPM adapter, fM dipole antennas, and plastic dust cover. Size: each speaker $115 / 8 \times 113 / 8 \times 55 / 9^{\prime \prime}$ D. Control Unit $-8 \mathrm{Hx} 221 / 4 \mathrm{~W} \times 12^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$, Imported. 24 R 32003wx Shpg. wt., 32 lbs. Net 229.95 Stereo Microphone for HP 149. Shpg, wt.. 1 ib. 24 R 32029 No Money Down * Net 21.95



## IJEIU PANASONIC RS 257

## Stereo Cassette Phono/Radio Home Entertainment Center

> Everything in one beautifully designed package. Stereo Cassette Recorder features pushbutton controls, slide-in cassette system, and end of tape shut-olf. 4 -speed stereo record changer has Panasonic whisper-touch cartridge, tubular tone arm, and diamond LP stylus. FM/AM/FM stereo radio has AFC on FM, FET tuner, and black-out dial. Matehink speater enclosures each housing a $61 / 2^{\prime \prime}$ wooter and $2 \mathrm{~K}_{4}$ " tweeter. Slidelever bass, treble, volume and balance controls. Solid-state circuitry, Jacks for microphone, aux. Input and headphones. With cassette storage compartment, changer dust cover pre-recorded cassette and microphone with stand. Walnut wood cabinetry. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg, wt., 48 Ibs. Imported. Size: Control unit-103/0 $x$ $21 \frac{1}{8} \times 14^{\circ}$. Each Speaker System-145/8 $\times 165$ $\times 51 / 2$
> 24 R 41285 WX No Money Down* Net 299.95


## JEIU PANASONIC SC 8700

## AM/FM Stereo Music Center with 4-Channel Amplifier


#### Abstract

Exciting solid-state 4 -channel quadrasonic--ready stereo music center. By just adding a 4 -channel program source such as a 4 -channel reel or cartridge deck, and two rear speahers (see Histing belou:), you can listen to discrete 4 channet stereo music In your home. The recelver can also be operated to provide separate simultaneous stereo programs for 2 areas of your nome. SC-8700 teatures: (1) pre-mounted 4 -speed Garrard automatic turntable equipped with a Pickering diamond stylus magnetic turntable equipped with a Pichering diamond stylus magnetic cartridge, and dust cover, (2) full Feature 60 watt (HF) AM/FM stereo Receiver with 4 amplifiers. (3) two matching acoustic suspension speaker systems, each containing an $8^{*}$ woofer, $5^{\prime \prime}$ mid-range, and $2^{\prime \prime}$ tweeter, walnut wood cabinetry. Size: Recelver  Changer-8\%, $\times 17 \% / 8 \times 153 / 2^{\prime \prime}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported $24 R 41277$ WX Shpr. wt. 75 lbs.

Net 429.95 PAIR OF SE-170 SPEAKERS FOR 4 CHANNEL SYSTEM. Same specifications as SC 8700's speaker system. 24 R 41269wX Shpg. wi., 30 lbs.




- See Page 22 for Full Credit Detailson Easy Pay Plan


## NEW! Deluxe Lafayette LSC-55

 speed record changer with cueing enntrol plays $7^{\prime \prime}, 10^{\prime \prime}$, and $12^{\prime \prime}$ records an $162 / 3,331 / 3,45$, and 78 RP 1 . Tubular tone arm has stereo turnover cartridge with diamond LP needle. System turns oft after the last mecord has been played. Inวut jacks are provided on the rear panet for plugging in an FM Stereo Tuner or Tape Player. Powerfut solid-state stereo amplifier tas a stereo headphone jack for private listening. Acoustically matched palr of $8^{\prime \prime}$ wide-range speak. ers are hcused in walnut wood cabincts. Each Spk. System measures $137 / 8 \mathrm{H} \times 5 / 8 \mathrm{~W} \times 53 / 4 \mathrm{D}^{\prime \prime}$. Size of Contrs Unit: $163 / 80 \times 35 / 8 \mathrm{H} \times 145 / 8 \mathrm{D}^{\prime \prime}$ For $117^{* A C}, 60 \mathrm{~Hz}$. Comes with pastic dust cover and 45 RPM Spindle. Imported. Shpg. wt., 36 lbs . 24 R 03 200 WX No Money Down

N et 89.95
Replacement Needle for LSC-55 Shpg. wt., $30 z$
Net 2.79

## Lafayette LSC-25 Solid State 3-Piece Stereo Modular Hi-Fi Phono System

- Two 4 " Wide-Range Acoustically Matched Speaker Systems
- Ultra Modern Low Profile Styling
- Stereo Headphone Jack for Private Listening
- Famous BSR 4-speed Automatic "Mini" Record Changer


Component inspired design. Now a stereo hi-fidelity phonograph with the advantages of separate components. Our handsome 3 -piece modular hi-fi phono system features a control unit containing a reliable solld-state stereo ampllfier and a BSR 4 speed automatic "minichanger ${ }^{3 \prime}$ mounted In a simulated black leather high-impact plastic base with wainut vinyl trim. Each matching speaker system can be ideally spaced for proper stereo separation. They can be placed on a bookshelf, hung on a wall, or set on end-tables. The amplifler has a stereo headphone jack for private Ilstening and 3 controls: volume left, volume right and tone. BSR 4-speed automatic "mini-changer" features automatic shutoff after last record has been played. Plays
all size records-7", $10^{\circ}, 12^{\prime \prime}$ and all speeds- $162 / 3,331 / 3,45$, and 78 RPM. Intermixes $12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed. Tone arm !s equipped with a stereo turnover cartridge with a diamond LP needle. Includes a tinted plastic dust cover for the control unit. Size: Control Unit- $101 / 4 \mathrm{~W} \times 161 / 2 \mathrm{~L} \times 61 / 2 \mathrm{H}_{\mathrm{i}}$ Speaker- $73 / 8 \mathrm{~W} \times 91 / 2 \mathrm{~L} \times$ $4^{\prime \prime} \mathrm{D}$. For $110 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt, $131 / 2 \mathrm{lbs}$.
24 R 03236WX No Money Down
Net 49.95
ACCESSORIES for LSC-25
Replacement Needle for LSC-25. Wt., 3 oz
24 R 02386
Net 2.79
24 R 0256845 RPM Spindle for LSC-25
Net 1.49

## Deluxe LAFAYETTE LSC-100B AM/FM Stereo Modular Hi-Fi System



- Garrard 4-Speed Automatic Record Changer with Cueing
- Powerful Solid State Stereo Amplifier
- Electronic FM Stereo Indicator Light
- Stereo Headphone Jack for Private Listening

Our finest stereo phonograph with bullt-in stereo FM/AM radio is fulty solid-state and features magnificent ultra-modern styling. The control center's stereo amplifier provides 20 -watts Music Power ano has provisions for tape input and output, gultar mike input, and stereo headphone. Also includes AC convenience outlet on rear panel. Features remote speaker output jack for hooking up an additional pair of speakers for another room. Tunes in regular FM \& AM radio and receives full-dimensioned stereo FN broadcasts. Built in AM/FM antennas. Provision for attaching external FM antenna. Calibrated slide rule tuning. AFC swlich for drift-free FM reception. Garrard 20254. speed automatic stereo record changer with cuelng lever plays $7^{\prime \prime}, 10^{\prime \prime}$ and $12^{\prime \prime}$ records at $16 \frac{1}{3}, 33 \frac{1}{3}, 45$, and 78 ppm . Operates automatically or manually. Shuts off both changer and

- Each Speaker Contains an $8^{*}$ Woofer and 4 " Speaker
- Guitar Microphone Input Lack
- Tape Input and Output Jacks
- Main and Remote Speaker Jacks
amplfifier automatically after last record. Features tubular tone arm with $V$ eco TN-4 stereo turnover cartridge with diamond LP needle. Each 2 way speaker system contalas an $8^{\prime \prime}$ woofer and $4^{\prime \prime}$ tweeter for brilliant cancert hall realism. You also get a handsome tinted plastic dust cover for the compete cuntrol unit, speaker hook-up cable and a 45 Tpm ::pindle. The components are mounted in beautiful walnut vinyl veneer covered wood cableses. Slze: Control unit $235 / 6 \mathrm{~W} \times 14 \mathrm{D}$ $x 1076{ }^{-} \mathrm{H}$, with dust cover). Ihi:ludes tintec plastic dust cover and 45 RPN: spindle. Speaker Encl.: $153 / 6 \mathrm{H} \times 101 / 3 \mathrm{~W} \times 45 \% \mathrm{D}$. For $\mathbf{1 1 0 - 1 2 0}$ $V A C .50 \mathrm{~Hz}$ Shpg. wt., 45 lbs.
24 R 0325IWX No Money Down ${ }^{\circ}$
Net 149.95
24 R 03202 Replacement newdle for LSC-100B .... Net 2.79

- 2 Wide Range $4^{\text {" Acoustically Matched }}$ Speaker Systems - Famous BSR 4.Speed Automatic "Mini" Record Changer - Front Panel Stereo Headphone Jack

[^8]AM 8 FM antenna. Black leatogette and walnut grained plastic cablnetry. Size Control unit $16 \% / 4 W \times 97 / 2 \mathrm{D} \times 61 / 2$ " H . Each speaker $73 / 8 \mathrm{~W} x 912 \mathrm{~L} \times 4^{\prime \prime} \mathrm{D}$. For 117 VAC 60 Hz . With tinted plastic dust cover. Imparted. Shpg. Wt., 16 lbs .
24 R 03426 W No Money Dovn
24 R D2386 Replacement Nercle wi, 302 .......... Net 69.95
24 R D2568 45 RPM Spindle ift 3 oz 3 oz. ............ Net 2.79
24 R D2568 45 RPM Spindle. Wt., 3 oz.

## LAFAYETTE'S BEST



The ultimate in a 3 piece Modular stereo phono system. Start with a handsome Control Center containing a powerful solid state 100 watt, AM/FM stereo Tuner/Amplifier. Add: (1) A famous Garrard 4 -speed Automatic stereo record changer with cuelng control, (2) a deluxe 8 -Track Stereo Cartridge Player. Take the two perfectly balanced full range 3 -Speaker Acoustic §uspenslon Systems and plug them Into the control center (cable included). You now have a mago nificent performing system that permits you to enjoy the finest in hi-fidelity music listening. Specifications: Garrard changer: 4 -speeds - $162 / 3,331 / 3,45,78$ RPM. Intermixes records of the same speed. Tone arm has turnover stereo ceramic cartridge with Diamond LP needle. 8 Track Stereo Tape Cartridge Player: Individual Illuminated Track indicators, Pushbutton Track Selector. Stereo Tuner Amplifier: Black-out calibrated tuning dial-Separate slide controls for Balance, Bass, Treble, and Volume. Rocker switches for On/Off, AFC, Rumble Filter, Scratch Filter, and Loudness. Front panel gultar mike input jack. Tape Input jacks; AC Convenience outlet. Lach Acoustic Suspension speaker System contains one $61 / 2^{\prime \prime}$ woofer, and two $31 / 2^{\prime \prime}$ tweeters. Beautlful walnut vinyl wood cabinetry. Includes Plastic Dust Cover and 45 RPM Spindle. Slize: Control Center: $231 / 2 \mathrm{~W} \times$ $93 / 4 \mathrm{H} \times 15^{\circ} \mathrm{D}$. Ea. Speaker System: $147 / 8 \mathrm{H} \times 111 / 4 \mathrm{~W} \times 6 \%{ }^{\circ} \mathrm{D}$. For $110-120$ VAC. 60 Hz . Shpg. wt., 63 lbs .
24 R 03418WX No Money Down*.......................... 229.95 24 R 03202 Replacement needle for LSC. 8000 B . Net 2.79

# NEW Deluxe Model LSC-8000B Solid State AM/FM Stereo 8-Track Phono System 

- Slide Lever Controls for Balance, Bass, Treble and Volume
- FM Stereo Indicator Light and Tuning Meter
- Garrard 20254 -Speed Automatic Record Changer with Cueing
- Power Output-1130 Watts Music Power
- Stereo Headphone and Remote Speaker Outputs
- Individual Illuminated Track Indicator Lights


## NEW Model LSC-6000 Solid-State AM/FM Stereo 8-Track Phono System

- BSR 4 -Speed Automatic Record Changer with Cueing Control and Diamond Needle
- Powerful Solid-State Stereo Amplifier/Tuner features Separate
Slide Controls for Balance, Bass, Treble
- 8. Track Stereo Tape Cartridge Player features Indivdual Channel Indicator Lights and Push-button Track Selector
- Each Air Suspension Speaker System Contains an $8^{* 1}$ Wooter, 2" Tweeter, Crossover Nefwork, and a Multicellular Horn Type Duct

Enjoy the sound and performance of 8-track stereo tape cartridges, records, and AM/FM stereo broadcasts from this "luxurious-low price" 3 -piece phono system. The handsome walnut wood cabinetry with low silhouette styling will blend into any decor. The powerful solid-state AM/FM stereo tuner-amplifier features a black-out tuning dial, FM-Stereo indicator light, front panel stereo headphone jack, and a six position selector switch: AM, FM, FM-AFC, FM-Stereo, Phono/Aux, Tape. Built-ín 8-track stereo tape cartridge player has color coded channel indicator lights. BSR 4 -speed record changer plays $12^{\prime \prime}, 10^{\prime \prime}$, and $7^{\prime \prime}$ records at $16^{2} / 3,331 / 3,45$, and 78 RPM-and contains many' professional features such as anti-skating control.
${ }^{\circ}$ See Page 22 for Full Credit Details on Eursy Pay Plan
cueing lever, and lubular tone arm equipped with ceramic sterec turnover cartridge with diamond LP stylus. Tape inputs and outputs are provided on the rear of the unit. Built-in AM and FM antennas. Provision for external antenna. Size: Control Unit-17MaL $x$ 14 $1 / 10$ $\times 9^{\prime \prime} \mathrm{H}$. Each Speaker- $153 / 4 \mathrm{H} \times 11 \mathrm{~W} \times 61 / 2^{\prime \prime} \mathrm{D}$. Comes with Plastic Dust Cover, 45 RPM Spindle, and FM dipole Antenna. For 117 VAC . 60 Hz . Iraported. Shipg. wt., 50 lbs . 24 R D3392WX No Money Down

Net 179.95
Replacement Diamond Needle for LSC- 6000 .


# Solid State 3 Piece AM/FM/FM Stereo 8-Track Playback System 

## - Each Speaker Enclosure Contains an Acoustically Matched Wide Range 6½" Speaker

- Illuminated Track Indicator Lights

Exceptionally fine ferforming system you'll be proud to own and delighted to listen to. Beautifully styled and engineered to sell at a price everyone can afford. Its two separate $61 / 2^{\prime \prime}$ wide range speaker systems provide rich full frequency stereophonic sound. Enjoy the ease and pleasure of listening to pre-recorded 8-Track stereo tape cartridges. Listen to magnificent FM stereo radio broadcasts as well as FM mono and AM programs. Black out and illumi. nated slide rule tuning dial. Illuminated FM stereo Indicator. Six position selector switch for AM, FM, FM-AFC, FM-MPX, Phono, Tape. Separate slide controls for balance, bass, and treble. Fronk panel stereo headphone jack for private listening. Built-in 8 -Track cartridge player has a pushbutton channel selector and individual illuminateo channel Indicators. Record changer input (ceramic) and tape record output jacks. AC convenience jack on rear panel. Powerful 2 watt RMS solid state stereo amplifier. FM sensitivity: 5 mV . Stereo Separation: 30db. Walnut vinyl covered wood cabinetry. Size: Control Unit: $19^{\prime \prime} \mathrm{L} \times 41 / 2^{\prime \prime} \mathrm{H} \times 81 / \mathrm{g}^{\prime \prime} \mathrm{D}$. Each Speaker System, $10 " \mathrm{H} \times 8^{\prime \prime} \mathrm{W} \times$ $41 / 2 " \mathrm{D}$. For 117 VAC 60 hz . imported. Shps. wt., 24 lbs 17 R 01168WX No Money Down

Net 99.95 Lafayette MC22B 4 Speed Automatic Record Changer Ensemble. (See page 91 for complete description of MC22B.) 21 R 01772 No Money Down ${ }^{\circ}$

Net 34.95

# LAFAYETTE 'Profile 80’ Full Feature Solid-State AM/FM/FM Stereo 8-Track Player/Receiver 



Magnificent performing sol d-state home entertainment control centep. Play brillant 8.Track stereo tape cartridges without using an accessory tape deck. Rece ve AM, FM, and FM stereo radio broadcasts. Plug-in and play record changer with a ceramic cartridge, or plug-in and play a cassette or reel-to-reel tape deck or recorder. In addition, tape recorder oltput jacks are available for taping all the music reproduced by this fine receiver. Separate volume, balance, zass, and treble controls; individual switches for loudness, stereo/mono, hi-filter, main or remote speaker. Buittin AM and FM antenna. Provisions for exterial FM antenna. Spill-proof mechanism

- Tape Recorder Output
- FM Stereo Indicator Light
- Pushbutton Track Selector
- Spill-Proof Capstan Mechanism
- Main and Remote Speaker Contnols
- Individual Illuminated Track Indicator Lights
on the 8 Track player stops the tape from wrapping around capstan FM IMF Sensitivity: $5 \mu \mathrm{~V}$; Power Output: 18 watts music power. Tape Output: maximum 1 volt-average $300 \mu \mathrm{~V}$. Cartridge Player: $\mathrm{S} / \mathrm{N}$ Ratlo: better than $38 \mathrm{db}_{\text {; }}$ Wow and Flutter: less than $0.36 \%$ /RMS. Housed in a handsome walnut and metal enclosure. AC convenience outlet. Size: $201 / 2 \mathrm{~W} \times 4 \frac{1}{2} \mathrm{H} \times 10^{3 / 4} 4^{-1} \mathrm{D}$. For 117 V 60 Hz . AC. Imported. 99 R 02354 W Shpg. wt., $241 / 2$ lbs. .......................... 129.95 Criterion 25A Speakers for 'Profile 80'. (See page 56 for 25 A description.)
99 R 02255 w Shpg. wt. 12 lbs.


# Deluxe LaFAYETTE RK-890A Solid-State Stereo 8-Track Cartridge Recorder/Player Tape Deck 



Even better than our widely acclaimed RK-890. The improved RK-890's new features include a repeat program selector, ster€o.mono mode switch, meter overload protection circuitry, automatic return of all function buttons to neutral (off positions) after cartridge ejection, and increased blas frequency to 82 kHz . Offers unsurfassed 8 -track cartridge record and playback facilities. Enjoy hours of listening pleasure from your own pre-recorded stereo cartridges The RK.890A will become the ideal companion to your present high fidelity system. Exclusive Automatic Cartridge Ejector will provide years of trouble-free 8 -track performance-no longer will you damage the heads of your recorder or the roller of any cartridge by leaving a tape inserted after you have turned off the power. The fast forward feature permits quick selection of tape sections. And, most important, you can automatically record each track individually and stop.

Specifications: 2 Mike Inputs, (Sens tivity ea., 1 mV and 100 mV ) Bias Freq : 82 kHz, AC erasing system, Freq. response: $\mathbf{3 0} \cdot \mathbf{1 2 , 0 0 0}$ Hz , Wow \& Flutter: less than $0.25 \%$. Channel Separation: 30db, Output level: 1 volt Max, 300 mv Average. 17 Transistors, 13 Dlodes. Walnut metal wrap around case. Brashed gold anodized aluminum trim, AC Fower Fuse. For 117 VAC, $50-60 \mathrm{~Hz}$. Size: $12 \times 33 / 4 \times 91 / 8{ }^{\prime} \mathrm{D}$. Imported. Shpg. wt., 12 lbs. 99 R $15 E 68 \mathrm{~W}$ No Money Down

Net 129.95
Microphone for RK-890A, Imported. Sipg. wt., 8 oz.
99 R 46161
Net 6.50
Lafayette $60 \mathrm{Min} .8-\mathrm{Tr}$. Mylar Recorčing Tape. Shpg. wt., $6 \mathbf{0 z}$.
28 R 01348
Net ea. 1.95

## $54^{95}$

- Built-in Solid-State Stereo Playback Preamplifier
- Pushbutton Track Selector
- Individual Illuminated Track Indicator Ligh:s
- Spill-Proof Capstan Mechanism

Improved version of our best selling 8-Track steres playback deck. Designed to complement the finest stereo systems. Unique capstan bearing assembly insures long-life operation without damage to your tapes. Spill-proof mechanlsm stops tape from wrapping around capstan. Bullt-in solid-state steres playback pre-amplifiers. Connects to your stereo amplifier or receiver tape input. Tape plays continuously. Four indicator ligh:s tell you which track is playing at any given time. In sequence you may switch tracks by depressing the pushbutton track selector button. Power Output: 1-volt. Freq. Response: $30-12,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. $\mathrm{S} / \mathrm{N}$ Ratio: better than 47 db . Wow \& Flutter: less than $0.2 \% \mathrm{rms}$. Ratio: better than 47 db . Wow \& Flutter: Iess than $0.2 \%$ rms.
Tape Speed: $33 / 4 \mathrm{ips}$. 4 -pole AC condenser motor. Wainut grain finished metal case. Brushed aluminum front panel. Size: $9 \mathrm{w} x$ $41 / 3 \mathrm{H} \times 91 / 4 " \mathrm{D}$. For 117 VAC ., 60 Hz . Imported. Wt. $10^{1 / 4} \mathrm{lbs}$. 99 R 15893 No Money Down Net 54.95

## Deluxe LAFAYETTE RK-800A 8-Track Stereo Cartridge Playback Deck



- 7 Pushbutton Functions-Play, Record, Fast - Sound-With-Sound Mixing • Stereo-Mono Switch
- Mike And Input Source Record Level Controls - Semi-siot Tape Loading

3-Digit Tape Counter With Reset Button

- Input For Record Changer, Tuner, Or Tape Deck stereo and 2-track monaural. AC convenlence outlet on rear
panel. SPECIFICATIONS: Each speaker system contains 5" coustic suspension woofer with 1 lb. magnet structure and $31 / 2^{\prime \prime}$ cone-type tweeter. Laminated heads. Power Output, Erase requency, 98 kHz . S/N Ratio, 8etter than 48db. Overall distorAmplifier input sensitivity, 250 mv (Aux, Phono Tuner). Mike input sensitivity, 1.25 mv for 0 -VU. Wow \& Flutter, less tha
 99 R 15943WX RK-520 less speakers .............. Net 159.95 $\mathrm{CrO}_{2} 60 \mathrm{~min}$. Chromium-Dioxide Tape Standard 60 min . Cassette Recorder Tape
 ume and balance controls, front panel left and right chann
mike inputs, tape recorder output jacks, ingut jacks for play
a record changer, tuner or another tape deck thry the reco a record changer, tuner or another tape deck thry the record-
er's ampliffer are provided. Records and plays back 4 -track
- Main Or Remote Speaker Outputs - Main Or Remote Speaker Outputs
- Large Illuminated Dual Record Level Meters Our exciting new professional home stereo cassette playback sound from its powerful buflit-in solid-state stereo amplififer a the 2 matching acoustic suspension speaker systems. The $\mathrm{CrO}_{2}$ bias equalizer switch permits choice of recording
either a standard cassette tape or the new improved chromiun
dioxide tapes (CrO). These tapes increase high frequency lev dioxide tapes ( $\mathrm{CrOO}_{2}$ ). These tapes increase high frequency lev
up to 8 db, and reduce inherent tape nolse (hiss). Dual c
centric centric left and right channel microphone and Input sourc record level controls permit sound.with-sound mixing. Illum
ated VU level meters, front panel stereo headphone jack, puu ated level meters, pront panen stereo headphe editing, cho
button tape controls, pause butto for cueing and
of main or remote speakers, loudness button, stereo-mo switch, separate bass and treble controls, dual concentric Forward, Rewind, Pause, Stop, Cassette.Up

응ㅇ uspension Speaker Systems
41
1

## OUTSTÁNDING FEATURES

 Sita/ $\mathrm{CrO}_{2}$ Switen on FrontPanel For Recording With
Chromium Dloxide Tape AUTO OFF POWER Aumpletely 믄
 $\operatorname{sta}\left\|\|_{\mathrm{CrO}}^{2}\right.$

LAFAYETTE'S Finest Record/Playback Stereo Cassette Decks



Handsome full-feature AM/FM Radlo Cassette Recorder. Operates on 4 "C" batteries or 117 V AC. Simple to use-no tape threading. Precision sllde rule tuning on the AM/FM radlo. Recorder features rotary controlled function knob for play, stop, rewind, fast forward. Record safety interlock button prevents accidental erasures. Swivel telescopic FM antenna and built-in ferrite core AM antenna. Handy slide control for adjusting volume. External speaker or earphone
jack. Automatic level control for perfect voice recordings. Powerful $31 / 2^{\prime \prime}$ acoustically matched speaker provides rich, full frequency sound. Integrated carrying handle, Size: $1134^{\prime \prime} \times 74 / 4^{\prime \prime} \times 3^{\prime \prime}$. Imported. Shpg. wt., 7 lbs.
27 R 01159L No Money Down*
Net 59.95
28 R 01223 Lafayette 60 Minute Tape Cassette, 4 oz. .99 99 R 62572 Extra "C" batteries (4 required) ..........ea. . . 16

# New LAFAYETTE Battery /AC Cassette Recorders 



- Instant-on Solid-State Circuitry
- Semi-slot Tape Loading
- Automatic Record Level Control "Cit patteries (included) or 117 VAC line (inc'uded. Buittin Automatic Level Control circult assures periect volce recording level regardless of volume control position. Remarkably easy to use semi-slot tape loading: there are no reels to thread. Plays back both monaural and stereo music cassettes. Piano key pushbuttons for easy selection of Play, Record, Fast Forward, Rewind, and Stop. Jacks are provided for


# LAFAYETTE RK-68 

## $24^{95}$

With Remote Control Mike

- Pushbutton Controls for Stop. Play, Record, Fast Forward, and Rewind - Record Safety Interlock

Milie pemote Control Aux, Input, and Earphone Monitor. Size: $91 / 4 x$ $51 / 2 \times 212^{2 \prime} H$. Handsome charcoal cabinet with chrome trim. Imported. Shpg. wt., 6 fbs.
99 R 15976 No Money Down*
Net 32.95
ACCESSORIES FOR ABOVE RECORDER
99 A 62572 Extra "C" Batteries (4 req.) , 3a lb
99 R 15810 Footswitch for Remote Playback. 28 R 01223 Lafayette 60 minute Tape Cassette
Net ea. 16
Net 3.95
223 Lafayette 60 minute Tape Cassette ......Net ea. . 99

## LAFAYETTE RK-225

## $44^{\text {onvy }} 95$

With Remote Mike with Stand, 4 "C" Batteries, and AC Line Cord

# NEW Solid-State Battery/AC AM/FM Radio Cassette Tape Recorder 

Make your own cassettes directly "off the air" anytime, anyplace Or, record live with the remote control dynamic mike. This fine per forming Radio/Recorder operates as a portable on $4{ }^{\prime} C$ ' batteries (included), or in the nome on 117 VAC. Record Indicater light permits speather provides Fine tone for proper recording level. $3^{\prime \prime}$ dynamic speater provides fine tone. Single function knob for rewind, stop play, Unique levers for fast forward, and record safety interlock. Bulit-In AM antenna, telescoping FM antenna, Aux, and External

- Direct Recording Facilities From AM/FM Radio to Recorder
- Semi-Slot Tape Loading
- Record Level Indicator Light
- Selector Knob For Rewind, Stop, Play
- Fast Forward Lever
- Record Safety Interlock Lever
- Built-in Telescopic FM Antenna

Speaker/Earphone jacks. Attractive black cabinet with chrome and ivory trim. Integrated carrying handle. Size: $111 / 2 W \times 6013^{\prime} M$. Im99 R 160191

ACCESSORIES FOR RK. 225
28 R 01223 Lafayette 60 Minute Tape Cassette 99 R 62572 Extra ' $C$ ' batteries, 4 req.

Net 44.95
Net ea, . 99 Net ea. . 16


## Portable Solid-State Cassette Recorder

- Record Safety Interlock Button
- Single Tape Function Control: Record Stop, Play, Fast Forward, Rewind


With remote control mike, and integrated carrying handie

So easy to use! Just snap in a cassette and you are ready to record or play. No tape to optional AC adapter instan" batteries (not included) or 117 VAC house current with optional AC adapter. Instant-on solid state circuitry. Includes dynamic start-stop micro. phone for remote control operation. Blg $23 / \mathbf{y}^{* *}$ spealer for excellent sound reproduction. nput lack for earphone or extension speaker. Built-in integrated carrying handle, \$ize:
$9 \mathrm{~L} \times 5 \mathrm{FW} \mathbf{W} 21 / 2^{2} \mathrm{H}$. Shpg. wh, 4 lbs . Imported. 99 R 15828 L

## Portable Solid-State Cassette Tape Recorders

OBttery ODerated
Extremely lightweight-carry it everywhere! Records volce and music on 2 tracks at 176 IPS with perfect fidelity. Fully transistorized for instant playback. Easy to use. No tape threading, Semi-automatic cassette Insert. Pushbutton cassette eject. Single master control starts, stops, and rewinds tape. Uses $5{ }^{\circ} \mathrm{C}$ " size flashlight cells. Recording level battery life meter, Size: $71 / 4 \times 41 / 2 \times 21 / 4^{\prime \prime}$ Imported. 27 R 48408 S Shpg. wt., 4 lbs. Net 49.95

ACCESSORIES FOR MODEL 1420 Universal Car-Mount for Carry-Corder. Size $111 / 2 \times 3 \times 51 / 2^{\prime \prime}$. Imported. 27 R 48150 Shpg. wt., $24 / 4$ lbs.
99 R 62572 "C" Type Battery, 5 required
27 R 48085117 VAC Adapter. wt., 8 oz.
Net 29.95

BP2204 Recharge. Nicad Battery Pack. Shpg. wt., $11 / 2$ tbsy 27 R 48267

Net 24.95
Model TP 86 Telephone Pickup Coil. Shpg. wt., 5 oz. 27 R48143

Net 7.95

NEW SONY. TC-60


No Money Down*

- Battery or AC Operation

Poputar priced cassette tape recorder with famous Sony performance and dependability. Operates on 4 " C " cell batteries (included) or 117 VAC. Pushbutton operation, Locking fast-forward and rewind buttons. Sonymatic automatic recording control. Separate tone and volume controls. Record safety interlock button. Solid-state circultry 7 transistors. 3 diodes. $21 / 2^{\prime \prime}$ dynamic speaker. Size: $51 / 3 \times 249 \times 934^{\prime \prime}$ mported. Shpe wt.. 5 liss,
27 R 60635L No Money Down*
Net 49.95
99 R 62572 Extra "C" Batteries- 4 req.
Netea. 16 99 R 62572 Extra 28 R 01223 Lafayette 60 minute tape Cassette
Net . 0

## AMPEX <br> MICRO-14

Battery or AC Operation


With Remote Control, Mike, Bat-
feries, Blank Cassette and Earphone

$$
595 \quad \begin{array}{ll}
\text { - } 3 \text { Digit Tape Counter } \\
& \text { Built-in Condenser Mike } \\
& \text { Levelmatic Circuitry } \\
\text { - VU Record Meter }
\end{array}
$$

Highly sensitive cassette tape recorder operates on 4 "C" batteries (Included) or 117 VAC with bulli-in AC line cord. Many outstanding features, built-in condenser mike or accessory remote control microphone; automatic record level circultry (levelmatic); 3 digit tape counter; piano key type pushbutton for record, playback, stop, fast forward, rewind, and eject; Vu level meter, and rotary tone control. large $4^{4 \prime}$ speaker. Size $101 / 4 \times 2 \% \times 7{ }^{1 / K 0^{\prime \prime}}$. Imported. Shog. wt. 7 Ibs. 27 R 230日BL No Money Down"

Net 69.95 99 R 62572 Extra "C" Batteries-4 req. ........ Net ea. . 16


$79^{95}$
No Money Down *
Deluxe performing portable cassette recorder Operates on 4 "C" batteries, 117 VAC, or in your car with optional adapter. Buitt-in Auto-Charge Circult automatically recharges NI-Cad Batteries. 6 pushbutton function controls. "Floaling" mike plugs Into Micro 14 or removes for use as reguiar remote control mike. Record level/ battery condition meter. Switchable Automatic Record Level Control. Seoarate Tone control. Size: $2334^{\prime \prime} \times 53 / 4^{\prime \prime} \times 9^{\prime \prime}$. Imported.
27 R 25554 L Shpg, wt., $91 / 4$ lbs.
Net 79.95
27 R 25513 12 DC Car Adapter Wt., $3 / 4 \mathrm{lb}$..........Net 17.95 99 R 62572 "C" type Batteries (4 req.) Wt., 4 oz . Net ea. . 16 32 R 48387 "C" type Ni-Cad (4 req.) Wt., 5 oz. Net ea. 3.90

# Deluxe Portable and Miniature Solid-State Cassette Recorders 

Concord F-26 AC/ DC Miniature Cassette Recorder

- Built-in Condenser Microphone
- Pause Control
- Automatic or Manual Record Level

Hardly larger than a cassette and the three "C" Datteries that power it, the F-26 recorder uses Integrated Circuits (IC's) for extreme rellability. High-sensitivity condenser microphone is built right into the die-cast case. Features: Pause control in the record mode; Automatic level control-a must for speech and conference recording; Manual record level control and Servo-drive motor for optimum performance. Batteries disconnect automatically when you plug in the extemal AC adapter supplied. Input: Auxillary; Output: Earphone; Size: $41 / 2 \times 77 / 4$ $\times 24^{200}$ Imported.
${ }_{27} 7^{2}$ R 35439 L No Money Down* Shpg, wt., $24 / 2 \mathrm{lbs}$. Net 59.79 99 R 62572 "C" Batteries for $F-26$ : 3 required Net ea. 16 28 R 01223 Lafayette 60 min . Blank Cassette ....... Net .. 99

## NEW! <br> MLI.

Sony/ Superscope TC-40 Miniature Battery Operated Cassette-Corder

with AC Adapter and blank cas. sette


with
Remote on/off Switch Eap. Switch Eap:${ }^{\text {"AA" }}$ Batteries

- Built-in Condenser Microphone

Fine performing miniature cassette recorder. Small enough to fit snusly into one's hand, or attaché case. Features bulit-in condenser microphone, record level and battery strength indicator, accessory remote on/off swifch (included), Sonymatic Recording control, builtin dynamic speaker. Operates In any carrying position. Dual-differential balanced flywheels ellminates variations in tape speed when TC 40 is being carried. Tape speed: $1 / / 2$ IPS. Size: $180 \times 7 \times 4.38^{\circ 7} \mathrm{D}$. Shpg. wt. $21 / 2$ ibs. Imported.
27 R 60593 L No Money Down*
Net 99.50
Model AK-2 Rechargeable Ni-Cad Battery/AC Adapter. Wt. . 1 I 1 l.
27 R 60601
26 R 01223 Lafayette 60 Minute Blank Cassette Net 99


Small enough to fit into your jacket pocket, this deluxe solid-state recorder leatures advanced integrated circuitry. Built-in condenser milke for quich, easy recording. Automatic Level Control for uniform recording at every sound level. "One-touch" pushbutton controls. Remote control cord for convenlent start/stop operation. $21 / 4^{\prime \prime} \mathrm{dy}$ namic speaker. Electronic governor controlled DC motor. Battery/ level meter. Earphone jack Speed: $17 / 8$. Includes nickel cadmlum battery pack, 4 " AA " batteries, and AC adapter, Imported. Size: $61 / 4 \mathrm{x}$ $41 \% \times 15 / 6^{\prime \prime} 0$.
27R 22015L No Money Down* Shpg. wt., 2 Ibs. Net 69.95 99 R 62580 Extra "AA" Batteries-4 req. ... Net ea. . 10 28 R 01223 Lafayette 60 min . Blank Cassette ...... Net . 99


## Solid-State AM/FM Radio Cassette Recorders and Car Players

## NFWI HITACHI KCT 1210 Battery/AC AM/FM Cassette Radio Recorder

> - Includes: Dynamic Microphone, 60 Minute Tape Cassette, Earphone, and AC Line Cord

Convenient, portable AM/FM radio and cassette itape recorder/ player let's you take your favorite music with you-anywhere. Operates on 110 VAC or 4 optional " $D$ " batteries. Solid-state circuitry and sillcon transistors ensure crisp, clear reception, permits direct radio recording. 'Levelmatic' circuitry adjusts sound to best recording level. Also features continuous tone control, speaker on/off switch, and 6 pushbutton cassette functions: record, play, stop, re wind, fast forward, and reject. Battery replacement meter. Size: $12 \mathrm{~W} \times 81 / 4 \mathrm{H} \times 33 \mathrm{~s}^{\prime \prime}$ Imported. Less Batteries, Shpg. Wt., 8 ibs.

Net 69.95
99 R 62564 'D' battery for above (4 req.) .......... Net ea. . 18

## NFW/CONCORD F104 Battery/AC FM/AM Cassette Radio Recorder

\author{

- Built-in Condenser Microphone <br> - Includes AC Line Cord, and Blank Tape Cassette
} Magnificent performing 5 watt AM/FM Radiocorder combines a highly sensitive AM/FM radio and a convenient cassette tape recorder in one handsomely styled compact unit. Operates on 117 Y 50 Hz . AC, or $6{ }^{\circ} \mathrm{C}$ ' batterles (not included) for true portability. Fea. tures AFC on FM for drift-free direct radio recording. Calibrated VU level/battery check and switchable automatic level control for dis. tortion-free recording. Built-in condenser microphone plus lack for external microphone. Pushbutton tape controls plus level and tone controls. Has built-in AM and telescoping FM antennas. Size: $113 / 4 \mathrm{x}$ $101 / 2 \mathrm{H} \times 344^{\prime \prime} \mathrm{D}$. Imported.
27 R 35413 L Shpg. wt.y 7 Ibs. $\qquad$ Net 79.95 CA- 1812 Volt Car Adapter. Shpg. wt. 1 lb . 27 R 35421 $\qquad$
$\qquad$ 99 R 62572 $\qquad$ - Net 7.95


## NEWI PANASONIC RF 7280 Cassette Recorder with AM/FM/Weather Band Radio

> - Includes: Remote Control Mike and Stand, Pre-recorded Cassette, Batteries and Earphone

## ONLY <br> $79^{95}$

No Money Down*

ONLY
$69^{95}$ No Money Down*
OnLy
795
No Money Down*


## DELUXE Player with FM/FM Stereo Radio

 Ampex Micro 44 Solid-State Car Stereo Cassette[^9]
# Solid-State Stereo Cassette Players and Recorders for the Car 

## HITACHI TRQ-206 CAR/PORTABLE CASEETE PLAYER/RECORDER



99
speakers.

## Includes

Mountins Bracket with Lock and Key, Connecting Gatio. Remote Control Microphone, Power Cerd,

- 3.Way Operation-AC, Battery, or Car Battery
- Stereo Playback in the Car and Horme Using Optional Speakers
- Monaural Record/Playback Demonstration Tape
Sensational and versatile cassetie tape system. Features special bracket for auto mounting with lock and key Included for 12 volt DC Neg. ground systems. Removable for use as a portable with lis own batteries (operates on $8{ }^{\circ} \mathrm{C}$ " Cells not included)-or operates in the home on 117 VAC 60 Hz . Built-in wide range speaker. Semlslot tape loading. Automatic stop and eject. Fast Forward and rewind. Separate Tone and balance controls. External speaker jacks for stereo. Size $91 / 2^{\prime \prime} \times 31 / 8^{\prime \prime} \times 101 / 2^{\prime \prime}$ imported. Shpg. Wt., $81 / 2 \mathrm{lbs}$.
27 R 23054 W No Money Down*
Net 99.95
Deluxe Set of 2 Rear Deck Matched Speaker Systems. Imported.
99 R 62986 Shpg. wt., 3 lbs. Imported.....................Net 9.95 99 R 62572 " C " Batteries- 8 Req. Wt. 1 ib ................ Net ea. 16


## SONY/SUPERSCOPE TC-20 CAR STEREO CASSETTE PLAYER



Deluxe stereo playback car cassette system. Features single action "Letter.Box loading" Provides instant playback at a power output of 12 -watts RMS. Cassettes can be ejected either automatically or manually. Has push-button Fast-Forward" and "Rewind": Volume, Stereo Baiance, and Tone controls, SPECIFICATIONS: Frequency Re: sponse $50-10,000 \mathrm{~Hz}_{2}$ Wow/Flutter $0.28 \%$; Signal-to-Noise Ratio 45 db; Tape Speed $1 \%$ ips. Switchable for negative or positive ground 12 VOC electrical systems. Complete with mounting bracket, hardware and head cleaning pencll. Slze: $7 K_{4} \times 27 / 8 \times 81 / 4^{\prime \prime}$. Imported. Shpg. wt., 8 lbs.
17R 50017 W No Money Down*
Net 99.95
Deluxe Set of 2-Rear Deck Matched Speaker Systems. Imported.
99 R 62986 Shpg. wit. 3 lbs.
Net
9.95

## Solid-State Stereo Record/Playback Cassette Tape Decks

## Sony Superscope TC 127 Cassette Tape Deck

## $149^{95}$

- 2 Record VU Level Meters
- 3 Digit Tape Counter
- Lockable Fast Forward and Rewind Buttons

Sony Superscope TC-160 Deluxe Cassette Tape Deck


## $199^{95}$ - Calibrated Uluminated VU-Meters <br> - 3-Digit Tape Counter <br> - Low Noise FET Circuitry

TC-160's fire features include straight-line record level controls. low-noise FIT circultry, built-in peak limiter for distortlon-free recorting, tape select switch for standard and new Chromium Dioxide cassettes, long-wearing high-performance heads with 1.5 Micron gap, stereo headphone jack with two-position headphone level switch, three-digit tape counter, callbrated illuminated VU meters, automatic eject. SPECIFICATIONS: Response, $20-16,000 \mathrm{~Hz}$, Wow \& Flutter $0.1 \%$; Signal-to-Noise Ratio $49 \mathrm{db} ; 2 \mathrm{low}$ Impedance mike inputs; 2 Aux inputs. Walnut wood base. Size: $15 \% W \times 5 \mathrm{H} \times 10^{7} / \mathrm{s}^{\circ} \mathrm{D}$. For 117 VAC. 60 Mz . Imported. Shpg. wt., $171 / 2 \mathrm{lbs}$.
27 Co627W No Money Down*
Net 199.95
NFW Professional Teac 360 Dolby Cassette Tape Deck


$249^{95}$- Dolby Noise Reduction System - $\mathrm{CrO}_{2} /$ Standard Tape Selector - Two Elevating VU-Meters

- 3 Microphone Inputs

Professional quallity Mark $X$ is designed for use with both convenllonal and the new chromium dioxide tape cassettes, with switch. selected blas. And it has Dolby noise reduction bulit-in, with its own pushbutton control and indicator light, and a tape head with an ultra-narrow 1 micron gap. The Mark $1 x$ is built like a recording console in miniature. Professional sliders on its sloping front panel give you individual control over input and output levels in each channel. And a 1 ifth slide control and third microphone jack lets you mix in a center-channel microphone for greater recording flexibility. "Endmatic" feature disengages tape and transport when each cassette ends to prevent uneven wear and tension. SPECIFICATIONS: Wow and Flutter less than $0.2 \%$ ms; Freq. Response $30 \cdot 15,000 \mathrm{~Hz}$; Signal-to-Noise Ratto better than $50 d \mathrm{~d}$; Overall distortion less than $1.5 \%$. Bias Frequency over 100 kHz ; Channel Separation better than 35 db . Inputs: Three microphone; High level and low level jacks; Outputs: Stereo line, headphone. For 117 VAC. 60 Hz . Size: 16 Wx $41 / 2 \mathrm{H} \times 105 / 8{ }^{\circ} \mathrm{D}$. Includes 4 patchcords. Imported. Shpg. wt. 15 lbs. 27 R 35405WX No Money Down

Net 249.95

The Teac 360 stereo cassette deck incorporates the Dolby system for both recoro and playback functions. Developed specifically for home lape recording. It dramatically reduces inherent noise and hiss in the recording process without altering the musical integrity of the recorded signal. The 360 utilizes a Mic/Line selecior switch. When recording trom a tuner or aux source. the signal is fed directly to the Dolby circuitry, bypassing the mike preamplifiers. Outstanding features. Unique peak recording level Indicator, expanded scale VU. meters, automatic end sensor/automatic shut off mechanism, 4 linear record level/output controls, hysteresis synchronous outer rotor moter 4 -digit tape counter, and complete compatability for conventionat, high density, high energy, or Crolyn tapes, SPECIFICATIONS: Waw and Flutter $0.13 \%$, Freq. response $30-13,000 \mathrm{~Hz} \pm 3 \mathrm{db}$ measured at -20 db . Signal-to-Noise Ratio $50 \mathrm{db}, 58 \mathrm{db}$ (with Dolby process), Inputs-mike: 600 ohms, line 0.1V. Output 0.3 V . For 117 VAC, 60 Hz . Walnut wood base. Size: $436 \mathrm{~Hz} 16^{1} \mathrm{~K}_{6} \mathrm{Wx9} / \mathrm{m}^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 14 lbs.
27R 15100wX No Money Down *
Net 279.95

## SOLID STATE CASSETTE STEREO TAPE RECORDERS

HITACHI TRQ-232 Portable Battery/Electric 4-Track Stereo Cassette Recorder


Enjoy Convenient stereo recording and playback anywhere-indoors or outdoors. Operates on $11760 \mathrm{~Hz}, \mathrm{AC}$. house current, or on standard " $D$ " type flashilght batteries (not included). Two swing. out extension cabinets each contain a 5 " speaker. Provides excel fent stereo sound reproduction and full dimensional stereo separation. Features "Levelmatic" (automatic record level control). Also has: speaker ON/OFF monitor switch; pushbutton cassette controls;

INCLUDING 1 Dynamic Mike with Remote Contral Switch, Demo Tape, AC Power Cord

- Operates on 6 " $D$ " 8atteries or 117 VAC House Current
- Detachable Swing Out Speakers
- Large Twin VU Record Level Meters
- Separate Slide Controls For Volume And Tone
two record level VU meters and remote control jack. Frequency Response: 100 to $10,000 \mathrm{~Hz}$. Speed; $17 / \mathrm{ips}$ instant-on solid state circuitry. Size: $11 \times 61 / 4 \times 83 / 4^{\circ}$. Imported. Shpg. wt., 14 lbs . 27 R 23070 w No Money Down* "D" Batteries for above (6 req.)
99 R 62564
28 R 0122360 Minute Btank Cassette Tape
Net ea. . 18
PANASONIC. RF7490 FM/AM/FM Stereo Portable Radio Cassette Recorder


With 6 "0" batteries, remote control mike, earphone and pre-recorded tape cassette

- Operates on 6 " $D^{\prime \prime}$ Batteries or 117 VAC House Current
- VU/Battery/Stereo Meter
- Continuous Tone Control
- Two $6^{\prime \prime}$ Wide-Range Speakers

In stereo cassette recorder features push-button controls, and easy change cassette pop-up for easy and convenient operation. Input for plugging in a record changer. Instant on Solld State circultry for extreme reliability and constant high-level performance. Size: $13 \frac{1}{2} x$ $11 \times 5^{\circ \prime}$. Imported. Shpg. wt., 13 lbs .
27 R 12263 W No Money Down* $\qquad$ Net 149.95
99 R 62564 Extra "D" batteries-6 req. $\qquad$ Net ea, 18

## Deluxe AMPEX 87R Wodular AM/FM/FM Stereo Cassette Recorder System

Beautiful wainut wood and smoked plexiglass cabinet houses a stereo cassette tape player/recorder, FM Stereo/FM/AM tuner, and stereo control center with 50 watts of peak music power. Positouch cassette function controls and velvet-touch silding volume, bass, and treble controls give you professional operating control with maximum ease of use. Each matching walnut grained speaker system contains a $6^{\prime \prime} \times 9^{\prime \prime}$ dual cone speaker. The 87R features switchable automatic record level control, 2 VU llluminated record meters, Inputs for magnetic phono and a 3 diglt tape counter. Size: Recorder Unit: $161 / 4^{\omega} \times 101 / 4{ }^{\prime \prime} \times 51 / 4^{\prime \prime}$; Speakers-141/2" x $9^{\prime \prime} \times 74 / 4^{\prime \prime}$. Imported. Shpe. wt., 44 lbs. No Money Down*
27 R $25588 w U x$
Net 269.95


With Purchase of 87 R
Deluxe BSR 4-Speed Auto. matic Turntable with Base, Dust Cover, and Shure Magnetic Cartridge
 and a demonstration tape

When you purchase the Ampex 87R you will recelve a certificate. Attach your warranty card to thls certlficate and mall both direct to Ampex. Enclose $\$ 5.00$ to cover postage and handling-and Ampex will ship a deluxe BSR 4-Speed Automatic Turntable Ensemble directly to your home.
Duration of special offer subject to manufacturers withorawal without prior notice.


# Reel-to-Reel Tape Recorders and Accessories 

Sony/Superscope 252 Solid-State Stereo Tape Recorder


- 2 VU Meters


## $219^{95}$

with 2 F- 25 Cardioio mitus

- 4 Digit Tape Counter
- Pause Control with Lock
- Stereo Headphone Monitor Jack
- Front Panel Sound-on-Sound Controls

Complete portable solld-state 4-Track stereo tape system. Offers many deluxe features: sound-with-sound, sound-an-sound, bullt-in amplifiers, and 2 full-range lidointegrated stereo speakers that provide exceptionally rich, beautfif sound. Take reels up to $7^{\prime \prime} .3$ speeds: $17 / \mathrm{s}, 33 / 4,71 / 2$ IPS, Vibration free motor. Stereo headphone lack, 2 record VÚ level meters, 4 -digit tape counter, Retractomatic pinch roller, and non-magnetizing record head. Power Output, 12walts IHF. Inputs 2 AUX. ( 100 K ohms), 2 mike ( 600 ohms), Response 30 to $18,000 \mathrm{~Hz}$ fi $71 / 2$ IPS. S/N ratio 50 db . Size $16 \mathrm{~K}, \mathrm{~W} \times 10 \mathrm{y}$. H $15^{\prime \prime} \mathrm{D}$. For 117 VAC 60 Hz . Imported. Shpg. wt., $331 / 2 \mathrm{lbs}$.
27 R so585wX No Money Down*
Net 219.95


Sony/Superscope 330 Solid-State Stereo Reel and Cassette Recorder. The versatile 330 offers the best of both reet-to-reel and cassette recordIng in one portable unitl At the flip of a switch, you can record and playback on elther a stereo Cassette-Corder of a reel-to reel tape deck, or record from reel-to-reel to cassette and vice versa. With the addition of a funer and record changer, the 330 is the heart of one of the most complete stereo systems you can buy. 2 wide range lid-type speaker systems are detachable for true stereo separation. Two separate Illuminated VU meters, separate tape counters for reel and cassette, front microphone jacks, speaker monitor swilich, individual right and left channel volume controls, pushbutton cassette
includes 2 dynamic mikes, 2 stereo patch cords. $7^{\prime \prime}$ empty reel, controls. Freg. Response Reel: 30 to $18,000 \mathrm{~Hz}$ $71 / 2$ ips, cassette: $50-10,000 \mathrm{~Hz}$. Inputs: 2 mike, 2 aux., 2 mag. phone. S/N Ratio-Reel: 50 db , cassette: 45 db . Size: $21 \% \times 11 \frac{18}{3}$. for 117 VaC , 60 Hz . Imported. Shpg. wi., 53 lbs . 27 R 60577wX No Money Down*
349.95

## New Concord and TEAC Dolby Equalizers <br> NEW Concord DBA-10 Dolby Tape Adapter



ONLY

- Lowers Nolse-Provides An Extra 10db of Usable Dynamic Range
- 2 VU Record Meters
- Built-in Calibration Tone-Eliminates Need For External Calibration Tape

Reduces high frequency noise and hiss that plagues wide-range open reel, cassette, and 8otrack recording at low speeds by $90 \%$ can be added to any lape deck or any self-contalned recorder with audio inputs and outputs. Includes ilne inputs, calibration meter, and all controls necessary to Dolbyize tapes. Specs: Input tmpedance: 47 k ohms, Input Sensitivity: 30 mV , Output Voltage: 0.58 V (adjustable), Output Impedance: 5,000 ohms, Frequency Response: $20-20,000 \mathrm{~Hz}$ $\pm 0.5 \mathrm{db}$, Harmonic Distortion: Less than $0.4 \%$. Noise Reduction: 8 db $5,000 \mathrm{~Hz}$. Sizes: $131 / 2 \times 31 / 2 \times 71 / 4^{\prime \prime} \mathrm{H} .117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Includes 4 patchcords. Imported.
27 R 35264W No Money Down* Wt., 53/4 1bs. ............ Net 99.79
-See Page 22 for Full Credit Details on Easy Pay Plan
Compact low priced DOL8Y NOISE Reduction unit. Recommended for use with low price stereo recorders or tape decks with audio inputs and outputs. Reduces high frequency nolse at low speeds by $90 \%$. Controls: separate left and right mecord levels. Switches: Record Calibrate (In/Out), Mode (Rec/Play), Dolby (In/Out), and Power (On/ Off). SPECIFICATIONS: Input Sensifivity: 30 mV input Impedance: 35 K ohms or greater, Output Level: $1 \mathrm{~V}, \mathrm{~S} / \mathrm{N}$ Ratio: 65 db or better. Increased S/N Ratlo: 10 kHz . 10db, Power requirements 117 VAC, 60 Hz . Power consumption 4 . Watts. Imported. Shpg. wt., $31 / 2 \mathrm{lbs}$. 27 R 15126 No Money Down.

# Solid-State 2-Channel Reel-To-Reel Stereo Tape Decks 

## Sony/Superscope 252-D Stereo Record/Playback Tape Deck



## $139^{95}$

- With Two

Walnut Patch Cords

## Wood Bate

Fine performing stereo tape deck. With self contained solld-stata stereo preamplifiers for the rcording and playback of 4 -track stereo and 4track mono thru your home hi-fi system. Two speeds: 7i/2 or 3w/ IPS. Vertical or horizontal operation. Features: sound with sound mixing, dual VU recording level meters, 3 digit tape counter, vibration free motor, stereo headphone monitor jack, single knob control, automatic tape lifter, scrape flutter filter, record interlock, non-magnetizing record head and automatic shut off. Specifications: Takes reels up to $7^{\prime \prime}$. Freq. res.: $30-18,000 \mathrm{~Hz}$ @ $71 / 2$ IPS, $40-13,000$ Hz@ $31 / 4$ IPS, Wow/Flutter $0.12 \%$ @ $71 / 2$ IPS, $0.15 \%$ @ $31 / 4$ IPS. Signal-to-Noise ratlo: 52 ob. Slize and weight: $151 / 4{ }^{\prime \prime} \times 71 / 2 "$. $13 \mathrm{hs}{ }^{\prime \prime}$ : 18 lbs . Imported. For 117 VAC 60 Hz . Shpg. wt. $207 / 4 \mathrm{lbs}$. 27 R b0569W No Money Down*

Net 139.95
27 R 60379-F98 Mike for 252-D-1 lb. $\qquad$

KLH Model 41 Dolby System 3 Head Stereo Record/Playback Tape Deck


Designed to make wide-range, noise-free recordings utilizing the Dolby Nolse Reduction System. The signal-to-nolse ratio at $37 / 4$ IPS is 66 dt , @ $71 / 2$ IPS is 68 db . With the Model 41 you can record the most demanding musical source material at $37 / 4$ IPS- doubling the amount of playing time of any reel of tape. Features: 4 track stereo record/playback, 2 record $V \mathrm{~V}$ level meters, 4 diglt tape counter single tape function control for rewind, stop, play, pause, and fast forward. Specifications: Takes reels up to 7 " Tape Speed, $31 / 4$ $71 / 2,17 / 8$ IPS, separate erase, record, and playback heads. Input sensitivity: for " 0 " VU level-Mic. 0.5 mv , Mi-Aux- 500 mv , LoAux 160 mV . Output level 2.5 V RMS, Bias Frequency-Nomínally $110,000 \mathrm{~Hz}$. Fireq. Response @ $33 / \mathrm{IPS}-50 \mathrm{~Hz}$ to $12,000 \mathrm{~Hz} \pm 3 \mathrm{db}$, © $71 / 2$ IPS -50 Hz to $15,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Size: $1136^{\prime} \mathrm{D} \times 14 \mathrm{M} / \mathrm{a}^{*} \mathrm{~W}$ : $5 \%$ "H. Shpg. wt., 22 lbs. For 117 VAC 60 Hz .
27 R 45024W No Money Down*

+ 60 Hz .
Net 199.95

Sony/Superscope 35203 Head 3 Speed Stereo Record/Playback Tape Deck


Deiuxe 3 -head four track solld state stereo/mono, record, and playback tape deck featuring sound-on-sound-Multiple recordings may be produced by combining new material with previously recorded material on a separate track. Other desirable features are tape and source monitor switches, dual VU record level meters, 4-digit tape counter, pause control, retracio-matic plinch roller stereo headphone monltor jack, and single function tape control knob. Specifications: Takes reels up to 7 ". 3 Speed- $11 / 2,31 / 4,71 / 2$ IPS. Freq. res.: 30 to $20,000 \mathrm{~Hz}$ @ $71 / 2$ IPS, Wow and flutter $0.12 \%$ @ $71 / 2$ IPS., S $/ \mathrm{N}$ ratio $52 \mathrm{db} @ 71 / 2$ IPS. Inputs -2 mike ( 600 ohms) 2 Aur. Outputs $\mathbf{- 0}^{-2}$ line 1 headphone. Size: $15 \frac{1}{6} \times 71 / 2^{\prime \prime} \times 13 \% 0^{\circ}$. For 117 VAC, 60 Hz . Imported. Shpg. wt., 30 lbs .
27 R 60551wX No Money Down*
Net 179.50
27.R 60379 F98 Mike for 352-0 Wt., 1 lb

Net $\$ 3.50$

NEW Professional TEAC-H1230 3 Head Stereo Record/Playback Tape Deck

## 

## NEW! AKAI Model 1730-SSD

- 4 Channel Stereo Record/Playback

Fine performing reel to reel tape deck has complete facilities for 4 -track 4 and 2 -channel stereo recording and playback. Connects to any 4 -channel stereo recelver or amplifier with tape input or output jacks. Features: 4 heads-record/playback and two erese; Automatic shut-off control-the power of the entire unit is shut off when tape comes to the end or is broken: Front and rear headphone jacks; 2 twin Vu meters; Pause control for editing; 4-digit index counter with reset button; and universal voltage selector. Specifications: Tape speed- $71 / 2$ \& $33 / 2$ IPS. Frequency response- 30 to $22,000 \mathrm{~Hz}$. $\mathrm{S} / \mathrm{N}$ Ratio- 50 db . Recording Blas Frequency- 100 K He .4 -mic input jacks: $0.4 \mathrm{mV} / 30 \mathrm{~K}$. 4 -Hne input jacks- $40 \mathrm{mV} / 100 \mathrm{~K}$. Hysteresls synchronous 2 -speed motor. For 100 to $240 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Size: $161 / 2 \mathrm{xl}$. x91/2". Imported. Shpg. wt. 33 lbs.

Net 299.95

## NEW! SONY/Superscope 366-4



High quallty Quadradial 2 and 4 channel record/playback stereo tape deck. Features: Automatic total-mechanism shut-offi Hyperbolic Heads which require no pressure pads; Tape/source monitoring; Record equalization selector switch; Vibration-free motor; Nolse sup pressor switch; Sound-on-sound capabillty; Servo-controlled back tenslon. Microphone/line mixing. Two stereo headphone monito jacksi Mic. \& aux. inputs. 4-digit tape counter; Speciflcations: 2 speeds: $33 / 4,71 / 2$ IPS. Response @ $71 / 2$ IPS, $20-20,000 \mathrm{~Hz}$. Max ree size, $7^{\text {it. }}$. Bias frequency, 125 kHz . Signal-to-noise: std. tape 52 db ; Low Input mike impedance. Wow $\$$ Flutter $\pi$ Ith IPS, $.09 \%$ Handsome walnut base, slanted for easy operating convenience. Size: $17 \times 18 \frac{1}{4} \times 95 / 0^{\prime \prime}$. For 117 VAC, 60 Hz . Imported. Shpg. wt. 43 lbs. 27 R 60619 wx No Money Down*

NEW! Panasonic RS-740US

## 3995

With
7" Take up Reel, Connecting Cables, Reel Holders, Splicing Tape

- 4 Channel Stereo Record/Playback


Record and playback your own 4-channel and 2-channel stereo reel to-reel tapes thru your hi-fi system with thls two-speed ( $71 / 2$ \& 33/4) tape deck. Enjoy 4 -channel sound from the growing catalog of prerecorded tapes; or record from auxiliary 4-channel sources (there are 4 -line inputs, one for each chanael) or live by using the four microphone inputs. Features: Four separate record VU meters, Hot Pressed Ferrite heads, Automatic shut off at the end of the tape, 2 Stereo headphone outputs, 4 -digit Tape counter, Tape Pause, Separate record level controls for channels 1-4. Specifications; Frequency Response $30-23,000 \mathrm{~Hz}$. at $71 / 2$ IPS. Inputs: Mic. sensitivity, 0.56 mv , Line in 30 mv . Mike input impedance, 5 K to 20 K ohms. For AC $120 \mathrm{~V}, 60 \mathrm{~Hz}$. Imported. Size; $153 / 4 \times 16^{3 / 4} \times 83 / 4^{\prime \prime}$. Shpg. Wi., $283 / 4 \mathrm{lbs}$.
27 R 12289 WX No Money Down ${ }^{*}$
Net 399.95

## PROFESSIONAL TEAC TCA-42



Complete 2 and 4 channel record/playback facilities. 4 channel solid-state playback pre-amplifiers and built-in 4 channel stereo record pre-amplifiers are external (included). 4 large illuminated VU level meters. Professional mixing cirrcuit for mike and line inputs. 4 dight index counter. Specifications: 100 kHz blas ascillator. Four heads: In-line play, in-line record, slaggered erase. Reel size $7^{\prime \prime}$. Wow and flutter $\frac{11 / 2}{}$ ips, $0.12 \%$ rms. Response: $50-15,000$ Hz at $71 / 2$ IPS S/N ratlo 50 © $71 / 2$ IPS. Inputs: 4 microphone: 10k ohms, $0.25 \mathrm{mv}, 4 \mathrm{AUX}$ : 100 ohms, 0.14 V minimum. Output: 4 line, 1 volt rms. Tape speed; $71 / 2 \& 33 / 4 \mathrm{ips}$. Size: $12 \times 171 / 2 \times 7^{\prime \prime}$ (Tape Transport); $51 / 2 \times 171 / 2 \times 7^{\prime \prime \prime}$ (hecord Pre-amps). Imported. For 117 VAC 60 Hz . Shpg. wt., 73 lbs.
27 R $15043 \times Y$ No Money Down* .............................. Net 695.00
27 R 15084 Y Tape Transport Dust Cover 2 Ibs. ... Net 20.00 27 R 15092 Y Cradle (Stand) for Teac 42. 4 lbs. .... Net 14.50
 and 4 Speakers. Play discrete 4 -channel input sources such as a 4 channel 8 -Track Tape Deck or a 4 -channel reel deck thru the RE-7750. Also has Panasonic's quadrupiex derived 4 channel circultry built-in, 4 -speaker sound separation from 2 .channel sound sources, Each speaker enclosure has a $61 / 2^{\prime \prime}$ air suspension speaker. Ampliffer provides 40 walts of peak music power. Solid-State Circultry. Built-in FM and AM antennas. Blackout and llluminated slide-rule tuning dial. FM Stereo indicator light. AFC on FM, Loudness control. Separate continuous tone controls for bass and treble. 4 separate slide lever volume controls. Output jacks for phono and 4 channel tape. External antenna and speaker terminals. in distinctive walnut wood cabinetry. Size: Amplifier, $45 / 6^{\prime \prime} \times 171 / 2^{\prime \prime} \times 11 \mathrm{~K}_{0}{ }^{\prime \prime}$,
 17 R 31140 WX No Money Down*

Net 179.95
PANASONIC RE-7750 System and LAFAYETTE RK-48 2 and 4 channel B Trach Stereo Tape peck, Same as above but with 4 channel deck Included to play new 4 channel 8 Track Stereo Tape Cartridges. (See page 3 for description of RK-48). Shpg. wt., 45 tbs,

Net 269.90
NEW!
Qaudio Compatible 2 and 4 -Channel 8-Track Stereo Playback Sound System


Provides a totally new dimension In stereo sound. The Qaudio Playback/Amplifier plays the new 4-Channel and 2 -Channel 8 -track Stereo cartridges, 4 -channel stereo tapes reproduce 4 separate sound tracks simultaneously-gives you complete multi-dimensional stereo. System comes with 4 Lafayette Criterion $2 x$ Speaker Systems. (See page 56 for description of $2 x^{\prime} s$ ). All solid-state circultry. Output has 80 watts of music power ( 20 per channel). Controls: volume, balance, rear balance, tone, bass, treble, channel select. Program and channel indicator lights, 4 play-back level meters. Size of Playback/Amplifier $183 / 4^{\prime \prime} \mathrm{W} \times 51 / 2^{\prime \prime} \mathrm{H} \times 9314^{\circ} \mathrm{D}$. Imported. For 117 VAC 60 Hz .
99 R 99939 WXM Shpg. wt., 76 Ibs. No Money Down*
Net 229.95
QAUDIO 2 and 4 -CHANNEL STEREO PLAYBACK AMPLIFIER ONly (less speakers).
27 R 52004 wX Shpg. Wt., 38 lbs. No Money Down*
Net 169.95

Lafayette RK-48
2 and 4 channel 8 -Track
Stereo Tape Deck

FM/AM/FM Stereo Radio with 4-channel amplifier

$179^{35}$
including
4 speakers


| FM/AM/FM Stereo Radio |
| :--- |
| with 4 -channel amplifier |
| $179^{95}$ |
|  |

FM/AM/FM Stereo Radio
with 2 and 4 channel
8.Track Stereo Tape Beck
2990


SEE Page 3 for Selection of 4 -channet 8 Track Stereo Tape Cartridges.

#  

Fisher CP. 1002 and 4 Channel 8 Track Solid State Stereo Tape Deck


- Compatible-Plays both 2 and 4 Channel 8 Track Stereo Tape Cartridges
$169^{95}$
Plays, both 4 -channel and 2 -channel eight-track tape cartridges. Can be used to convert your present stereo playback system to a discrete 4-channel system with the addition of a stereo amplifier and two speakers ... or it can be hooked up to a 4 -channel AM/FM stereo receiver or ampliffer such, as the Lafayette LR-440, LA-44, LA-2525, or the Fisher 701 and 601. The CP- 100 automatically switches to the correct mode ( 2 or 4 channel) indicated by red jewel lights. It has three program controls: REPEAT the same program played repeatedly CHANGE-advance to the next program each time you push the button, with your selectlon indicated by a corresponding aumbered red jewel light; CONSEC-plays continuously through all the programs and returns to the beginning. Specifications: Plays-8-track/2 \& 4 channel, Frequency Response, $50-12,000 \mathrm{~Hz}$., Tape Speed, $3 \neq \mathrm{ips}$, size $456 \times 10 \% \times 104 \mathrm{~m}^{\prime \prime}$. For 117 VAC 60 Hz , Shpg. wt., 10 lbs. 27 R 33020wx No Money Down*

Net 169.95

Fisher TX-420 2 and 4 Channel
8-Track Solid State Stereo Converter

## - T R R <br> Specialty 8 Track Stereo Tape Players and Recorders

## AKAI 2 and 4 -channel Stereo 8 Track Record / Playback Tape Deck

- Includes 4 channel cartridge demo tape, all connecting cables, and head cleaning brush


## - 4 Record and Playback Solid

## State Stereo Preamplifiers



By addition of just two speakers and the Model TX-420, all types of existing stereo arrangements-component systems, consoles or compacts-can be turned into discrete 4 -channel systems. The Dx420 Converter is compatible with units now on the markef and plays both 4 -channel and standard 2 -ehannel 8 -track tape cartridges. In addlition, it has input facilities for other 4 -channel or 2 channel sources. Tx-420 is rated at 50 watts total music power or 15 watts RMS per channel. Features front panel mounted volume, bass, treble and balance controls, Red jewel lights on the front of the walnut finish cabinet indicate the track being heard and whether 2-channel op 4 -channel is being played. Connects to present systems through the auxiliary input, tuner input or the tape input, of the existing amplifier or receiver. Size: $161 / 4 \times 111 / 2 \times 41 / 2^{\prime \prime}$. For 117 VAC 60 Hz . Shpg. wt. 18 lbs.
27 R 33012WX No Mòney Down*
Net 299.95

## 8 TRACK STEREO TAPE RECORDERS and TAPE DECKS

## PANASONIC RS-820S 3-PIECE SOLID-STATE AM/FM STEREO 8-TRACK CARTRIDGE RECORDER SYSTEM

- Each Speaker Enclosure Contains a $61 / 2^{\prime \prime}$ Woofer and $23 / 4^{\prime \prime}$ Tweeter - Handsome Walnut Wood Cabinetry
Luxurious in every way-from its distinctive walnut wood cabinetry and black and silver control panel to its magnificent sound performance. 8-Track Recorder section provides superb Record-Playback performance. Features track selector button, four illuminated track indicators, fast-forward control, accidental erasure guard, Mono/Stereo playback change-over switch, speaker switch, and two large VU Record meters. AM/FM/FM Stereo radlo features: 'Black-Out' dal face, FET tuner, AFC on FM, and separate sliding bass and treble controls. Brilliant sound is assured by 2 separate two way full range speaker systems. 32 -watt peak music power, super sensitive stereo balance control. Imported. For 110 VAC 60 Hz . Size: $201 / 9 \times 63 / 4$ $143 / 4 \sim$ D. Shpg. wt., $591 / 2$ lbs.
i7 R 31868 WX No Money Down* net 299.95



## DELUXE VIIING 811R 8-TRACK SOLID STATE HOME STEREO CARTRIDGE RECORD/PLAYBACK DECK

- 8 Track Recorder Features FAST Forward, Accidental Erasure Guard
- 2 VU Record Meters
- Hide-Away Cartridge Bin


## CONCORD MARK 8 REEL-TO-REEL STEREO RECORDER

 with Built-in 8 Track Carrildge RecorderNEW LOW PRICE 14095

Net 149.85

Only
$99^{95}$

- Fast Forward Control

Solld-State 8-Track Stereo Cartridge Record/Play Dech with fast wind permits quick selection of the taps sections you wish to hear. Two easy-see VU meters for visual indication of recording level on both channels. Separate volume controls for left and right channel, push button controls for recording and program selection. Auto-Stop swltch for shutting the recorder off when the tape reaches the end of the last track. Safety lock record button guards against accidental erasing or recording. Lighted channel indicators. Solid State circultry, 2 mike, 2 Aux input jacks. Stereo Headphone ouput. With 4 connecting cords, one head cleaning bar, $16 \% \times 42 / 2 \times 944^{\circ}$. For 117 VAC 60 Hz . Imported. 27 R 12271 Whpg. wt., $131 / 2$ lbs. No Money Down*

Net 99.95


## PORTABLE 8-TRACK TAPE CARTRIDGE PLAYERS

## Portable Battery/Electric

 8-Track Stereo Tape PlayerONLY БO95<br>With Batterles

- Includes 117 VAC line cord for home use, and a 12 V adapter cord for car or boat use.
- Instant-on Solid State Circuitry
- Slide Rule Tone and Volume Control



Truly portable! Listen to 8 -Track Stereo Cartridges wherever you go on the beach, on a picnic, in the country, or In your backyard. This deluxe Instant-on solld state 8 -Track Tape Cartridge player operates on 117 VAC or 8 " $D$ " cell batteries. Separate left and right slide rule volume controls and slide rule tone controls. Two qually hi-fi speakers assure many hours of listening pleasure. Channel sefection is automatic or manual with pushbutton and has indicator light. Highly
attractive units fold together and latch securely for the uitimate in portablity and handing. Also has high impact plastic case with modern grip-type carrying handle. Size: $11 W \times 9 H \times 61 / 4^{\circ} \mathrm{D}$. imported. Shpg. wt., $81 / 2$ lbs.
17R 69488W No Money Down*
Net 59.95
99 R 62564 " $D$ " Batteries for above, 8 req.

> Portable 8-Track Tape Player" and AM/FM/FM/Stereo Radio


## FEATURES 3-WAY OPERATION:

\author{

1) Self-Contained Battery <br> 2) 117 VAC Home Current <br> 3) 12 V DC Neg. Ground Car System
}

Deluxe alt Transistor portable 8-Track Tape Cartridge Sound System with built-In AM.FM stereo radio. Unioue player operates on 117 VAC, or on 8 "D" batteries (included). A cigarette lighter adapter cord (included) aiso permits this amazing player to be used in car and boats with a 12 VDC negative ground electrical source. Magnificent sound quallty is achleved thru use of 2 high compllance $3^{\prime \prime} \times 6^{\prime \prime}$ speakers each mounted in an acoustically matched enclosure that can be placed as
far as 5 feet apart for maximum stereo ef. fect. Also features channel selector button, channel indicator Ilghts, continuous tone control, FM stereo indicator light, bullt-in telescoping FM antenna, and left and right channel volume control. Size: $9 \times 11 \times 61 / 4{ }^{\prime 2} \mathrm{D}$. Imported. Shpg. wt., $141 / 2 \mathrm{lbs}$.
No Money Down*
17R 26397W
Net 114.95
Extra "D" Batteries, 8 required
SS R 62564
Net ea.

## Portable Auto/Home 8-Track Stereo Tape Player

- Operates on 117 VAC Household Current or Car 12 Volt Negative Ground System By Plugging Unit into Car Cigarette Lighter
- Instant-on Space Age Solid-State Circuiltry


## $79^{95}$

with 12 VDC Car Adapter. and AC Line Cord.

Completely self-contained 8 -track stereo tape cartridge player pro vides outstanding hi-fi sound reproduction everywhere. At home, all you do is plug the player into any 117 VAC electrical outlet, insert the cartridge, and sit back and IIsten to beautiful music. When you are driving, just place the player on the floor or on the seat next to you-plug the ear adapter cord (included) into the cigarette Hghter socket for hours of musical motoring. When not belng used in the car, the player can be stored in the trunk to prevent theft. Features separate shide controls for volume, balance, and tone plus a pushbutton channel selector. Two built:in $5^{\prime \prime}$ wide range dynamic speakers. Also includes external speaker terminals. Power cutput: 5 watts per channel. Size: $72 / 5 W \times 72 / 3 H \times 8^{\prime \prime} D$. Imported. Shpg. wt., 12 lbs. 17 A 44002W No Money Down ${ }^{*}$............................ Nel 79.95

Portable 8-Track Player

wI Car Cigartte Ughter Adapter


- Listen to 8-Track Tape Cartridges Wherever You Go An exciting way to listen to 8 -track stereo tape cartridges. Portable instant-on solld state tape player operates on 6 " $D$ " batteries (zot included) or may be plugged Into the cigarette lighter of any car or boat with 12 V neg. ground electrical source. Contin. wous tone control and dynamic speaker for guality sound reproduction. Earphone jack for prlvate ilstening. Channel indicator. Integrated carrying handle. Includes 6 transistors and 1 thermistor. $8{ }^{\prime \prime} \mathrm{H} \times 7^{\prime} \mathrm{W} \times 3 \mathrm{~V} / 4^{\prime \prime} \mathrm{O}$. imported. Shpg. wt., $53 / 4 \mathrm{los}$. 17 R 26330

Net 34.95
"D" Batteries. 6 required
E9R 62564
Netea. . 1 ?


## LAFAYETTE Stereo 8-Track Listening in the Car

## Deluxe LaFAYETTE "Stereo 88" Solid State 8-Track Cartridge Car Tape Player



# Renowned LAFAYETTE Hi-Fi Stereo Quality and Performance For The Car 

## $59^{95}$

## Complete with Adjustable Mounting Bracket, and all Mounting Nardware. Less speakers.

- Power Output: 12 Watts
- Instant-On Space Age Solid-State Circuitry
- Individual Illuminated Track Indicator Lights
- Pushbutton Track Selector
- Volume, Balance, and Tone Controls
- For 12 Volt Negative Ground System

Beautifully designed stereo car tape system superbly engineered to provide high quallty stereo sound playback of - Track Stereo PreRecorded lape Cartridges. Features a oulit.in Burglar Alarm System to prevent theft. The "Stereo 88 " measures only $23 / 8 \mathrm{HH} \times 7 \mathrm{~W} \times 73 / \mathrm{m}^{\prime \prime} \mathrm{D}$, and can be easily mounted under the dash of your car with at. tached adjustable mounting bracket. Fully automatic-just slip in en 8-track tape cartridge and the "Stereo 88" plays instantly. Removal of cartrloge automatically switches player off. Illuminated
track Indicator shows track that is playing. Tracks change automatically after end of each program or instantly by operating the selector button. Frequency Response: 50 to $10,000 \mathrm{~Hz}_{\text {; }}$ Signal-ToNolse Ratio: more than 40 db . Wow and Flutter: less than $0.3 \%$ 12-transistors, 1-diode, 4 -thermistors; Output Impedance: 4 -ohms. For 12 volt negative ground systems. With mounting bracket and hardware. Imported. Shplg. wt., $81 / 2$ lbs. Less Speakers. 99 R 15521 W No Money Dówn*

Net 59.95


## LAFAYETTE "Micro 8" Stereo 8 Track Car Tape Player

LIsten to beautiful 8-track stereo track cartridges in your car. Compact design permits slmple instaliation-even where space is at a premlum. Player is only $73 / 0^{\prime \prime} \mathrm{D} \times 5 \sqrt[2]{ }{ }^{\prime} \mathrm{W} \times 238^{\prime \prime} \mathrm{H}$ in size. Fully automatic operation-turns on when a tape is inserted, changes tracks automatically at the end of each progiam. A selector button permits you to instantly change tracks. Individual illuminated lights tells you which track is playing. Balance control to adjust for proper stereo channel separation. Separate volume and tone controls. Power output 10 watts. Freq. Response $30-10.000 \mathrm{~Hz}$. For 12 volt neg. ground systems. Adiustable mounting bracket. Imported.
17 R 01143 W Shpg. wt., $53 / 4 \mathrm{lbs}$.
Net 39.95
Pair of Two $3 \times 5^{\prime \prime}$ matching speaker systems
99 R 62994 Shpg. wt., $21 / 2$ lbs.
Net 6.95

## 8-TRACK Stereo Tape Players for the Car NEW! TENNA TC-82-T 8-TRACK STEREO TAPE PLAYER

## OUTSTANDING FEATURES



- Buill-in Burglar Alarm
- Self-Cleaning Tape Head
- Hidden Channel Indicator
- Fine Tuning
- Fast Forward
- Automatic Eject
- Tape Light
- Molor On/Ofl Switch
$79^{95}$
WITH ALL MOUNTING HARDWARE, LESS SPEAKERS

Deluxe, Mighty styled solld-state 8 Track Stereo Tape Player with exclting features: Bullt-in Head Cleaner cleans the head each time the cartridge is inserted; Fast Forward Button advances tape at a faster rate to pinpoint exact selection desired. Eject Button automatically ejects cartridge when ignition is shut off protecting cartridge pinch rollers. Builf-in Tape Light for easy selection reading at night. Motor Switch reduces Ignition nolse and battery drain when a cartridge radio pack is operating in the player. Theft.proof Bullt-In Burglar Alarm blows horn continuously when an attempt is made to steal a properly installed player. Fine Juning adjusts for worn or defective cartfidges, tunes out crosstalk. Hidden Channel Indicator
single channel number is Illiminated; each number in a different color. Highly Styled Side Contreds for easy Tone, Volume and Balance adjustment. Reverse polarity for 12 volf negative/positive ground cars. Also includes automatic or pushbutton track selection. Peak audio output: 14 watts. Measures only. $71 / 2 \mathrm{~W} \times 3 \mathrm{H} \times 71^{\circ} 2^{\circ} \mathrm{D}$. Frequency Response: $40-12,000 \mathrm{~Hz}$. Impedance: 4 ohms. With universal mounting bracket. Imported.
17. $\mathrm{R}^{2} 74686$ W No Money Down*, Shpg. wt., 7 lbs. .... Net 79.95

Set of 2 Matched Rear Deck Speakers. Imported.
99 R 62986 ShDR. wt., 3 lbs.

## Ranger 4 and 8-Track Solid State Car Stereo Tape Player



12Buitt-1n

- For All 12 Volt Neg./Pos. Ground Car Systems
- Thumbwheel Type Control Knobs Conform With Federal Safety Regulations
- Fully Automatic-Instant Operation
- Illuminated Channel Indicator Light


#### Abstract

A fully automatic 4 and 8 -track stereo tape player with exclusive fine taning control and built-in Burglar Alarm, Any attempt by unknown persons to remove a properly Installed player will result in setting off the buils-in alarm system-conttnuous horn blowing to scare the would-be thlef away. Handsomely styled in blact and chrome, this compact unlt measures only $27 / 8 \times 77 / 8 \times 8^{\prime \prime}$ and can be easily mounted under the dash of your car with sttached universal bracket. Fully aulomatic-no switches or lever to select choice of cartridge. Either 4 or 8 track cartridge slips in easlly and plays Instantly. Provides superb tape reproduction. Removal of cartridge automatically switches player oft. Fine tuning controi tunes out undesirable crossalk in worn or defective 8 -track cartridges by adjusting the playback head to precision alignment with the recorded tracks. Illuminatec channel indicator shows channel that is playing. Channel changes automatlcally after each program or instantly by opesating the selecfor bar. Specifications: Peak Audlo Output: 20 wates; Impedance: 4 ohms each channel; Transistors: 12, Thermistors 4; Battery drain: .75 amp ; Tone Control. For 12 volt neg./pos. ground, Imported. 17 R 74496 W Shpg. wi., 8 lbs. No Money Down* Net 74.95 Set of 2 matched Lafayette Car Speaker Systems 99 R 62994 shpg. wt., $21 / 2$ lbs. Net 6.95


Custom In-Dash 8-Track Stereo Tape Player For Volkswagen Cars


For 1967-1971 Series 1200 And 1300 Cars. Can Be Used in Prior Year VW Cars with Optional Voltage Adapter.

$$
74^{95}
$$

- Includes All Mounting Hardware and Two 4" Speakers

Customi installation. In addition when using the FM Stereo Tuner adapter listed below the 8 -track player becomes a fine performing FM stereo car radio. Pushbutton track selector or changes tracks automatically. Instant on solid state circuilry. For 12 volt, neg. ground systems, Includes two 4" speakers. Imported. Shpg. wt., 9 lbs.
17 R 26421 W No Money Down " Net 74.95 WC 8525 6-volt voltage Adapter for 1955 thru 1966 Cars. Shpg. wt., 2 lbs.
17 R 26439
Net 14.95
FMX $8<01$ Universal FM Stereo Tuner Cartridge laput. Shpg. wt., $21 / 4 \mathrm{lbs}$.
17 R 26348 L No Money Down*. Net 49.95

## 8-TRACK Car Stereo Tape Players with Built-In Stereo Radio

## NEW 8-Track Solid-State Car Stereo Tape Player With FM/FM Stereo Radio <br> (

 ONLY $89^{95}$With All Mounting Hardware, Less Speakers

- Balance \& Volume Slide Controls
- Channel Indicator Lights
- Channel Selector Button
- Channel Repeat Button
- FM Stereo Indicator Light
- Local/Distance Switch


Attractively styled 8-track car stereo tape cartridge player with builtoln FM/FM stereo radio. Incorporates the latest solid state integrated circuitry. Power output per channel is 7 watts. Features slide control for volume and balance, tone control, FM stereo indicator light, slide-rute runing, pushbutton track selector, and channel repeat button. For 12 -Volt negative ground systems, Size: $8^{\prime \prime} W \times 81 / /^{\prime \prime} \mathrm{Dx} 31 / s^{\prime \prime} \mathrm{H}$. Imported, Shpg. Wt.,
8 lDs . 8 los.
17 R $80063 W$ No Money Down
Set of two Lafayette Matched Car Speaker Systems. Imported.
Net 89.95 99 R 62994 Shpg. wt., $21 / 2$ lbs.

## Net 6.95 <br> NEW Deluxe Tenna TC83-MPX Solid-State Car Stereo Tape Player With FM/FM Stereo Radio



## ONLY 4025

With All-Mounting Hardware, Less Speakers

- Built-in Burglar Alarm
- Self Cleaning Tape Head
- Fine Tuning
- Fast Forward
- Automatic Eject
- Tape Lite


## - Separate Slide Controls for Balance, Volume, And Tone

Combinatlon of a deluxe performing 8 -track stereo car tape player and FM/FM stereo radio. Features all the latest innovations for improved 8 track listening pleasure. The FM/FM stereo radlo provides crisp, clear. static-free reception. Built-in burglar alarm helps prevent theft. Fast forward button advances tape at a faster rate to pinpoint exact selection desired. Instant on solld-state circultry. For 12 -volt negative ground
 17 R 74678 No Money Down
Set of 20 eluxe Lafayette Rear Deck Speakers. Imported. .................... 119.95 99 R 62986 Shpg. wt., 3 lbs.

## NEW "In-Dash" 8-Track Car Stereo Tape Player <br> With AM/FM/FM Stereo Radio



## CUSTOM INSTALLATION KITS

 Custom Installed Kits Are Available For Most Cars. Specify Make, Model, And Year of Car. Allow 3 Weeks For Delivery. No COD's. Shpg. wt., 2 lbs. 17 R 800892Net 6.95

## ONLY $149^{95}$

With Universal Face Plate, And Mounting Hardware

One of the most complete universal car sound systems ever designed. Includes an AM/FM/FM stereo radlo and 8-track stereo tape player in one compact case with adjustable shafts. For in-dash installation optional 14 sillicon transistors ande. Features advanced solid-state circuitry-6 IC's, 14 silicon transistors, and 14 dodes. 7 .watts output pes channel. Controls: volume, tone, balance, channel selector stereo/mono switch. Also has channel Indicator lamps, and FM stereo indicator light. For 12 Volt
 17 R 80071 w No Money Down* Shpg. Wt., 8 lbs. Set of 2 Deluxe Lafayette Rear Deck Speakers. Imported. 99 R 62986 Shpg. wt., 3 lbs. Net 149.95 9.95

## Speakers and Mounts for 8-Track Car Tape Players

LAFAYETTE "RUICK MOUNT" STEREO HIFI CAR SPEAKERS


TAPE PLAYER FLOOR AUTO MOUNT


- Adjustable-fits all Tape Players screws firmly to floor. $1^{17}$ strap holds tape players firmiy in place. Easy access to all controls. Steel construction. Size: $101 /{ }^{\prime \prime}$ " to $143 / 4^{\prime \prime}$ wide, $1034^{\prime \prime}$ long. Rear height: $534^{\prime \prime}$ ", front height $9^{\prime \prime}$. Shpg. wt., $51 / 2 \mathrm{lbs}$. 42 R 58009 W.

Net 7.95

- Handles 10 Watts

Per Speaker

- Easily Fastens to the Fire Wall, Kick Panel or Under Seat

Quallty pair of $51 / 2^{\prime \prime}$ speakers with 5.5 oz ceramic magnets, and cloth roll suspension for true hi.fi sound in the car. Impedance, 8 ohms. Will mount in minutes. No holes to cut or saw. Just drive screws through the convenient flanges on the outer plastic grill. Includes wire, hardware, and illusfrated mounting instructions. Wt., 6 lbs.

## CAR SPEAKER SWITCH



Now ese your car radio speakers to play your steres tape player. No need to buy additional speakers. Comes complete with wire, chrome plate, and mounting instructions.

32 R 01977 P....... Per Pair Net 14.95 i7 R 63036 Shpg. wt., 4 oz . 2 . Net 2.95
17 R 63036 Shpg. wt., 4 oz. 2. Net 2.95

## PAIR OF TRUSONIC DIE-CAST STEREO HI-FI SPEAKERS FOR THE CAR

- Power Handling: 12-Wats
- For Door or Rear Deck Mounting
- Frequency Response: $50 \cdot 18,000 \mathrm{~Hz}$

With crills and Mounting Hardware

95
Pair

The uftimate in auto sioaker design. Powerful $5^{-}$fuli-range speaker delivers brilliant clean highs to $18,000 \mathrm{Mz}$ and deep solid bass down to 50 Mz . Features rigid die-cast frame, free cone suspension, 2 ib . magnet structure and $\mathbf{1}^{\text {" }}$ edge wound wire ribbon voice coil. Handes 12 full watts of power. Custom mounts in door panels or on rear deck.
32 R 49489 2-Speaker Kit. Shpg. wt., 8 lbs. $\qquad$ Net 29.95

## UNIVERSAL Lock Mount For Car Tape Players



- Remove Your Tape Player When Your Car is Unprotected
Prevent the theft of your car stereo tape player. Makes your player removable. Takes minutes to iastall. Adjustable mount adapts to car stereo tape players or CB transceivers. Once Installed, no screws or wires are needed to disconnect player from mount. Plugs in and locks. For 6 or 12 V . neg or positive ground, Dim.: $61 / \mathrm{W} \times 71 / 40 \times 1 \mathrm{H}$.
17 R 63010 Shpg. wt., $21 / 4$ Ibs. Net 7.95


## REPLACEMENT GRILLS

FOR CUSTOM CAR SPEAKERS


For $5^{\prime \prime}$ speakers. Two types to choose from: periorated steel or black molded plastic Supplled with all necessary hardware. Shpg. wt., 1 lb .
Perforated steel-diameter $53 / 4 \mathrm{~m}$
32 R 49547 . Net . 99
 32 R 49554

Net .88

LAFAYETTE Speakers for B-Track and Cassette Car Stereo Tape Players

## "VARY-MOUNT" FLUSH MOUNTING SPEAKER

## PAIR OF $3 \times 5$ UNDERDASH MATCHING SPEAKER SYSTEMS



95


CUSTOM INDOOR SET OF FOUR SPEAKERS \& MATCHING GRILLES


Ready for quick installation. Improves the sound of any car tape player. Eit includes: four $43 / 4$ extended range 8 -ohm PM speak. ers; four round custom mount Plastic speaker grills; hookup wire with solderless connectors: mounting hardware and easy instructions. imported. Wt., $31 / 2$ tbs.
99 R 62 261
Net 8.95
> deluxe pilr of REAR DECK MATCHING SPEAKER SYSTEMS


Set of two powerful $4^{\prime \prime}$ speakers mounted in handsome ebony plastic cabinets with sllver trim. Designed to mount on car's rear deck. 5 watts peak handiling power. Provides outstanding sound reproduction. Includes all vecessary cables and mounting hardware. Imp 8 ohms. Wt., 3 tbs.
59 R 62986
Net 9.95

## Accessories For Car 8-Track Stereo Tape Players

## NEW <br> Deluxe Lafayette Home Power Supply For Car Tape Player



Double the use of a car stereo tape player, car radio, or mobile $C B$ transcelver by using it in your home or office. Converts 115 volts AC to 12 volts DC. Handles a load of 4 amps. Features on/off switch, heavy duty color coded binding posts, neon indicator IIght, and accesstble fuse in front. Black metal cabinet. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Sl2e: $454 \mathrm{WW} \times 61 / 2 \mathrm{D} \times \mathrm{J}^{\prime} \mathrm{H}$. Shpg. wi.. 6 lbs.
17 R 01945

## MOBILE BURGLAR ALARM FOR CAR TAPE PLAYERS AND RECORDERS



- Prevent Theft of Your Equipment
- Solid State Integrated Circuit
- For 12 V. Neg or Pos Ground

Burglar alarm connects to your hom and Tape Player or 2-Way Radio. Horn automatically blows when someone tries to steal equipment. Two-way switch permits you to remove your unit without sounding alarm. Features rellable, solid-state ic circuitry. Complete with instructions, wire and mounting hardware.
42 R 71011 Shpg. wt., 4 oz. .... Net 4.95

## CARRYING CASE FOR <br> 8.TRACK TAPE CARTRIDGES

- Holds up to 10 Cartridges
$2^{95}$

Keep tape cartridges for your car neat, orderly, dust free. Compact. $9 \times 6 \times 6^{-}$case stores 10 tapes of any standard brand. Shpg. wt. $13 / 4 \mathrm{lbs}$.
28 R 20124
Net 2.95

UNIVERSAL POWER CONNECTOR HARNESS FOR CAR TAPE PLAYERS


Ideal for installing tape players in cars Features one plug-universal to all car stereo tape players. Inline fuse holder and speaker leads. Complete instructions for: 5 pin, 4 pin, 4 pin "Y"', and 4 pin "odd" connecthons. Shpg. wt.', 6 ozs.
17 R 63028
Net 1.95

## AUTOMATIC 4-TRACK TAPE

 CARTRIDGE ADAPTER

- Permits 4-Track Tape Cartridges To Be Played on 8 Track Tape Players

Universal adapter that turns any 4-track cartidge into an 8 -track cartridge. Simply Insert adapter into your 4-track cartridgecan easliy be moved from cartridge to cartridge. Shpg. wt., 602.
17 R 26132
Net 2.95

UNIVERSAL FM Stereo
Tuner Cartridge


Converts Stereo 8-Track and 4-Track Car Tape Players Into an FM Stereo Radio

- FM Stereo Indicator Light
- Built-in AFC

Listen to full dimensional FM stereo radio broadcasts in your car. Inserts into your car tape player just like a regular tape cartridge. Requires a 9 volt battery (not in. cluded). Features instant-on solld-state clr. cuitry, FM stereo indicator light, built-in AFC to prevent station drift, roll-bar FM tuning, and an auto-y antenna. Size: $71 / 2 x$ $31 \mathrm{~K}_{0} \times 7 / 8^{\prime \prime} \mathrm{D}$. Imported.
17 R 43053 L Shpg. wt., 1 lb. Net 29.95 99 R 602129 V Bat. for above Net 29

> FM TUNER CARTRIDGE FOR 8-TRACK CAR TAPE PLAYERS


- Turns Your 8-Track Tape Player Into an FM Car Radio

Converts any car, boat or home 8 -track tape player to an FM radio with full, rich sound. Solid state circuitry with 8 transistors. Bulltin AFC locks in stations. Precision slide rule tuning dial. Tuning range: $\mathbf{8 8 - 1 0 8} \mathbf{~ M H z}$. Im. ported. Shpg. wt., 1 \%/4 tbs.
17 R 61006 L
Net 19.95
99 R 60212 Extra 9V battery Net 29

## DELUXE CARRYING CASE FOR 8-TRACK TAPE CARTRIDGES

## - Holds Up To 24 Cartridges



Deluxe Lafayetle all wood carrying case. Measures $171 / 2 W \times 61 / 2 \mathrm{H} \times 71 / 2{ }^{\prime 2} \mathrm{D}$, Black simulated alligator vinyt covering. Felt inserts, brass fasteners, and handle. Shpg. wí. 41/4 lbs.
28 R 78064W
Lafayette Stocks A Complete Line Of Tape Accessories

## 8-Track Recording Tape, Test Tapes and Accessories

## Lafayette 8-Track Cartridge Mylar Recording Tape



Continujus loop 8-track cartridges well lubricated to preserve tape IIfe. Fits all standard 8-track recorders and players. With UNI-tenslon pressure pads, precision molded tape guide. Shpg. wt., 6 oz .

| Stock | Record | Ne! Ea. |  |  |
| :---: | :---: | :---: | :---: | :---: |
| No. | Time | 1.5 | 6.11 | 12 up |
| 28 R 01421 | 35 Min. | 1.69 | 1.49 | 1.29 |
| 28 R 01439 | 70 Min | 1.95 | 1.79 | 1.49 |
| 28 R 01355 | B0 Min. | 2.25 | 2.05 | 1.85 |

## Lafayette 8-Track Tape Head Demagnetizers



A must for all owners of 8 .track tape cartridge recorders and players. Removes excessive magnetic build up on heads. Use after every 15 hours of player use. Shipg. wto, $3 / 4 \mathrm{tb}$. Imported.
For 117 VAC Home Players
99 R 15091
Net 3.95
For 12 VDC
Car Players $\qquad$


#### Abstract

$\qquad$


 …..... $n$For 12 VDC
99 R 15422
Net 5.95

## Scotch 8-Track Cartridge <br> For Extra Reliability



As Low As

For use with all standard s-lrack stereo tape recorders. 1 mil tenslized polyester. includes cardboard storage half box and indexing label. Shpg. wt., 602.

| Stock Ho | Type | Recorrd |
| :---: | :---: | :---: |

28 R 33481 S-8TR-40 40 min. 2.171 .97
28 R 33499 S-8TR-80 $80 \mathrm{~min} .2 .53 \quad 2.27$

## Non-Abrasive 8-Track Head Cleaning Cartridge



29

A safe, non-abrasive method of cleaning your tape head and capstan. Removes dust, oxide, frit and other foreign matter, assuring maximum fidelity and performance. Complete cariridge and special cleaning liquid. Easy to use. Shpg. wt., 602.
28 R 78122


Tape Cartridge Home Storage Cabinet
or on
Economy and styling afe comblned in this new cabinet. The one piece molded insert stores tapes in individual compartments and assures neat stocking and easy cataloging of tities. Size $24 \times 37 / 2 \times$ $71 /$ "̈ $^{\prime \prime}$. Shpg. Wt, $51 / 2$ lbs.
28 R 78130 W
Net 7.95
Lary Susan Type 8-Track Tape Cartridge Storage Rack ONLY


- Holds Uf Tóo 48 Tapes
- Lay Susan Type Base

Easy access to your 4 and 8 -track tape cartridge. No more misplaced tapes. Attractively styled wood and masonite storage rack with simulated walnut vinyl finish. Has "Lazy Susan" type base. Holds up to 48 tapes, Size: $91 / 2 \mathrm{~W} \times 91 / 2 \mathrm{O} \times 121 / 2^{\prime \prime} \mathrm{H}$. 20 R 78049w Shpr. wt., 5 lbs. Net 10.95


The ultimate in tape storage seaturing a true wood finish hinged drop down door and molded insert which stores tapes in individual compartments. Construction similar to fine speakers. Size $24 \mathrm{~V} / 4 \times 63 / \mathrm{s}$ $\mathrm{x} 111 / \mathrm{A}^{\mathrm{m}}$. Shpg. wt., $81 / 2 \mathrm{lbs}$.
28 R78148W

## ROBINS <br> CASSETTE AND CARTRIDGE RECORDER|PLAYER TAPE ACCESSORIES



CASSETTE AND CARIRIDGE BULK TAPE ERASERS. Removes recorded sound from the entire tape in seconds, restoring tapes to "like-new" blank condition to a lower level than that of your recorder. Now erase permanently recorded cassettes when desired. Operation: 110 V . $50 / 60 \mathrm{~Hz}$ AC.
(A) TMC-1 for Cassettes. Shpg. wt., $21 / 2 \mathrm{lbs}$

28 R 72265
Net 13.20
(日) TMC-2 for Cartridges.
28 R 72273 Shpg. wt., 4 lbs. Net 19.79
(C) TMC-3 UL listed Professional Bulk Eraser for Cartridges, Shpg. wt., $93 / 4 \mathrm{lbs}$.
28 R 72281 No Money Down Net 36.40

CASSETTE RECORDER ANO CGRTRIDGE PLAYER HEAD DEMAGNETIZERS. Recommended by equipment manufacturers to remove exces. sive magnetic bulid-up on heads. Use every $15-20$ hours of player use. Bullt-Into Cassette and Cartridge.
(D) T0-10 for Cassette Players. Bulit-in pllot light. $110 \mathrm{v} ., 50 / 60 \mathrm{~Hz} \mathrm{AC}$. Wt., 7 oz . 28 R 72299 Net 6.19 (E) $\mathbf{1 0} 0.12$ for Home Cartridge Players. 110 V . $50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 11 oz . 28 R 72307

Net 8.39 TD. 15 for Auto Cartridge Players. (Not illus.). 12 Volt DC model. Wt., 1002. 28 R 72315

Net 10.49


CASSETTE TAPE SPLICERS. Professional edit ing and repairing of Cassette .150 tapes are now possible. Strip in sound effects and passages into existing tapes, repair broken tapes, etc
(F) IS-115 Economy model "Cut-N-Splice." Cuts at $45^{\circ}$ angle. 25 pre-cut, self-stick splicing patches included. Shpg. wi., 502. 28 R 72356

Net 2.98
(G) TS-215 Precision pocket size splicing block with choice of either $45^{\circ}$ or $90^{\circ}$ angle cut. Block comes in self-contalned plastic carrying case with cutting blade and 25 pre. cut splicing patches. Wt., 5 oz .
20 R 72364
Net 6.29
CASSETIE AND CARTRIDGE TEST STROBES. With Strobe Tape and Light bultt-in. Check your player/recorder for proper speed. Too fast produces flutter. Too slow, creates tape drag or wow. 110 V. $50-60 \mathrm{~Hz}$. A.C.
(J) TSC-9 Cassette, Shpg. wt., 6 oz .

28 R 72414
Net 4.10
(k) TSC-8 8-Track Cartridge. Shpg. wt., 801 . 28 R 72422

Net 4.95


TSK-2 CASSETTE SOUNO SALVAGE KIT. (Not illus.) Restore valued recorded tapes in broken or damaged Cassettes to original operating state. Kit has complete Cassette housing and parts with simple lliustrated instructions for salvaging tape and assembling cassette.
2 R R 72562 Shpg. wt., 4 ozs. Net . 75 ISP. 140 CASSETTE SENSING AND CUEING TAPE, (Hot lllus.) Aluminum foil tape can be cut to any length and placed on any desired section of cassette tapes to cue automatic stop, reverse, and other electronic sensing controls. $140^{\circ \prime} \times 150^{\circ} \mathrm{L}$.
28 R 72570 Shpg. wt. 3 ors.... Net 1.69
(H)TCC-g"CARTRIDGE" COMPACT CARRYING CASE. Attractive, low cost, heavy duty vinyl, alligator graln, carrying case. Stores 128 track cartridge tapes. Ideal for home, auto, outdoors.
28 R 72588 Shpg. wt., 1 lb. Net 3.29 TT-15 Splicing patehes for splicers. Pre-cut, self-stick. Pkg. of 100. Wt., 202.
28 R 72380 (Not illus.) .............Net . 99

TBT-8 "PRE-TEST" 8-TRACK CARTRIDGE. (Not illus.) Special limited length blank test tape permits rapid check of recording program. 28 R 72612 Shpg. Wt., 601 Net 2.19 TRL. 8 g-TRACK CARTRIOGE TITLE LABELS. (Not lllus.) Replace worn labels. Color-code tapes by category. Package of 20 , self-stick. in 5 colors.
28 R 72620 Shpg. wt. 402.
Net 1.25
IHC-7 CASSETTE HEAD-KLEEN TAPE. (Not il lus.). Safely cleans and polishes player heads, Removes accumulated oxides and other particles to maintain top sound per. formance. Shpr. wt., 3 oz.
28 R 72349
Net 1.25
TCW-2 CASSETTE TAPE TENSIONING WINDERS. (Not Illus.) Set of two winders. Insert in holes of Cassette. Winds in either direction to take-up slack and unravel tape. $28 . R 72398$ Shpg. wt., 3 oz . Net .99. TTK- 1 CASSETTE RE-RECORD KIT. 50 reusable plastic erase control tabs to replace removed tabs of permanently recorded cassettes. Handy toot and instructions for simple insertion. Can be removed and replaced at will. Shpg. Wt. 6 02.
28 R 72646 (Not illus.)
Net 99
(l) TKa CASSETTE AND CARTRIDGE PLAYER/ GECORDER HEAD-KLEEN KIT. 2-02, bottles of Head Cleaner, Mead and Guide Lubricant, and 25 extra-long Cleaning Swabs for cleaning and lubricating hard to reach parts of equipment. Shpg. Wt., 1102. 28 R 72406

Net 1.49

(L) PHONE PICK-UP TRP-4, Record phone conversations with friends and relatives. Attaches by suction cup to receiver of phone. Plug attached. Simple, easy to use.
28 R 72430 Shpg. wi., 5 oz. Net 2.95
(M) TCA-8 8 TRACK CARTRIDGE TAPE ALBUM. Stores 88 -track cartridges in their original canisters or packs. Ideal for bookshelves. 28 R 72596 Shpg. wt., $11 / 2$ lbs. Net 3.69 (H)TK-36 CASSETTE TAPE EDITING KIT. Has TS-115 "Cut-N-Splice" splicer; 25 splicing patches, JCW-2 cassette tape tension winders supply of TCL-20 color-coded self-stick cassette replacement title labels, TL-80 color-coding numbered index spots, and ICL. 30 color coded owner identification cassefte end labels. An excellent value.
28 R 72604 Shpg. wt., 8 oz . Net 5.69

(O)-TSA-IW BOOK TYPE C CASSETTE STORAGE AiBUM. Holds 12 Cassettes neatly in reces. sed compartments. Decorative walnut grain cover. Extra sturdy construction. Shpg. Wt. 1102.

2日R 72752
Net 2.19

TCM-1 CASSETTE MAINTENANCE AMD STORAGE CASE. Hold 10 Cassettes. Head Demagnetizer, "3-in-One" Head Clean and Test Tape, 240 Color-Coded Index Spots and Log Book. Shpg. wt., 1 lb .
28 R 72471 (Not illus.) Net 10.99

(P) CASSETTE AND CARTATEGE COLOR-CODE LOG KIT. TK-35. Catalog and index your tapes by category: Red-Jazz, Yellow-Shows, etc. Kit contains: 120 page log book. 240 numbered index spots in 2 sets, 120 title labels. all self-stick, in 5 basic Colors.
28 R 72539 Shpg. wt.0 3/4 lb. Net 3.29 (C) CASSETTE COLOR-CODE REPLACEMENT TIFLE LABELS, JCL-20. Self-stick, die.cut to fit Cassettes. Pkg. of 20 in 5 Colors.
28 R 72547 Shpg. wt., 3 oz. Net 95
(R) CASSETTE OWNER IDENTIFICATION ENB Labels, TCL-30. Printed "Property of-." Apply to Cassette end for identification of ownership. Package of 30, self-stick. 28 R 72554 Shpg. wt., 2 oz. Net 89 TC-2-12 CASSETTE STORAGE CANISTERS AND UTILITY 80xES. Two piece, rigid styrene Canisters for safe storage of Cassettes. Built-In lape stops. Package of 12 boxes. Shpg. Wt., 1 lb
28 R 72760
Net 1.58

# PRIF-RIFCORDED STERED 8 Track and Cassette Tapes 

# BIG NAME Pre-Recorded Long Play 8 Track Stereo Tape Cartridges <br> 34 

## 8-Track Stereo Cartridge Best Sellers

## 20 R 44025 Frank Sinatra-Nevertheless I'm in Love with You.

 24 44033 Sergio Mendes-So Nice28 R 44041 Nat King Cole-Love is a Many Splendored Thing. 28 R 44058 Nat King Cole-Stay as Sweet os You Are. 28 a 44066 Dean Martin-Young and Foolish.
28 R 44074 Dean'Marilih-I Can't Give You Anything But Love.
28 月 44082 lackie Gieason-The More I See You.
20 R 44090 Pete Fountain New Orleans Style.
28 R 44100 Harry James- You Made Me Love You.
28 R 44116 Glen Campbell-A Satisfied Mind.
28 R 44101 Patsy Cline-I Can't Forget You.
28 R 44199 Tennesse Ernie Ferd-I Can't Help it If I'm Still in Love with You.
28 R 44231 Today's Pops 2-Midnight Cowboy; Raindrops Keep Falling, lean, plus others.
28 R 44249 Today's Paps "3-Bridge Over Troubled Waters. If I Were A Carpenter, Kentucky Rain, plus others.
20 R 44264 The Music and Songs from Hair"
28 R 44272 Johnny Cash I Walk The Line, Born To Lose, Cry, Cry, Cry, Straight A's in Love.
28 R 44322 Sounds of the Woodstock Age-Sung and Played by Tribe. 28 R 44314 David Clayton Thomas-The Super Volce of Blood, Sweat and Tears, and Linda Ronstadt \& the Stone Poneys.
28 R 44280 Rod McKuen-Love's Been Good to Me.
28 R 44306 Get Together-Snowbird, We've Only Just Begun, Candida, Look What They've Done To My Song, and others. Played and Sung by the Young Lovers.
28 R 44298 The Guess Who-wild One, Pretty Blue Eyes, Don't Be Scared, Shot of Rhythm and Blues.
20 R 44173 Hank Locklim-Queen of Hearts, Lessons In Love, The Red Mose, I Always Lose.


2: 144355 The clen Campbell Album-Only the Lonely, That's All Right, Woman's World, same Old Places, plus more. Wood'stock-Vol. III
28 R 44363 Woodstock-Vol. III
28 R 44371 Nancy Wilsen-Goin' Out of My Head, The Shadow of You Smile, Yesterday, Uptight, and I Love Him, plus more.
28 \& 44389 Johnny Cash-Rock Island Line, The Wreck of the Old 97, Come in Stranger, Hey Porter, I Heard that Lonesome Whistle.
28 R 44397 Love Story-MeLachrino Strings.
28 R 44405 Jesus Christ Superstar-Musical Excerpts from the Rock Opera. I Don't Know How To Love Him and Others.
28 R 44413 Tribes Sing-the Creative Genius of George Harrison/ John Lennon/Paul McCartney-Let It Be, My Sweet Lord, Why, Something, Isn't it a Pity, Junk, plus more.
28 ) 44421 Beach Boys-Famous Hits.
28 © 44439 Tennesse Ernie Ferd-Jisus Loves Me - Onward Christian Soldler, Shall We Gather at the River, plus more.
28 R 44447 Tennesse Ernio Fore-Standing In the Need of Prayer.
2. R 44.454 The Four Seasons - the Bratherhood of Man.

20 R 44462 Roger Miller-Engine, Engine 9.
28 R 44470 The Cowsills-The Serendipity Singers - The Mindbenders The Lincoln Park 200
28 R 44388 Big Bands-Orlginal Big Band Theme Songs Played by the Original Artists-Benny Goodman, Harry James, Les Brown, Glen Gray, and others.
28 R 44996 Lynn Anderson-Flower of Love, Games People Play, Okie from Muskogee, Stand By Your Man, and others.
28 R 44504 Hank Thompson-Simple Simon, Simple Heart
28 R 44512 Merte Haggard/Bonnie 3wens-That Makes Two of UsI'll Take a Chance, I Wanta Live Again, Forever and Ever, Stranger in My Arms, Ples more.
28 R 44520 Buck Owens-If You Ain t Loving.
20 i 4453 Guest Stars of the "Hee Haw" Show-Buch Owens, Faron Young, Ferlin Husky, Sonny James, Wynn Stewart, George Jones.

## BIG NAME Pre-recorded Stereo Cassette Tapes



28 R 37003 Dean Martin-You Can't Love Em All
28 : 37011 Gien Campbell-A Satisfled Mind 28 R 37029 Sergio Mendes Trio-- So Nice 28 R 37037 Frank Sinatra-Just One of Those Things
28 a 37045 Buck owens-If You Aln't Loving
28 : 37052 Sunny James invisible Tears
28 R 37060 Jackie cleasen-Plays Pretty for Pretty People
20 R 37078 Rod McKuen-About Me
26 . 37086 Patsy Cline- In Care of the Blues Average Shipg. wt., $2 \mathbf{o z}$.

## Lafayette Stereo Check Out and ve Demonstration Tapes

295


- Excerpts From Gayne Suite
- Tests and Balances Your Equipment
- Separate Tapes For 8 Track, Cassette, Reel to Reel

Every owner of a 2 channel stereo Tape Recorder or Tape'Dech should have one or all of these tapes. Tests and balances your equipment for optimum audio reproduction. Test portlon of tape includes speaker phasing, channel separation, balance, and wow and flutter checks. Demonstration portion of tape includes sound effects and excerpts from Gayne suite by Khachaturian. Average Shpg. wt., 10 oz.

Stock No.


# Accessories For Cassette Players and Recorders 

## DELUXE CASSETTE TAPE STORAGE CABINET



- Holds Up To 36

Cassettes

- Store in Bookcase or on Wall, on Top of Desk or Stereo 95 Cabinet

Economy and styiling are combined in this new cabinet. A one plece molded insert stores tapes in individual compartments and assures neat stocking and easy cataloging of tities. Size: $21 \times 23 / 4 \times 81 / 6^{\prime \prime}$. Shpg. Wt., 4 lbs . 2 2R 78155

Net 7.95

## LAFAYETTE CASSETTE DEMAGNETIZER



New low price $3^{95}$

In normal use, bulld-up of residual magnetism is unavoldable, resulting in loss of fldellity. This cassette demagnettzer will remove It to restore frequency response and Improve sound performance. Operates on 110 V 50.60 Hz . AC. With pilot light. 1 m . ported.
99 R 16057 Shpg. wt., 8 oz. .... Net 3.95

## TELEPHONE PICKUP COIL

## $2^{98}$



Extremely sensitive toop type telephone pick. up coll for use with recorders, ampliflers and dictating machines. Loop easily slips on ear plece of phone. 3 ft . shlelded cable with miniature $1 / \mathrm{g}^{\prime \prime}$ plug. Imported. Shpg. wt., 602.

28 R 65129
Net 2.98

## CASSETTE HEAD CLEANER AND TEST TAPE



## 3-in-1 Cassette

1) Tests for Proper Head Alignment
2) Tests for Stereo Balance
3) Cleans Tape Head

Keep your cassette player sounding like new with this professionally calibrated test tape. Cleans tape heads to restore fulf richness of tone. Checks for proper alignment of heads to ellminate crosstalk. Checks for proper balance and equalization of channels. Shpg. wt. 302.
20 R 92024


Altractively styled wood and masonite cassette cartridge storage rack with simulated walnut vinyl finish, Has "Lazy Susan" type base for easy access to your cassettes. Size: $77 / \mathrm{mx7} / \mathrm{s} \times 10^{\mathrm{H} H}$. Shpg. wt., $31 / 4 \mathrm{lbs}$.
28 R 78056W
Net 10.95

## AMPEX DEMAGNETIZING/ CLEANING CASSETTE

## $4^{95}$



Cleans and demagnetizes cassette recorder heads and guides in one brief pass through the recorder. Since it requires no power, fits all cassette recorders including slotloaded ones. Non-abrasive cleaning tape won't damage tape heads.
26 R 54008 Shpg. Wt., 4 oz..... Net 4.95
LAFAYETTE FOOT SWITCH


Ideal for Stenographic Transcribing
Gives your cassette recorder the versatility of a dictating machine. Plays when the foot switch is depressed, stops when released. Simply plugs into "remote" jack. 5 ft, cable with micro-miniature plug. Imported. Shpg. wt. $3 / 1 \mathrm{lb}$. wt.R
998810

Net 3.95

## NOM-ABRASIVE CASSETTE TAPE HEAD CLEAMER



- Cleans Head With Mini-
mum Wear

A safe non-abrasive method of cleaning your tape head and capstan. Proper use will remove dust, oxide, grlt and other forelgn matter assuring maximum fldelity and performance. Comes complete with cassette plus stereo tape player cleaning solution. shpg. Wt, 502
28 R 78163
Net 1.29

## TAPE HEAD CLEANER

## 99c

## 5vis?

atrinetine
Use in any cassette recorder, removes coatIng deposits from tape heads, restores both volume and high frequency response. Can be reused many times. Shpg. wt., 701. 28 R 16015

## Lafayette Blank Tape Cassettes

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

Lafayette's cassettes are made by outstanding nationally known manufacturérs. It is first quality, trouble 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 within 30 days and we will refund your moneyless only transportation charges. You are the sole judge.


## LAFAYETTE STANDARD BLANK TAPE CASSETTES



## CRITERION DELUXE BLANK TAPE

 CASSETTES

- Head Cleaning Tape on Each Cassette - Super-Calendered Tape to Minimize Wear and Improve frequency Response
- Sensing Foils to Actuate Machines with Reversing Mechanisms
- With Plastic Album Storage Box

Lafayette's best recording tape cassettes manufactured to our spect fications, with extra deluxe features. Deep lubricated, super-calendered tape in an improved black plastic cassette, minimizes tape head wear and provides better low and high frequency response. Head cleaning tape at one end removes accumulated material from recorder heads. Sensing foils at each end actuate recorders having automatle reversing capabilities. but may also be used on all cassette recorders. Comes in hard plastic album storage box. Imported. Shigg. wt., 5 or.

|  |  |  | NET EACH |  |
| :--- | :---: | :---: | :---: | :---: |
| Stock No. | Model No. | Playing Time | $1-9$ | 10 up |
| 28 R 01298 | C-30 | 30 Minutes | 1.09 | .99 |
| 28 R 01306 | C.60 | 60 Minutes | 1.29 | 1.16 |
| 28 R 01314 | C-90 | 90 Minutes | 1.99 | 1.79 |
| 28 R 01322 | C-120 | 120 Minutes | 2.99 | 2.69 |

## ADVOCATE CROLYN CASSEITES



- Increases High Frequency Levels

C-60

- Reduces Inherent Tape Noise
$2^{99}$
A revolutionary 60 minute cassette recording tape using a chromlum based coating rather than iron based coatings found in conventional tapes. It can be used in standard recorders to increase the high frequency level up to 8 db , reduce tape hiss, and provide an exciting experlence in high fidelity listening. Hard plastic storage box. Shog. wt., 4 oz .
Shpg, Wt., 4
28 R 47002
Net ea. 2.99
C-90 CROLYM CASSETTE. Same high quality chromium lape as above in a 90 minute cassette. Shpg. wt., 502.
28 R 47010
Net 3.74
CASSETTE TAPE SPLICER


Sturdy precision instrument for use in all splicing and editing of cassette tapes. Imported. Shpg- wt., 7 oz . 99 R 15992

High quality tape assures full fldellty recording. Records and plays 2 -tracks at $17 / 3$ ips. Super strong polyester base. Proper lubrication for longer tape life. Protects heads. Imported. Shog. wt., 402.

| Stoch Ne. | Model No. | Playing Time | $\begin{gathered} \text { NET } \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & \text { IO UP } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 28 R 01280 | C-30 | 30 Minutes | . 79 | . 69 |
| 28 R 01223 | C. 60 | 60 Minutes | . 99 | . 89 |
| 28 R 01207 | C-90 | 90 Minutes | 1.49 | 1.39 |
| 28 R 01215 | C-120 | 120 Minutes | 2.19 | 1.99 |

## CRITERION UO HIFFI CASSETTES



| C. 60 UD | 1.99 |
| :--- | :--- |
| C-90 UD | 2.99 |
| C- 120 UD | 3.99 |

- Wide Dynamic Raıge-$30-20,000 \mathrm{~Hz}$ Response - Low Noise-High Output
- Super-Calendering Minimizes Wear and Improves Frequency Response
- Head Cleaning Tape on Each Cassette
- Sensing Foils to Activate Machines With Reversing Mechanisms

These Lafayette ultra-dynamic hi-fi cassettes are the only ones having all of these deluxe features and represent the peak of cassette excellence. Advanced oxide formulation provides a wide dynamic pange with a frequency response of $30-20,000 \mathrm{~Hz}$. The low noise distortionfree high output results in the highest performance that can be expected of a cassette tape. Each tape has a section of head cleaner at one end and sensing foils at each end to actuate equlpment having automatic reversing capablibties, but may be used on all cassette recorders. In hard clear plastic hinged album storage box. Imported. Shpg, wt., $50 z$.
C. $60 U D 60$ MINUTE HI-FI CASSETTE

99 R 15851
Net ea. 1.99
C-90UD 90 MINUTE HI-FI CASSETTE
99 R $15<01$
Net ea. 2.99
C-120UD 120 MINUTE HI-FI CASSETTE 99 R 16032

Net 3.99


- Low Noise Level.
- Frequency Response $30-20,000 \mathrm{~Hz}$


## 60 MINUTE C-60SD

This 60 minute hi-fl tape uses a new gamma ferric oxide developed for high-density recording. The wide dynamic recording range 32 $20,000 \mathrm{~Hz}$. Makes avallable low nolse, distortion-free output for the highest performance that can be expected of cassette tape. Imported. Stipg. wt., 5 oz .
28 R 01249
Nef 1.99
90 MINUTE C-gOSD
A 90 misute cassette having the same high quality characteristics. specifications and performance as the C-60SD cassette above. Imported.
28 R 01363 Shpg. wt., 4 oz
Net 2.99

## PLASTIC CASSETTE STORAGE BOX



Snap-open plastic box for individual cassettes. Clear hinged cover for instant Identification. Builtan stops prevent tape slack and unwindisg. Shpg. wt. 3 oz . 28 R 17054 Net ea., $25^{\text {L }}$ Lot of 5.99

# LAFAYETTE Recording Accessories 

## LAFAYETTE BULK TAPE ERASERS

95 Deluze Model

## PROFESSIONAL MODÉL

- Completely Erases Tape
- Two Erasing Coils
- Erases up to 1" Tapes
- Erases 1/4" Tapes in One Operation-No Reversing - For $3^{\prime \prime}, 5^{\prime \prime}, 7^{\prime \prime}$ or $10^{1 / 2^{\prime \prime}}$ Reels

A carefully designed and precisely manufactured tape "degausser" for complete erasing of tapes. Just place the tape reel on spindle of domagnetirer, slowly rotate 2 or 3 turns, lake off, and that's all. Reduce tape hiss to the level of new "virgin" tape. Two completety separate coils are used for doubly-effective erasures, even of large, $10 \frac{1}{2} \mathbf{2}^{\prime \prime}$ reels. Will erase $1^{4}$ wide tape. An extra powerful unit for heayy-duty use-draws over 9 amperes. Can be used to demagnetize tape, magnetically stripped film, plus tools and watches. Has a heavy, custom finished case, a rugged non magnetic top, heavy duty on-off switch and power cord. Has built.in fuse. Pilot lizht prevents accidentally leaving it turned on. Size $61 / 4 \times 7 \% \times 31 / 2^{\prime \prime}$. $105-125 \mathrm{~V}, 60 \mathrm{~Hz}$. imported. Shpg. wt. $12 \frac{1}{4} \mathrm{lbs}$.
99 R. 15166 Professiona! Moael
Net 23.95

## Deluxe Model

Similar to professional model for all size reels but handes only standard size $1 / 4^{\text {n }}$ tapes or smaller and reel must be turned over once. Has separate spindle positions for $10 y_{2}{ }^{-2}$ and 3,5 , and $7^{*}$ reels; non-magnetic bakelite plate for reel rest. One powerful coll consumes 5 amps. Metal case $74 / 4 \times 41 / 4 \times 31 / 2^{\prime \prime}$. Imported. Shpg. wt ., $43 / 4 \mathrm{lbs}$.
g9 R 15182
Net 11.95


HAND HELD BULK ERASER

- Utmost Versatility-Demagnetizes Cassettes, Cartridges All Size Reels and Equipment Easily erases tapes or sound films regardless of reel size. Convenient, comfortable hand held design. Also demagnetizes capstans, tape guides, etc. Lowers background noise better than new tape. Safe, durable plastic case and control switch. High intensity field with low power consumption.
28 R 30016 Shpg. wt., $21 / 4$ lbs.
Net $\mathbf{1 0 . 9 5}$
LAFAYETTE CORDLESS 3-WAY TAPE ERASER - Universal Tape Eraser for Cassettes, 8 Track Cartridges and Reel-to-Reel Tapes


A compact, easy-to-use universal tape eraser which works on a self-contained OC source. Powerful rotating magnets provide the strong field which removes previous recordings and noise from cassettes, 8 -track cartridges and open reel tapes. Requires 4 -inexpensive AA penlite cells (not supplied). Has On-Olf slide switch; plastic case. Size: $4 x_{0} \times 31 / 0 \times 2 \%{ }^{\prime \prime}$. Imported. Shpg. wt., $11 / \mathrm{lbs}$.
99 R 15877 Eraser (less batteries) .... Net 8.95 $11 / 2$ volt $A A$ cells for above ( 4 -required). 99 R 62580 ......................................... 10

## LAFAYETTE TAPE HEAD

 DEMAGNETIZER WITH SWITCH

Pencil shaped head demagnetizer whith one extending probe. Styling allows you to reach all heads in ali positions. Features switch controf... no need to leave unit on constantly. Turn on when needed and off to conserve unit's iffe. Operates on standard 110.120 VAC 60 Hz . Imported. Shpg. wt. 9 Oz . 99 R 15331

Nét 2.95

## TAPE CLEANER



Tape is Impregnated with special formula cleaner. Simply run through like regular roll of tape. Entlre job done in 2 minutes. Can be reused many times. Shpe. wt., 5 oz.
 28 R 20025 Tape Cleaner on $3^{\prime \prime}$ reel...... Net 99

## 1200 FT. LEADER TAPE ON 7 INCH REEL

Lafayatte brings you this jumbo reel of leader lape at a tremendous savings over the cost of leader tape customarily avallable in 100 ft . quantities. $11 / 2$ mil mylar tape. 1200 ft . $\times 1 / 4^{\prime \prime}$ wide on $7^{\prime \prime}$ clear plastic reusable reel. Individually boxed.
28R 770:7 Shpg. wt., 3/4 tb.
Net 2.69

LAFAYETTE TAPE SLICER


- Two Operations-Cuts \& Trims - Clean Splices in Seconds
- For Reel-To-Reel and

8-Track Recording Tape

- Splicing Tape Supplied

A sturdy precision instrument for professional use in all splicing and editing applications. 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 long lasting blades provide trouble-free operation. A must for professionals and demanding audio hobbyists. Imported. Shpg. wt., 9 oz.

## 28 R 09051

Net 2.89
Replacement splicing tape for above. 28 R 09069 Shpg. wt., 3 oz...... Net . 39

## TELEPHONE PICKUP FOR CRADLE OR UPRIGHT PHONES



Induction telephone plick-up for cradle or upright phones. Simply place base on pickup and connect leads to high impedance Input of an audio ampllfier or directly to a tape recorder. Imported. Shpg. wt., 5 oz. 199 R 10340

Net 1.49


## HUM-BUCKING TELEPHONE PICKUP COIL

Designed with symmetrical hum canceliing plck-up colls to eliminate high stray hum pickup usualiy encountered with conventhonai coils. For use with high impedance tape recorders, amplifiers and dictating machines. - Double suction cup for easy mounting. $5^{\prime \prime}$ cable with stripped leads. Shpg. wt. 40 oz .
28 R 32012.
Net 4.95

## 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. Has 5 foot shielded cable with stripped ends. Imported. Shpa. wt., 4 oz .
99 R 61970
Net 1.39


## Tape Recording Accessories

## COUSINO AUDIO VENDOR

- Continuous Repeating Magnetic Magazine Tape
Endless tape loop magazines provide continuous play. Ideal for sates messages, language study, sleep learning, exhibits, etc. Fits most standard recorders. Running time in minutes at 33 ips. Counter. clochwise. 1500 Series $2 \%$ " dia.. 1310 Series $3 \% "$ diam. 1210 Series $5 K_{0}$ " dla. Avg. wt., 9 oz.

| STOCK NO. | TYPE | RUNNING | NET |
| :---: | :---: | :---: | :---: |
| 28 R 35031 | 150003 | 3 Min . | EACH |
|  | 150005 | 5 Min . | 4.75 |
| 28 R 35056 | 131008 | 8 Min. | 7.15 |
| 28 R 35064 | 131012 | 12 Min . | 8.00 |
|  |  | 15 Min . | 8.95 |
| 28 R 35080 | 131018 | 18 Min . | 8.75 |
| 28 R 35098 | 121024 | 24 Min . | 10.95 |
| 28 R 35106 | 121030 | 30 Min . | 12.95 |



## LAFAYETTE RECORDER PATCH CORD

 Ideal For Making Connections From Radio, Phono or TV To Tape Recorder
Handy 6 ft. lead has insulated allizator ctios at one end and RCA phono plus at the other. Supplied with shielded phono plus adapter to adapt the RCA phono pluz to standard phono plug if necessary. Attach alligator cllps to speaker terminals and simply plus other end into tape recorder. Ideal for re. cording from Radio, Phono or TV. Imported Shpr. wt., 501.
99 R 15174
Net .99

## LAFAYETTE STEREO RECORDER PATCH CORD



Ideal for making tape recorder connections from stereo receivers, tuners and amplifiers having front panet tape output jacks, A con venlent 6 foot cable has stereo 3 conductor phone plug at one end and two standard color coded RCA type phono plugs at the other. Insert phone plug into front panel tape output jack of receiver, tuner or amplifier and connect phono plugs to inputs of tape recorder for convenient connection. Imported. Shpg. wt., 502. 99 R 63364

Net 1.39

## HEAD AZIMUTH ALIGNMENT TAPE

For accurate align. ment of recorder heads for maximum sound output. 100 ft . on $2 \frac{12}{2} \mathbf{2}^{\prime \prime}$ reel. Tape has 6 kHz steady tone in either direction. Instructions included. Shps. wt., 3 oz.
28 R 71184
Net 1.29


TAPE THREADER


Eliminates awiward fumbling. Place tape against reel, slip crant-lape theaded Use with turn $7^{m}$ reels. Shpg. wt., 3 oz. 28 R 60211

Net .85

## CLEAR PLASTIC REELS



As Low As


IN LOTS
OF 4

Sturdy, non-warp plastic reels for recording tape. All clear plastic.
Avg. Shpg. wt., 4 oz., singly.
28 R $230523^{\prime \prime}$ reel lots of 4, Ea. . 11 Singly, Ea. . 13 28 R $2301131 /{ }^{\prime \prime}$ reel lots of 4, Ea. . 12 Singly. Ea. . 15 28 R $230295^{\prime \prime}$ reei lots of 4. Ea. . 26 Singly, Ea. 29 28 R $230377^{\prime \prime}$ reel... lots of \&, Ea. 31

## LOW TORQUE REELS

Professional type clear plastic reels with large hubs for smooth tape feed and reduced flutter, $\operatorname{Shpg}$. wt., 4 oz . ea.
$5^{\prime \prime}$ Low Torque Reel-Holds 400 it. $11 / 2 \mathrm{mll}$, 600 ft . $1 \mathrm{mil}, 800 \mathrm{ft}$. $1 / 2 \mathrm{mil}$ or 1200 ft . 1/2 mil triple play tape 28 R 23050
lots of 4, Ea. . 49 Singly, Ea. . 54 7" Low Torque Reel-Holds 960 ft . 112 mil , $1440 \mathrm{tt} .1 \mathrm{mil}, 1920 \mathrm{ft} 1 / 2 \mathrm{mil}$ or 2880 ft $1 / 2 \mathrm{mil}$ triple play tape.
28 R 23045
lots of 4. Ea. . 54
Singly, Ea. . 60
RECORDER TEST TAPE


Checks speed, tlming, wow and flutter. for $71 / 2$ IPS. Accurate within $1 / 10$ of one per. cent. Shpr, wt., 202.
28 R 50014
Net .98

## reusable clean-lube

CLOTHS Protects recording tape by
depositing a silicone film. Eliminates tape squeal \& chatter. Cloths are wash able. Pkg. of 4 cloths. Shpg. wt., 402.
28 R 72638 Net 79
REEL LOCKS


Holds tape recorder reel in place by locking spintle to reel. Especially useful if recorder is in vertical position. Will not interfere with normal operation of reels. Easily removable. imported. Shps. wt., 3 oz.
99 R 15190 Set of two
Net .45

METAL STORAGE CANS
 $35^{\circ}$
Lots of 6
Cans are ribbed for easy storage. Precision fit. Baked enamel finish. Av. wt., 802.

28 R $630665^{\prime \prime}$ Can
lots of 6, Ea. . 35
Singly, Ea. . 39
28 R $630747^{\prime \prime}$ Can
Ots of 6. Ea. . 38
Singly, Ea. . 45


METAL TAPE STORAGE CHEST

98

STANOARD CASE: Sturdy all steel carrying case. Holds 12 7" reels and cans. Twin snap locks. Matinum gray hammerloid finish. Metal separafors. Index cards
28 R 15017 Shpg. wt., 4 有 lbs. Net 3.98 deluxe case: Holds $127^{\prime \prime}, 5^{\prime \prime}$ or $3^{\prime \prime}$ Intermixed reels and cans. finger touch roll-out action, drop-tront with spring lock. Exterior and interior Index.
28 R 15025 Shpg. wt., 734 Ibs. Net 6.50

## PROFESSIONAL EDITALL TAPE EDITING KIT

All you need for a complete professional editing job. The cutting block is made of duraluminum precisely machined and polIshed (makes straight or diagonal cut). All accessorles such as grease pencll, blades, splicing tape ( 66 ft . rolf of $7 / z^{\prime \prime}$ ) supplied. Comes with instruction booklet-in a smari plastic case. Shpe. wt., $70 z$.
28 R 38050
Net 10.00
 EDITING And SPLICING KIT

Easy to use, makes perfect splices without trimming or damage. Complete kit consists of editall plastic block, 30 pre-cut editab splices, cutting blade, grease pencll, instruc. tion booklet and tape guide. Shpg. wt. $40 \mathrm{oz}_{\mathrm{s}}$ 28 R 38068

Net 3.50
Package of 30 pre-cut Editab splices.
28 R 38076 Shpg. wt., 3 oz. Net 1.50

## ROEINE® TAPE SPLICERS AND EDITING ACCESSORIES


(A) TK. 9 COMPLETE TAPE EDITING WORKSHOP. Tape Winders for reels to $7^{* \prime}$, Deluxe Tape Splicer with splicing Tape. Sturdy walnut grained base has Callibrated Tape Thming and Editing Scale. Editing Pencil and Editing Guide Book included. Shpg, wt., $23 / 4 \mathrm{lbs}$.
28 R 71069
Net 16.75
(B) TS-8D Deluxe stereo splicer. Precision diagonal cut and "Gibson Girl" trim. "Seethru" windows show "Cut" and "Trim." Tape guide and fingers secure tape. Tape dispenser has $12^{\prime \prime} \times 100^{\prime \prime}$ roll Spilicing Tape. Replaceable cutter pad and blades. Blade centering adjustment for accuracy. Of superstrong Cycolac. Instructions.
28 R 60096 Shpg wt., 1 lb. .. Net 8.69
(C) TS-75 Standard stereo splicer, Same features as TS.8D. Made of plated steel and plastic. Dispenser has $3 \mathrm{~m}^{\prime \prime} \times 100^{\prime \prime}$ roll Splicing Tape. Instructions.
28 R 71416 Shpg. wt., 9 oz. . Net 6.29
TS-71 JUNIOR "STEREO" SPLICER. (Not illus.) Same as TS-7S, less dispenser and tape. Uses ${ }^{3} \mathrm{~h}^{\prime \prime}$ wide splicing tape.
28 R 71424 Shpg. wt. 8 oz. Net 5.45
(D) TS. 6 DELUKE "CUTT.N-SPLICE"" Cuts tape at $30^{\circ}, 45^{\circ}$, or $90^{\circ}$ angle. 25 self-stick splic. ing Patches included in built-in tray of splicer.
28 R 70863 Shpg wt., 6 oz. ... Net 2.99
TS-5 "CUT-N.SPLICE" METAL SPLICING BLOCK. (not illus.) With 25 self-stick Solicing Patches.
28 R 70871 Shpg. wt., 5 oz. .... Net 2.29
(E) TS-14 PROFESSIONAL STUDID PRECISION TAPE-SPLICING BLOCK. Has $90^{\circ}$ and $45^{\circ}$ cut. ting guide. Burnishing plate and roller provided. Sturdy cast base has rubber bumpers. Includes culting blade and supply of 100 Splicing Patches. Shpg, wt., 4 lbs.
28 R 12059 For $1 / 4^{\prime \prime}$ tape. .... Net 16.50
SPLICING! TAPE. Mylar. Wt. ea. 2 or. (Not IIllus.)

| Stock No. | Type | Width Length | Net |
| :--- | :--- | :--- | :--- |
| 28 R 70869 | TST.235 | $14^{\prime \prime} \times 300^{\prime \prime}$ | .75 |
| 28 R 70897 | TST-376 | $34^{\prime \prime} \times 275^{\prime \prime}$ | .75 |
| 28 R 70905 | TST-50 | $1 / 2^{\prime \prime} \times 2500^{\prime \prime}$ | .75 |

TST-233 Pkg. of 75 Self-Stick Splicing Patenes for IS-24, is. 6, TS. 5 Splicers. 28 R 70921 (not illus.) Net . 75
(f) TM-2 Magnetic tape editing pen. Erase single sounds, noise, etc. from recordings. Fade in and out for special sound effects. 28 R 71549 Shpg. wt.. 3 oz. .... Net 1.65 TT-240 COLOR-CODE SPLICINE PATCHES. (Not IHus.) 12 each of 6 colors, Orange, Yellow, Red, Blue, Green and white. Splice color patches between subjects on reel for indexing.
28 R 71135 Shpg. wt., 3 oz. ... Net 1.09
TSP-50 SENSING AND CUEING PATCRES. (not illus.) Aluminum foil, $4 / 4^{\prime \prime}$ wide $x \geqslant 4^{\prime \prime}$ lengths. For recorder with automatic stop and reverse control. Pkg. of 50, wt., 2 oz.
2 R R $71150^{\circ}$
Net 1.05
TSP- 240 SENCINE AND CUEING TAPE. Roll of aluminum foll tape $.240^{\circ}$ wide $\times 150^{\circ}$ length. Prepares tapes for use with recorders having 3utomatic stop and reverse controls. (Not Hllus.)
28 R 72653 Shpg. wt., 4 jz . Net 1.98
(K) TK-1 COLOR-COOING TAPE LOE KIT. Colorcode indexing by title, artist, category. 120 page color-Indexed Log Book, 240 Titte La. bels, 72 Tape End Tabs, 48 Numbered Cueing Spots, 30 Eox Ends, in 6 Colors, and Pen. 28 R 71457 Shpg. wt., 1 lb .... Net 5.79

(C) TK-30 TAPE EDITING KIT. Contains: TS-6 "Cut-N:Splice" Splicer, 25 self-stick Patches, White Leader Tape $3 / 4^{\prime \prime} \times 100^{\prime \prime}$ on a $21 / 2^{\prime \prime}$ reel, 12 Tape Clips, Tape Cleaning Cloth $3^{\prime \prime}$ reel of Tape-Clean, and 120 Golor title Labels.
28 R 72067 Shpg. wt., 900Z. .... Net 5.98
(H) TK-BDUX DELUXE KIT. Contalns: IS-8D Sollcer. Splicing Tape, Threader, Kead Clean and Lube 2 02. botiles, Clips, Reel Title Labels, Reel Holders, and Editing Gulde Book. Shpg. wt., $21 / 4$ lbs.
28 R 70442
Net 13.78
(I) TK-14 RECDRDER MAINTEMANCE KIT, Contains: Head Demagnetlzer, 2 Tape Cleanling Cloths, and $3^{\prime \prime}$ reel of Tape-Glean. 28 R 71598 Shpg. wt., 9 oz. .. Net 4.79 (l) TK. 7 RECDRDER KARE KIT. 2 oz. botlles of Head Cleaner, Head and Guide Lubricant Tape Drlve OII, Non-SIlp for Tape Drives, and 50 Cleaning swabbies.
28 R 70491 Shpg. wt., $13 / 4$ lbs. Net 2.75 th.g head-clean and lube kit. (Not llus.) 2 o2. bottles. Head Cleaner and Head and Guide Lubricant.
28 R 70855 Shpg. wt. 11 oz . Net 1.39

(L) TLA-1 TAPE-CLEAN-LUBE SYSTEM. Selfstick base mounts to deck of any recorder Applies liquld Silicone Lubricant and Cleaner to both sides of tape while playing. Reduces recorder head and gulde wear. Stops tape squeal. Reduces drag. Includes extra LubeCleaner.
28 R 71911 Shpg. wt., 7 oz. ... Net 3.29
TLA-2 TAPE LUBE-STICK. (Not illus.) Lubri. cates both sides of tape at same time while in use. Stops squeal, reduces drag. Sell-stick base mounts to recorder deck.
28 R 71929 Shpg. wt., 302.
Net 2.19
T2.9 REPLACEMENT KIT FOR TLA-1 TAPE CLEAN LUBE SYSTEM. Bottie of tape cleaner and lubricant with two felt applicators. 28 R 72679 Shpg. wt., 6 oz. .... Net i. 79
TZ-11 REPLACEMENT KIT FOR TLA-2 TAPELUBE STICK. Two replacement fube sticks. 28 R 72687 Shpg. wt., 3 oz. ... Net 1.15

head demacietizers. In normal use, heads build-up magnetism resulting in loss of fidelity. Demagnetizers safely remove mag. netism from heads to improve recorder sound performance.
(M) TD-E PROFESSIONAL UL LISTED HEAD oemagnetizer.
110 VAC. Wt., 10 oz.
28 R 60260
Net 7.65
(N) TO-3 DELUKE HEAO OEMAGNETIZER. fully encapsulated components. 110 VAC, w1., 802.

## 28 R 60278

Net 4.39
(0) TRP-5 HIGH GRAIN PROTESSIONAL "SOUND-RING" TELEPHONE INDUCTION PICK. UP. High sensitivity for "full depth" recording of phone conversation. Attaches to phone with ease. Slips over and surrounds the earplece of the phone. 3 ft . shlelded cable is complete with mini-plug for use with all tape recorders.
28 R 72695 Shpg. wt., 6 oz. .... Net 3.99

TH-16 COLOR-CODING LEADER TAPES, (Not illus.) Color-Code subjects, 100 ft . each Red, Blue, Yellow, Green, White on $21 / z^{\prime \prime}$ reels. 28 R 71499 Shpg. wt., 6 oz. ... Net 2.85 Tt-100c clear leader tape. (Not illus.) 100 ft. $\times 1 / 4^{\prime \prime}$ wide on a $21 / 2^{\prime \prime}$ reel.
28 R 71887 Shpg. wt., 3 oz. .... Net . 81 TC-75 TAPE CLIPS. (Not lllus.) Plastlc. Reusable. Keeps tape from unwinding. Fits all reeis. 72 clips in handy plastic contalner.
28R71093 Shpg. wt., 4 oz. .. Net . 99
TL.80 TAPE AND 80X INDEX SPOTS. (NOt illus.) Pkg. of 240 . Numbered 1 to 24, 2 sets in 5 basic Colors. Self-stick. Index tapes and their matching boxes or canlsters. Wt. 3 oz. 28R72075 ..................... 99
TL-240 COLOR-COOE TITLE LABELS. (Not illus.) $2^{\prime \prime} \times 1 / 2^{\prime \prime}$ self-stick, 40 each of 5 Colors. Write or type. Label reels, boxes, canisters, etc. Pkg. of 240 . Wt. 402.
28 R 71507
Net 1.19
TK-2 TAPE KARE KIT. (Mot illus.) 2 oz. bottle of Head Cleaner and Tape Cleaning Cloth. 28 R 70483 Shpg. wt., 7 oz. ... Net 1.39 TX-20 tape head cleaner. (Not'llius.) 2 oz. bottle with applicator.
28 R 60310 Shpg. wt., 6 oz. .... Net .75 TK. 33 TAPE ORIVE OIL (Not Illus.) 2 oz. bottle with applicator. Inhibits rust and oxidation. 28 R 72083 Shpg. wt. 7 oz. ... Net .57 TX-22 head ano guide lubricant. (Not lillus.) 2 oz. bottle with applicator. silicone base liquil. Provides friction-free tape path. 28 R 71937 Shpg. wt., 6 oz. .... Net .75 LB-1 LOG 800K. 120 page Log Book for indexing recordings on reel-to-reet tapes, cassettes, 8 -track cartridges and phono records, by tithe, artist and calegory. (Not Hilus.)
28 R 72661 Shpg. wt., 6 oz. ... Net 1.29


MAGNETIC BULK TAPE ERASEAS. Erase tapes in seconds to below normal recorder erase head level. Restores tapes to "blank" condition. For magnetic strlpped film also. All units $110-120 \mathrm{~V}, 50-60 \mathrm{~Hz}, \mathrm{AC}$.
(P) TM.77 DELUXE 8ULK ERASER. For $1 / a^{\mathrm{No}}$ tape, reels to $7^{\prime \prime \prime}$. Erasure 2 to 4 db below normal erase head revel. Size: $23 / 5^{\prime \prime} \times 33 / 4^{\prime \prime} \times$ 61/4", Shpg. wt., 41/4 lDS.

Net 18.40
28 R 60252
(S) TM-99 PROFESSIDNAL UL LISTEO 8ULX ERASER. For tape to $1 / 2^{\prime \prime}$ wide, reels to $101 / 2^{\prime \prime}$. Erasure 3 to 6 db below erase head level. Size: $51 / 4^{\prime \prime} \times 63 / 4^{\prime \prime} \times 334^{\prime \prime}$. Wt., $93 / 4$ Ibs.
28 R 60245
Net 33.00
TPP-2 RECOMOER REPLACEMENT PRES. SURE PAOS (Not Illus.) Pkg. of 44 self-stick assorted sizes in two thicknesses for most recorders. Shpg. who, 402.
28 R 71119
Net .85
(88) TSD-I AUTOMATIC TAPE SHUT-DFF, Attaches to side of recorder. Recorder plugs Into side of unit. $110 \mathrm{VAC}, 3 \mathrm{amp}$. Pating. Arm gently contacts recording tape. When tape plays through and ends, automatically shuts off recorder or other devices.
28 R 72158 Shpg. wt. 8 oz.... Net 5.49
(V) TR-12 AUDID/VISUAL ACCESSORY MIT. For language labs, recording studios, audio/ visuat depts. and serious home recordists. Contains: TS-8D Splicer, 6 rolls $1 / 2^{\prime \prime}$ Splicing Tape, Tape Threader, Tape Cleaning Cloths, Head Cleaner Lubricant, 24 Tape Ciips, 180 Title Labels, Tape Strobe and Light Kit, U.L. Listed TM-99 Bulk Tape Eraser and TD-6 Demagnetizer. Shpg. wt., $141 / 4 \mathrm{lbs}$. 28 R 70517

Net 58.25
(2) TRP- 2 PHONE PICK-UP., Fastens to phone by suction cup. Provides clear recording of phone conversations. Has 5 ft . cable with stripped ends to attach connector to fit recorder.
28 R 70947 Shpg. wi., 3 oz. ... Net 2.49
(AA) TK-4H TAPE EDITING AND CARE KIT, CONtains TS-2 Tape splicer assembly mounted to recorder, $1 / 2^{\prime \prime} \times 100^{\prime \prime}$ roll of splicing tape, tape cleaning cloths, 12 tape clips and tape editing and splicing guide. Shpg, wt., 802. 28 R 72703

Net 2.44
TL-9 LDNG TITLE LABELS. (Not Hus.) 3 " ${ }^{\prime \prime \prime} x$ $91 / 2^{\prime \prime}$. Self-stick. Label canisters, boxes, etc. 28 R 12166 Pkg. of 50 . Wt. 4 oz. Nel 79

EMPTY AEELS FDR ALL RECDRDERS, Packaged clear plastic reels in all sizes, except " Is pkg. of six $3^{\prime \prime}$ reels in assorted colors, + indicates low Torque reel. Avg. Wt. per phg., 10 oz.

| Stock No. | Mir's Type | Size | Pkg。 ety. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 28 R 70954 | TR20-6 | 2 | 6 | . 75 |
| 28 R 70962 | TR25.6 | 21/2" | 6 | . 75 |
| 28 R 70970 | TR30-6 | $3^{\prime \prime}$ | 6 | . 69 |
| 28 R 70988 | TR32-4 | 31/4" | 4 | . 69 |
| 28 R 71259 | TR36-6* | $3^{\prime \prime}$ | 5 | . 85 |
| 28 R 70996 | TR40-4 | 4" | 4 | . 85 |
| 28 R 71002 | TR50-2 | 5" | 2 | . 75 |
| 28 R 71317 | TR53-2+ | $5^{\prime \prime}$ | 2 | 1.19 |
| 28 R 71010 | TR70-2 | $7^{\prime \prime}$ | 2 | . 85 |
| 28 R 7102 | 1R74-2+ | $7{ }^{\prime \prime}$ | 2 | 1.35 |

(CC) TCP. 12 SET OF 12 DELUXE IMDIVIDUAL MDLDE 0 TAPE SAFES. Protects $7^{\prime \prime}$ tapes from dust, dirt, ageing. Hinge covers, Bottoms have dovetail grooves to fit metal wall mount bracket included, (less tape and reels). Shpg. wt. $63 / 4 \mathrm{lbs}$.
28 R 71225
Net 12.60
TB-15 CARDBDARD TAPE MAILING BOXES, (Not illus.) Package of 15 . For up to $31 / 4^{\prime \prime}$ reels. 28 R 71580 Shpg wt., 8 oz. ... Net . 89


## RECORDER AND TAPE CARE ACCESSORIES

TAPE-CLEAN, (Not Illus.) 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, $3^{\prime \prime}$ reel Wt. 3 oz.
28 R 71168
Net 1.35
THC-5, $5^{\circ \prime}$ reel. Wt. 5 oz .
28 R 60351
Net 2.29
(U) THC- 12 QUICK-CLEAN IELT PEN. With pocket clip. Applies efficient fast drying solvent to remove dirt, accumulated oxide from recorder heads to improve sound fidelIty. Includes fluid supply. Imported.
28 R 72091 Shpg. wt., 3 oz..... Net 1.10 (W) TK-S TAPE STMOAE AND LIGHT KIT. Tests speed accuracy of recorder at 15,742 , and $3 y / 4$ ips. Strobe tape, neon lamp. 110 V. A.C. 28 R 72125 Shpg. wt., 5 oz. ... Net 1.99 (x) BLDWER BRUSM \#TBE-1. Squeeze Dlower and soft camel's hair brush. Blows away dust and other particles from delicate recorder heads, guides, and other parts, Ideal for phono, records, delicate parts, fine optical lenses, etc.
28 R 72133 Shpg, wt. 4 oz. .... Net 1.35 RMC-6 PLASTIC TAPE MAILING CANISTERS. (Not illus.) Impact resistant. Reusable. For up to $34 / 4$ " reels. With 2 -sided address cards. Phg. of 6. Wt., 8 oz.
28 R 71564
Net 1.19
TMC-30 DOUBLE SIDEO ADORESS CARDS. (Not fllus.) Pkg. of 30 for RMC-6 Tape Mallers. 28 R 71572 Shpg, wt., 6 oz.... Net . 85 TCB-18 CARDBOARD CASSETTE MAILERS. (Not llus.). Package of 18 . Features "built-in stops" to prevent tape unwinding or becoming slack.
28 R 71952 Shpg. wt., 8 oz. ... Net . 99 TL-5 COLDR-CODE TAPE BOX ENDS. (Not Illus.) 30 self-stick, textured book binding strips in 6 colors. Reinforce and hinge Ilds.
28 R 71481 Shpg. wt., $6 \mathrm{oz} . . .$. Net 1.99

THS-1 HEAD-KLEEN SPRAY. (Not illus.) 40 oz. Aerosol formula Head Cleaner removes accumulated oxide, grime, and other particles from recorder heads. Extension nozzle included for easy access to hard to reach heads. 28 R 71945 Shog. wt., 6 oz. Net 1.39 THC-1 HEAD-KLEEN PDLISHING TAPE, (Not lllus.) 3" reel, 225 ft . Removes oxide and all particles from heads when played. 28 R 71606 ShDg. wt., 3 oz. ...Net 1.42
(T) MSW-125 "SWA8BIES". Soft cotton tips wound on $6^{\prime \prime}$ applicators for cleaning and oilling hard to reach parts of equipment. Package of 125.
28 R 72117 Shpg. wt., 6 oz. .... Net .79
(V) TW-1 PRECISION TAPE STROBE. Metal, chrome plated. Needie bearings. Tests speed accuracy, wow, and flutter of $71 / 2$ and $33 / 4$ ips recorders, instructions.
28 R' 71176 Shgg, wt., 10 oz . Net 7.69

DD


## CASSETTE AND 8-TRACK CARTRIDGE ACCESSORIES

(DD) THC-15 "DOUBLE-HEADER" S-TRACK CAMTRIDGE ADVANCED MAINTEMANCE KIT. Has special formula Non-Abrasive cloth Head-Cleaner Tape at one end, and RecorderPlayer Drive Cleaner at the other end. Elther end of cartridge fits equipment. Includes bottle of head cleaner solution. $28 \mathbb{R} 72711$ Shpg. wt., 1 Ib. ... Net 2.99
(EE) THC-14 "DOU日LE-HEADER" 8-TRACK "TUNE-UP" CARTRIDCE. Has beeper head cleaner tape at one end, and tape drive cleaner at other end. Beeper cleaning tape has recorded beep signals to indicate number of times tape passes and contacts head of player-recorder during cleaning operation. 28 R 72729 Shpg, wt., 10 or, .. Net. 2.29
(FF) TSA-33 "MINI" CASSETTE STORAGE ALBums. Set of 3 library albums. Each stores 3 cassettes. 28 R 72737 ShDg. wh. 7 oz. .... Net 1.99
(GG) TSA-24 CASSETTE "TOTE-ALBUM". Foldout aibum has 4 trays with recessed compartments and built-in "stops" to protect 24 Cassette tapes. Album has snaplock for secure closing and convenient carry handle. Complete with tape logs for listing recordings. Ideal for home shelves and outdoors. 28 R 72745 Shpg. wt., $11 / 2$ lbs. Net 4.99


## 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 flrst quallty, 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 within 30 days and we will refund your money less only transportation charges. You are the sole judge.


## LAFAYETTE ACETATE BASE <br> RECORDING TAPE

Provides wide range high fidelity response over the audio spectrum. Features noise free reproduction, low abrasion and uniform output. Average shpg. wt., 1 lb,

| Stocki Mo. | Feet | Reel | Mils | Wt. Ibs. | Nel Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| 28.01025 | 600 | $5^{\prime \prime}$ | 11/2 | 1/2 | 99 | . 90 | . 85 |
| 28 R 01033 | 900 | $5^{\prime \prime}$ | 1 | 1/2 | 1.20 | 1.10 | . 99 |
| 28 201017 | 1200 | $7{ }^{\prime \prime}$ | $11 / 2$ | 1 | 1.59 | 1.49 | 1.35 |
| 28 \% 01041 | 1800 | $7{ }^{\prime \prime}$ | 1 | 1 | 1.98 | 1.88 | 1.79 |

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

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

| Stock No. | Feot | Reel | mils | We. Hes. | 14 | Net Por Reel | $25 \text { up }$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 28901058 | 1200 | 5" | 1/2 | $1 / 2$ | 1.75 | 1.50 | 1.42 |
| 28 R 01066 | 1800 | $7{ }^{\prime \prime}$ | 1 | 1 | 2.14 | 1.93 | 1.75 |
| 28. R 01074 | 2400 | $7{ }^{\prime \prime}$ | $1 / 2$ | 1 | 3.10 | 2.79 | 2.51 |

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

Tensilized mylar gives you the most permanent type of base and is therefore ideal for your most treasured recordings. All are $1 / 2 \mathrm{mil}$ thus permitting the maximum amount of footage per reel. Individually boxed.

| Stock No. | Feet | Reel | Mils | Wt. Bs. | Net Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1.4 | 5-24 | 25 up |
| 28 R 01090 | 300 | $3^{\prime \prime}$ | $1 / 2$ | 3/4 | . 69 | . 63 | . 59 |
| 28 R 01108 | 600 | 31/4" | $1 / 2$ | 1/4 | . 99 | . 90 | 41 |
| 28 R 01116 | 1200 | $5{ }^{\prime \prime}$ | $1 / 2$ | 1/2 | 2.25 | 2.03 | 1.83 |
| 28 R 01082 | 2400 | $7{ }^{\prime \prime}$ | 1/2 | 1 | 3.49 | 3.14 | 2.86 |
| 28 R 01231 | 3600 | $7{ }^{\prime \prime}$ | $1 / 2$ | 14/4 | 4.98 | 4.49 | 3.99 |

[^10]
## LAFAYETTE TAPE FOR AUTOMATIC REVERSING TAPE RECORDERS

These tapes are specifically intended for tope recorders providing automatic reversing of tape. Each tape has a green color coded leader, a red color coded trailer, and metal sensing strip at each and 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. Average Shpg. wt., 1 lb .

| Stock Mo | Feet | Reel | Description | Net Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.4 | 5.24 | 25 up |
| 28 R 01165 | 1200 | 5* | 1/2 mill mylar | 1.99 | 1.4 | 1.67 |
| 28 R 01173 | 1200 | 7" | $11 / 2 \mathrm{mll}$ acetate | 1.84 | 1.73 | 1.62 |
| 28 R 01118 | 1800 | 7" | 1. mil mylar | 2.85 | 2.69 | 2.43 |
| 28R01199 | 2400 | $7{ }^{\prime \prime}$ | 1/2 mili tens mylar | 3.99 | 3.74 | 3.52 |

## NORTRONICS TAPE HEADS and ACCESSORIES

QUIK-KIT MOUNTING MARDWARE

| Stock No. | OK Mo. | Description | Met Ex. |
| :---: | :---: | :---: | :---: |
|  |  | SIDE-MOUNT |  |
| 28.157357 | 18 | All erase | 1.25 |
| 28 R 57340 | 20 | 3000 RP series | 1.25 |
| 28 ¢ 17332 | 38 | Other RP | 1.25 |
|  |  | BASEMOUNT |  |
| 28 R 57381 | 19 | All erase | 1.25 |
| 28 R 57373 | 21 | 3000 RP | 1.25 |
| 28 R 57365 | 66 | Other RP | 1.25 |
|  |  | SPECIALS |  |
| 28 R 57928 | 102 | Sony RP | 1.75 |
| 28 月 57993 | 119 | Sony RP | 1.25 |
| 28 R 58256 |  | Sony er | 1.50 |

## FREE TAPE HEAD REPLACEMENT INFORMATION

Below is a partial tape head replacement listing. We can supply information and Nortronic replacements for over 2800 recorder models, If yours is not Ilsted, write to us supplying manufacturer and model number, tape head function and track configuration.

AT-100 Allgnment tape, Fulftrack 71/2 ips, For head azimuth alignment \& NAB testing frequency response of any recorder or tape head. Shpg. wt., 6 oz . 28 R 57589

Net 9.90
AUTO ANO HOME G-TRACK CARTRIOGE REPLACEMENT HEAD
Record/Playback replacement head for practically all auto and home s-track cartridge tape players. Shpg. wt., 302
28 R 58272 Nortronics 5800
Net 10.90

## DIRECT REPLACEMENTS FOR

Premium quality no-mount heads for replacement and conversion purposes, Use with mounting kits, beiow, for easy installation Response $40-20,000 \mathrm{~Hz}$ at $71 / 2$ Ips. Crosstalk rejection 55 db . For

| Steck Mo. | $\begin{aligned} & \text { Mfrs. } \\ & \text { Type } \end{aligned}$ | Func. tion | For WEDCOR Models-Some Prefired CP, EP, LT, PB, TP |  | Net <br> Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 ¢ 57019 | 1000 | RP | $\begin{aligned} & 2008,2208,2323(-1,1 A) \\ & 2007,2107(-1), 2150, \\ & 2007(-1), 2208 \cdot 1,2250(-1), \\ & 2328(-1), 2356(-1,14,18), \\ & 2357(-1), 236(-1), 2366-1 \mathrm{~b} \\ & 2391,3392,3393,4007-1, \end{aligned}$ | - | 21.50 |
| FOR CONCORD |  |  |  |  |  |
| 28 1 57084 | 3101 | k | 320, 330 | - | 10.60 |
| 28 R 57018 | 1000 | RP | 4000, 401, 400RP | 66 | 21.50 |
| 2 月 57100 | 1401 | E |  | 19 | 9.50 |
| 28 R 58090 | 1007 | R | 880 | 66 | 21.50 |
| 21 R 58090 | 1007 | RP | 990,994 | 66 | 21.50 |
| 28 R 51100 | 1401 | E | All above | 19 | 2.50 |
| For YM Models |  |  |  |  |  |
| 20857084 | 3101 | RP | $\begin{aligned} & 710(A), 711(A), 714,730, \\ & 750(A), 1000 \end{aligned}$ | 20 | 10.60 |
| 28 R 58066 | 1009 | RP | 7100, 720, 722, 735 (3dd A track) $740(1), 741,755$, |  |  |
|  |  |  | 1001-(1, 2), 1002-(1, 2) | 38 | 21.50 |
| 28857100 | 1401 | E | $7100,720,722,755$ $1001-(1,2), 1002-(1,2)$ | 18 | 9.50 |
| 28 257282 | 6002 | PPE | 740, 740-1, 741 | 38 | 24.00 |

136 Lafayette Cat. No. 720

## POPULAR TAPE RECORDERS

frequencies to $100 \mathrm{kHz}, \mathrm{Av}$. Shpg. wt., 402.
R-Record; p-Play; E-Erase. Mounting hardware where required. (See below). With instructions.


$\square$

TYPE 111 STANDARD TAPE-11/2 MII Acetate Coated with red oxide. Popularly used for high fidelity all purpose recordings. On plasilc reels. Av. shpg. wt., 1 lb. ea.

|  |  |  | Met Each |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 up |
| 28 R 33044 | $111-1.5$ | $3^{\prime \prime}$ | 150 | .55 | .49 |
| 28 R 33069 | $111-6$ | $5^{\prime \prime}$ | 600 | 1.77 | 1.60 |
| 28 R 33077 | 111.12 | $7^{\prime \prime}$ | 1200 | 2.67 | 2.40 |

TYPE 202, 203 "DYNARANGE" SERIES-Designed primarily for professionals, but now available for home recording. Permits slower speeds without loss of fidelfty. Low noise level, long wear. Ideal for transcrlbing. Shpg. wit., 1 ib.


TYPE 206, 207 NIGH OUTPUT-LOW NOISE TAPE-Professional mastering tape with $50 \%$ increase in outout over standard low nolse tapes "Positrak" backing extends tape life eliminates dropouts. Available in 60 and 90 minute tengths, recording both directions at $71 / 2$ IPS. Shps. Wt., $11 / 4 \mathrm{lbs}$.

| Stock NO. | Type No. | Playing Time at 71/2 IPS | $\begin{gathered} \text { Net Each } \\ 1-11 \quad 12 \text { Up } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 28 R 33507 | 206-1/4-R60 | 60-minutes | 4.49 4.04 |
| 28 R 33515 | 206-1/4-R90 | 90 minutes | 5.695 .12 |
| TVPE 175 TENZAR- $14 / 2$ Mil tenzar coated with a high potency oxide. offers 16 times greater tear resistance than acetate backing. For continuous play, fast stops and starts non-drying siliconp lubricated to protect recorder heads. Avg, shpg, wt., ift. |  |  |  |
| Stock No. | Type No. | Reel Length Feet | $\begin{gathered} \text { Wef Each } \\ 1.11^{2} \text { Up } \end{gathered}$ |
|  | 175-6 | 5", 600 | $\begin{array}{ll}1.68 & 1.51 \\ 258 & 2.32\end{array}$ |

## SCOTCH CASSETTE TAPE

"Positrak" backing ellminates "wow" and assures jam-free cassette periormance. In plastic storage boxes. Avg. Shpg. wt., $6 \mathbf{0 z}$. EXTENDED ENERGY CASSETTES - Highest quallty. low noise. dependable cassette unsurpassed in dynamic range.

|  |  |  | Net Fach |  |
| :--- | :--- | :---: | :---: | :---: |
| stock No. | Typs | Minutes | 1-11 | 12 Up |
| 28 R 33473 | S-C. 30 | 30 | 1.69 | 1.52 |
| 28 R 33416 | S-C.60 | 60 | 1.99 | 1.79 |
| 28 R 33457 | S-C.90 | 90 | 2.99 | 2.69 |
| 28 R 33465 | S-C-120 | 120 | 3.99 | 3.59 |

HIGN ENERGY CASSETTES - New cobalt-energized oxide provides 3 to 5 db increase in signaf-to-noise ratio. Fully compatible with all cassette recorders.

| Stock Mo. | Type | Minutes | Wet Each |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.11 | 12 Up |
| 28 R 33523 | S-C-30HE | 30 | 2.39 | 2.15 |
| 28 R 33531 | S-C-60HE | 60 | 2.79 | 2.51 |
| 28 R 33549 | S-C.90HE | 90 | 3.95 | 3.59 |



## "LIVING LETTERS" 3 INCH TAPE IN PLASTIC MAILERS

$3^{\prime \prime}$ reets providing $1 / 4,1 / 2$ or 1 hour recordings. In convenient hinged plastic mallers meeting postal standards. Shpg. wt., 5, oz.

| Stock Ne. |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Type | Leth. Ft. | 1-11 | 12 Up |
| 28 R 33424 | 111-1.5LL | 150 (1/4 hous) | 2 | 65 |
| 28 R 33432 | 200-3LL | 300 (1/2 hour) | 1.46 | 1.31 |
| 28 R 33259 | 290-6LL | 600 ( 1 hour) | 1.99 | 1.79 |
| \#11 ADDRESS LABELS FOR LL MAILING CONTAINERS. Package of 10 additional pressure-sensitive adhesive address labels for "Living Letters" plastic malling boxes. Shpg. wh. $3 \mathbf{0 2}$. |  |  |  |  |
| 28 R 33440 | ...........L | of 12. ea. | Sing | . 50 |

TYPE 150 EXTRA-PLAY TAPE-1 Mil extra strong Polyester base high fidelity tapes. Withstands high tension and break resistant. All plastic reels. Avg. shpg. wt., 1 lb.

|  |  |  | Net Each |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type No. | Reel | Length Feet | 1.11 | 12 Up |
| 28 R 33168 | $150-9$ | $5^{\prime \prime}$ | 900 | 2.40 | 2.16 |
| 28 R 33176 | 150.18 | $7^{\prime \prime}$ | 1800 | 4.11 | 3.70 |

TYPE 200 TEMSILIZED-Tensilized Polyester . 50 mill 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., 21/4 ibs.

|  |  |  | Net Each |  |  |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Stock No. | Type No, | Reel | Length Feet | 1.11 | 12 Up |
| 28 R 33218 | 200.24 | $7^{\prime \prime}$ | 2400 | 6.68 | 6.02 |
| 28 R 33226 | $200-48 R P S$ | $104 / 2^{\prime \prime}$ | 4800 | 15.11 | 13.60 |

TYPE 290-1/2 MII polyester tensifized tape super strong $50 \%$ extra playing time has silicon tubricant to give minimum of friction wear.

| Stock No. | Type No. | Reel | Length Feet | $1-11$ | Nef Each |
| :--- | :--- | :---: | :---: | :---: | :---: |
| 28 R 33242 | $290-18$ | $5^{\prime \prime}$ | 1800 | 4.92 | 4.43 |
| 28 R 33267 | 290.36 | $7^{\prime \prime}$ | 3600 | 7.99 | 7.19 |

## SCOTCH RECORDING ACCESSORIES

SPLICING TAPE
Pressure-sensitive tape made especially for splicing and editing magnetic tape. Av. shpg. wt., 2 oz .
SCOTCH $41-1 / 2-12.51 / 2 \times 150^{\prime \prime}$ Roll in bag
28 R 33291 .... Lots of 12 .
SCOTCH 41 - $/ 60 \mathrm{~L}$ K $/ 2 x \times 66^{\circ}$. Less dispenser.
28 R 33309 Lots of 12, Ea. . 64 Singly, Ea. 71 SENSING TAPE
Type $517 / 325$ - To actuate automatic stop and reverse on recorders so equipped. $150^{\circ}$ long $\times 7 / 2^{\prime \prime}$ wide. One side foll, other adhesive. Shpg. wt., 202.
28 R 33150 ....................... Lots of 12, Ea. 1.70 Singly, Ea. 1.89 LEADER-TIMER TAPE
Type 24-1 W-Has 1 second Interval markings for $742^{\prime \prime}$ and $15^{\prime \prime}$ per second speeds. $100 \mathrm{ft} .1 / 4^{\mathrm{m}}$ wide roll. Individually boxed. 202.
28 R 3332 E ........................ts 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 agalnst dust. Shpg. wt., 8 oz .
28 R 33317 ...................Lots of 12, Ea. . 90 Singly, Ea. 1.00


## LAFAYETTE

 QUADRUPLE-PLAY $1 / 4$ MIL. RECORDING TAPEFour Times More Recording Time Than Standard Tapes Up To 32 Hours Recording

Greatly extends the playing time of all recorders, particularly 31/4" reell machines. An ultra-thin $1 / 4$ mil tensilized mylar recordIng tape with high-density magnetic coating. Offers excellent frequency response for sharper, brighter recordings. Outstanding performance with capstan-drive recorders.
1100 Ft . on $3 \mathrm{y}_{a^{\prime \prime}}$ Reel. Records 7 hours 20 minutes (all four (racks) af $17 / 8$ ips; 3 hours 40 minutes at $3^{1 / 4}$ ips. Shpg. wt., $40 z$. 28 R01255

Net 2.20
2400 Ft. on $5^{m}$ Reel. Records 16 hours (all four tracks) at $1 \%$ ips; 8 -hours at $33 / 4$ ips. Stereo 2 -track records 8 -hours at $17 / 8$ jps, 4 -hours at $33 / 4$ lps. Shpg. wt., i/2 lb .
28 R 01254
Net 4.65
4800 Ft. en 7 roel. Records 32 hours (all four tracks) at $17 / \mathrm{ips}$; 16 -hours at $33 / 4$ ips; 8 -hours at $71 / 2$ ips. Stereo 2 -track records 16 hours at $1 \% \mathrm{lps}, 8$-hours at $33 / 2 \mathrm{lps}, 4$ - hours at $71 / 2 \mathrm{ips}$, Shpg. Wt. $3 / 4 \mathrm{lb}$.
28 R 01272
Net 8.95

# Electro－Voice and Astatic Cartridges <br> exact duplicate plug．In CARTRIDGE－STYLI COMBINATIONS <br> <br> STEREO PLUG－IN COMBINATION <br> <br> STEREO PLUG－IN COMBINATION CARTRIDGE AND STYLI 

 CARTRIDGE AND STYLI}


A． 1


A－2


$\xrightarrow[6]{4}$
c


Exact duplicate replacements with styli．STYLI CODE：D Dlamond．$S$ Synthetic sapphire．i is 1 mil point for monaural LP； 2 is 2 mil for mono LP \＆ 78 ； 7 is .7 for stereo； 3 is 3 mil for 78 RPM．We will ship elther Electro－Voice．Astatic or cartridge of original manufac－ turer．Color given to assist Identifying original part sometimes is a color dot．Avg．shpg．wt， 3 oz ．

## FOR RCA

| Stock No．Fig． | Mifr．No． | Ast．No．E．V．No，Styll | Not |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{2 4}$ R 50203 | A－ | 105836,37 | $83-1$ | 83 | S．1 | 2.10 |
| 24 | R 50229 | A． | 108555 | $89-1$ | - | S－1 |

## FOR WEBCOR

| 241550237 | A－2 A1919 | White | 911 | 76 | S－1． | S－3 | 2.37 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 24 R 50245 | A－2 A1920 | Pink | $917 X$ | 760 | D－1．S． | 4.17 |  |

## FOR ZENITH

| 24R50260 B | S15222 | Green | 97.1 | 113 | S1 | 2.91 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 R 50278 B | \＄15780 | Red \＆Green | 97－2 | 112 | \＄2 | 2.97 |
| 24 R 50302 C | 142－72 | Yellow | 99.2 | 110 | S2 | 3.00 |
| 24 R 50054 A． 2 | 142－80 | Blue | 931 | 56 | S1，S3 | 2.37 |
| 24.850062 A－2 | 142－83 | Orange | 9317 | 560 | D1， 33 | 4.17 |
| 24 R 50146 A－2 | 142.90 | Red | $93 \mathrm{~T}-1$ | 51 | S1，s3 | 2.37 |
| 24 R 50393 E | 142－103 | Green | 13AT | － | \＄7， 53 | 4.71 |
| 24 R 50195 E | 142－106 | Green | $13 A T X$ |  | 07， 33 | 6.57 |
| 24 R 50401 F | 142－108 | Blue | 111 | 106 | S7．S3 | 4.17 |
| 24 R 50419 F | 142－109 | Blue \＆Gold | 1110 | 106D | 07， 53 | 5.97 |
| 24.50427 G | 142－119 | Dark Green | 131 | 13 | 57． 53 | 5.57 |
| 24 R 50013 G | 142－120 | Dark Green | 137X | 130 | 07， 53 |  |

## OTHER STEREO－MONAURAL TYPES

| $24 R 50096$ | $E$ | Blue－Silver | 105 | 66 | S7，S3 | 4.17 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $24 R 51334$ | F | Brown－White | 115 | 108 | S7．S3 | 4.35 |
| $24 R 51342$ | F | Brown－White | 1150 | 1080 | D7． 53 | 5.37 |

## REPLACEMENT CARTRIDGES FOR LAFAYETTE RECORD CHANGERS AND PHONOGRAPHS

| STOCK ND． | For LaF．Model | MFR／TYPE | NET |
| :---: | :---: | :---: | :---: |
| 24129017 | 200 | ST2VSS | 3.60 |
| 24 \％ 30018 | 400 | 11160 | 9.90 |
| 24 R 01665 | AC50，AC50B |  | 4.95 |
| 24 R 30239 | 30 | 5026 D | 6.90 |
| 24 R 29025 | LSC 45，LSC458，LSC100B LSC8000，LSC8000B，LSC888 | TN4BD | 1.65 |
| 24 R 51524 | MC22，LSC90 | SCSH／667 | 5.37 |
| 24 R 40097 | LSC25，LSC50，MS24，T60 | SKSH | 2.49 |
| 24 R 29033 | M5B | SNH44 | 2.67 |
| 24 R 29041 | MCIOC | TOH44 | 3.00 |
| 24 R 29050 | 133．TPS30，TPS35 | CN720 | 5.10 |
| 24 R 64006 | LSC6000，LSC55 | 1A3D | 3.99 |

## EXACT REPLACEMENTS FOR PLUG－IN AND POWER POINT CARTRIDGES

Exact replacement for the popular Elec． trovoice power points．Astatic Sound－flow and Jensen combination cartridge－styll．Made In U．S．A．Shpg．wt．， 3 oz．
Replacement for Astatic 13TX．Electrovoice 130，and Jensen A－44×SD．Has diamond .7 mil and synthetic sapphire 3 mil styli．
24 ： 37036


13 placment for Astatic 13T，Electrovoice 13．and Jensen A－44X．Same as above but both tlos synthetic sapphlre．
24 R 3702：
Net 2.95
Repiacement for Astatic 81T，Electrovoice 81，and Jensen A－41．Has 1 mil and 3 mil styli－both synthetic sapphire．
24 R 37010 $\qquad$ Net－1．89
 방른
－Monaural or Stereo
－ 0.5 V．Output
Play either stereo or monaural． 4 terminals，channel separatlon： 20 db ．response $20-15,000 \mathrm{~Hz}$ except is 25 db and $30-20,000 \cdot \mathrm{~Hz}$ with 350 mv output．RIAA equalized．Dutput 0.5 V ，tracking force 6 gm ．Select unit with mount If making an original installation in a standard arm；units less mount just slip into original mount． We will ship either Astatic or Electro－Voice．Shpa．wt．， 3 oz．

| Stock Mo． | Ast．Mo． | E．V．No． | Styli | Mount | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 月 50120 | 1117 | 11 | S7，S7 | Less | 3.57 |
| 24 1 50138 | 13 T 6 | 138 | S7． 53 | whth | 4.17 |
| 24 ¢ 50427 | 131 | 13 | S7．S3 | Less | 3.57 |
| 24 R 50161 | 1358X | 130B | 07． 53 | With | 5.97 |
| 24月50013 | 131 X | 13 D | 07． 53 | Less | 5.37 |
| 24.50393 | 13AT＊ | － | 57． 53 | Less | 4.77 |
| 24 R 50195 | 13ATX＊ | － | 07． 53 | Less | ． 6.57 |

24 R 50435 STEREO MOUNT for all above
.60
WIDE RANGE AND HI－FI PLUG－IN ए－－MONAURAL CARTRIDGES

All are turnover type ceramic cartridges with dual 1 mil and 3 mif styil．Styil code same as all other cartridges on page．We will ship elther Astatic or Electro－Voice．Shpr．wt．． 3 oz ．

WIOE RANGE TYPES
Replaces Sonotone 2T，Shure PC－2， 4 series and many others．

| Stock No． | Ast．Mo． | E．V．No． | Styll | Mount | Not |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 R 50443 | 81 TB | 818 | S1，S3 | with | 2.97 |
| 24 $\mathrm{R}^{2} 50021$ | 815 | 81 | S1， 53 | Less | 2.37 |
| 24 450476 | 817X | 810 | D1， 33 | Less | 4.17 |
| HIGH FIOELITY TYPES <br> Replaces Sonotone 3 series，Shure PC． 6 ，etc． |  |  |  |  |  |
| Stock No． | Ast．Mo． | E．V．Mo． | Styll | Mount | Net |
| 24.50484 | 891B | 898 | S1． 53 | With | 3.57 |
| 24 R 50492 | 891 | 89 | S1，S3 | Less | 2.97 |
| 24 R 50518 | 897X | 890 | D1， 53 | Less | 4.77 |

## 24 R 50526 MONAURAL MOUNT for all above

## ASTATIC STEREO MONAURAL CARTRIDGES

All crystal turnover cartridges except＊which are ceramic turn－ over．All are equipped with 7 mil and 3 mil synthetic sapphire styll except $\dagger$ has． 7 mil diamond and 3 mil synthetic sapphire styll to play stereo．LP and std． 78 RPM．ShDg．Wi．， 3 oz．

|  | Steck No． | Fig． | Mir．No． | Output | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | 24 R 50534 | M | 70－TS | 2.0 V | 4.35 |
| 15 | 24．R 50542 | M | 74－1S | 2.0 V | 4.35 |
|  | 24 R 50559 | N | $76 T$ S | 2.0 V | 4.77 |
|  | 24 R 50567 | M | 80.15 | 0.8 V | 4.50 |
|  | 24 R 50575＊ | P | 17 | 0.4 V | 7.05 |
| N | 24日 $50583{ }^{+}+$ | P | 170 | 0.4 V | 9.45 |
|  | 24 R sos91t | N | 860 | 0.8 V | 0.10 |
|  | 24R 50609 | N | $86 T$ SB | 0.8 V | 5.10 |
|  | $24 \mathrm{R} 51359^{*}$ | 0 | 133 | 0.5 V | 5.85 |
|  | 24 只51367＊＊ | 0 | 1330 | 0.5 V | 8.25 |
|  | 24.851318 | R | 140 | 1.0 V | 4.50 |
|  | 24 R $51326 \dagger$ | R | 1400 | 1.0 V | 7.50 |
|  | 24R 51375 | R | 142 | 2.0 V | 4.35 |
|  | 24 R 51425 ¢ | R | 142 D | 2.0 V | 1.35 |
|  | 24 R 51433 | R | 142 R | 2.0 V | 5.55 |
|  | 24 R 51441＋ | R | 142RD | 2.0 V | 7.35 |
|  | 24 R 51383 | R | 146 | 3.0 V | 3.87 |
|  | 24 R 51458 | R | 710 | 0.5 V | 5.97 |
| L－5 | 24R 51466t | R | 7100 | 0.5 V | 9.90 |

## ASTATIC REPLACEMENTS FOR <br> VACO CARTRIDGES <br> S

Crystal cartridges to replace Vaco cartridges used in many changers such as BSR．Glaser－Steers etc．Turnover type equipped with 2 needles．Tip Code；LS 1 mil and 3 mll ： LT .7 mil and 3 mil ．Shpg． wt．， 302
Slock No．Ast．No．Tip Fig．Vace Equiv．Output Net．

| 24 | R 50617 | 470 | LS | S | TO－45 X（G） |  | 3.0 | 3.57 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 24 | R 50625 | 472 | LT | T | ST－2X，100X，20X，20G | 0.8 | 4.50 |  |
| 24 | R 50633 | 474 | LT | T | ST－ $200 X, 40 X, 4 X, 40 G$ | 2.0 | 4.35 |  |

[^11]
# Astatic and Electro-Voice Cartridges 



## MONAURAL REPLACEMENT CARTRIDGES

Order by stock number. We will ship either Astatic or Electrovoice. TURNOVER TYPES
All are equipped with dual synthetic sapphire styli; 1 mil (LP) and 3 mil (std 78). Average shpg. wt., 302.

| Stock No. | ASt No. | E.V. No. | Fig. | NET | Stock No. | AST No. | E.V. No, | Fis. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 R 50658 | 407 | - | AA | 4.17 | 24 A 50781 | 3107 | 62 | U | 3.27 |
| 24 R 50666 | 40.18 |  | B | 5.07 | 24 R 50799 | 31075 | 63 |  | 3.27 |
| 24 R 50690 | 551 | 38 | PP | 4.77 | 24 R 50823 | 314 TS | 68 | R | 3.27 |
| 24 R 50716 | 62 TY | 43 | 1 | 4.77 | 24 R 50864 | 420 | 80 | 8B | 3.27 |
| 24 R 50724 | $64 T S$ | 84 | R | 4.17 | 24 R 50872 | 422 | 82 | 88 | 3.57 |
| 24 R 50732 | 66TS | 48 | RR | 4.35 | 24 R 30205 | 445 | 38 |  | 8.44 |
| 24 R 50740 | 66 TY | 49 | $J$ | 3.90 | 24 R 50765 | 120 |  | V-1 | 3.87 |
| 24 R 50757 | 118 | 91 | V-1 | 3.87 |  |  |  |  |  |

MICROGROOVE TYPES
All with synthetic sapphire 1 mil styil for LP only. Except " has .7 mll . Shpg. wt. 3 oz.

| Stock No. | ASTNo. E.Y. No. Fig. | NET | Stock Mo. | AST No: | E.Y. No. Fig. | NET |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 R 51011 | $62-1$ | 41 | Q | 2.97 | 24 R 51045 | $414-1$ | 77 | U | 2.67 |
| $24 R 51029$ | $310-7$ | 58 | T | 2.37 |  |  |  |  |  |

## ALL GROOVE TYPES

All equipped with single 2 mil synthetic sapphire styll for all speeds except * Is osmium tip and $\dagger$ is less needle. Shpg, wt., 302.

| Stock No. | AST Mo. | E.V. No. | Fig. | NET | Stock No. | AST No. | E.V. No. Fig. | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 R 51052 | $16 \dagger$ | 17 | H | 2.37 | 24 R 51102 | 66-2 | H | 2.97 |
| 24 R 51391 | 18 | 18 | M | 1.95 | 24 R 51128 | $310 \cdot 2$ | 59 T | 2.97 |
| 24 R 51094 | $51-2$ |  | 0 | 4.44 | 24 R 51144 | 414-2 | 78 U | 2.67 |

## REPLACEMENT FOR MAGNAVOX

Complete with mounting hardware and dual synthetic sapphire styll except the LP needie in types ending in D are diamond. tindicates stereo cartridge. Shpg. wt., 302.

| Stock Mo. | Mrf. No. Fig. |  | Replaces Magnavor No. | NE |
| :---: | :---: | :---: | :---: | :---: |
| 24 251169 | 463 | 1 | 560216-1-2, 560217-2, 560218-1-2 | 6. 30 |
| 24 R 51177 | 4630 | 1 | 560219-2, 560228-1-2, 560229-2 | 8.70 |
| 24 R 51185 | $461+$ | 2 | $560281-1-4,560296 \cdot 3 \cdot 7$ | 6.30 |
| 24 R 51193 | $4610 \dagger$ | 2 | 560290-1-3* | 8.70 |
| 24 R 51201 | $459+$ | 3 | 56029-1-2, $560275 \cdot 1-2$ | 6.30 |
| 24 R 51219 | 4590 ${ }^{\text {1 }}$ | 3 | 560290-1-3*** | 8.70 |
| 24 R 51409 | 163D ${ }^{\text {f }}$ | 4 | 56035011 | 8.70 |
| 24月51417 | 165D $\dagger$ | 4 | 560355-1 | 7.50 |
| 24 R 51516 | 195D | 4 | 560365-2 | 7.50 |

- for Magnavox $560290 \cdot 1$ or -3 use Astatic 459 series for 2 hole



## REPLACEMENT CARTRIDGE FOR RCA

- Replacement for cartridges in many thousands of RCA-4S and many LP record changers - 1 mil Synthetic Sapphire Stylus e 2.3 volt output - High Impedance Crystal Takes 7.10 grams pressure - $5 / 8^{\prime \prime}$ Mounting Centers
Exact replacement for many standard 45 RPM and $331 / 3$ RPM cartridges. For RCA: 74067, $74625,75476,75575,76318$; and Shure: W31AR, P73, P73A, P73AR, P73R. 24 R 60012 Imported


Synthetic Sapphire replacement stylus for above. 24 R 02055

## E.V SERIES 20 HIFI STEREO-MONOPHONIC CARTRIDGES

Hi-Fi Ceramic cartridges. Exclusive design eliminates tuintable rumble. 21 serles are single needle types with .7 mll styli to play stereo and LP monaural. 26 series are turnover types with .7 mil and 3 mil styli to play stereo and all monaural records. Tip CODE $S=$ SNNTHETIC SAPPHIRE. $D=$ DIAMOND. Shpg. wt., 3 oz.

| Stock No. | E.Y. No. | Styli | NET |
| :---: | :---: | :---: | :---: |
| 24 R 30055 | 21 | S. 7 | 6.30 |
| 24 R 30072 | 210 | 0. 7 | 9.00 |
| 24 R 30098 | 26 | S-7, 5-3 | 6.90 |
| 24 R 30114 | 26D | D-.7. 5-3 | 9.90 |

# ELECTRD-VOICE FEATHERIDE WIDE-RANGE CERAMIC 

- Absolutely Scratch Proof
- Plays Stereo or Monaural

Protect your records with these fine floatingaction spring-suspension cartridges which makes it practically impossible to damage either record or stylus. Reduces distortion caused by warped records. Both are HI-fi quality and will fit all standard arms with Ko" or $1 / 2^{\prime \prime}$ mtg. centers. Excellent separation and low distortion. Equipped with .7 mil diamond and 3 mil synthetic sapphire styil. Shpg, wt, 301.
TYPE 149DF Track pressure 2.4 grams. 24 R 30163

Net 10.50
TYPE 150DF Tracking pressure $4-6$ grams.
24 R 30171
Net 10.50


## REPLACEMENTS <br> FOR RCA STEREO

All equipped with dual .7 mil and 3 mil styli. Types with "have diamond .7 mil and syn thetic sapphire 3 mil ; others both tips synthetic sapphlre. Series 475 in phase; series 477 out of phase. Serles 487 feather action. We will ship either E.V. or Astatic. Shpg. wt., 3 oz .

| stock No. | $\begin{aligned} & \text { AST } \\ & \text { Mo. } \end{aligned}$ | $\begin{aligned} & \text { E.V. } \\ & \text { No. } \end{aligned}$ | $\begin{aligned} & \text { Repiates } \\ & \text { RCA } \end{aligned}$ | NET |
| :---: | :---: | :---: | :---: | :---: |
| 24 R 51227 | 475 | 54 | 108213, A | 6.00 |
|  |  |  | 11021 |  |
| 24 R 51235 | * 4750 | 540 | 106960, A | 11.40 |
|  |  |  | 11023 |  |
| 24 R 51243 | 477 | 133 | 106771, A, B | 6.00 |
| 24 R 51250 | -4770 | 133D | 106770, A, B | 11.40 |
| 24 R 51276 | * 4370 | 195D | 111348 | 11.61 |

## BSR STEREO AND MONAURAL TURNOVER CARTRIDGES

(A)


The BSR TC8S/SK1H stereo and TCBH/KIHE output monaural cartridges are designed for quality performance. Both are turnover types. Complete with turnover mechanism. Imported. Shpg. wt., 3 oz.
MONAURAL TYPE (Fig. A) Replaces BSR TCBM, TC8H/1, TC8H/2 and XiHE with 1 and 3 mil styli, mte, bracket..
24 R 40014
Net 1.79
STEREO/MONAURAL (FIg. B) Replaces BSR,
TCBS. TCESM and SX1H, With .7 and 3 mil styll, mis. bracket.
24 R 40022
Net 2.25

# Popular Replacement Cartridges ASTATIC SONOTONE CERAMIC CARTRIDGES 



High performance ceramic cartridge now in use by many phono manufacturers and ideal for either general replacement or updating present equipment. All are stereo, stereo. monaural except series 3 T which is for mon. aural use only. Series $21 \mathrm{~T}, 24 \mathrm{TA}$ are designed
for use with transistorized equipment. Series 9TAF, 16TAF, $18 \mathrm{~T}, 21 \mathrm{~F}$, and 24 TA feature the accldent-proof, drop-proof Sono.flex "if" stylus. All have standard mounting dimen sions. Styli code for all below: O-diamond sions. Styli code for all below: O-diamond
S-synthetic sapphire. Avg. shpg. wt. 3 oz.

| Stock No. | Model | Fis. | Styli | Met | Stoch Mo. | Model |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 R 79012 | $3 \mathrm{~T} \cdot \mathrm{~S}$ | 1 | S1-S3 |  |  |  | Fig. | Styli | Net |
| $24 R 79020$ | 3 T .50 | 1 | 01-S3 | 7.85 | $24 R 79210$ <br> 24 | 16TAF-S | 5 | S.7-5.3 | 4.92 |
| 24 R 79079 | 8TA.4S | 2 | S.7-53 | 6.60 | 24R 79236 | 16TAF-SO | 5 | 0.7 .53 | 6.99 |
| 24 <br> 24879087 <br> 2095 | 8TA-4SO | 2 | 0.7.53 | 8.70 | 24 R 79244 | 18TA -S | 5 | S.7.53 | 4.53 |
| 24 R 79095 24 R 7917 | 8TA.4S77. | 2 | 5.7.5. 7 | 6.60 | 24 R 79269 | 18TA -SD | 5 | 0.7.53 | 6.60 |
| 24R 2491981 | 9TAFHC.S 9TAFHC.SO | 3 | 5.7.53 | 7.05 | $24 R 79509$ | 217.5 | 6 | 5.7.53 | 5.37 |
| 24 R 79343 | 1072-LB-S | 3 | 0.7 .53 5.7 .53 | 9.09 | 24R 79525 | 21T.SD | 6 | 0.7.53 | 7.35 |
| 24 R 79350 | 1012-18.SD | 4 | S.7-53 D.7-53 | 4.99 6.96 | 24 A 79533 | 24 TA.S | 6 | S.7.53 | 6.60 |
|  |  | 4 | D.7.53 | 6.96 | 24 ${ }^{\text {a } 79558}$ | 24TA.SD | 6 | D.7.53 | 0.79 |

## REPLACEMENT CARTRIDGE FOR GARRARD 30 <br>  <br> Exact replacement cartridge for Garrard Model 30 automatic turntable. Ceramic turnover cartridge has .7 mil diamond stylus and 3 mil synthetic sapphire stylus. Shpg. wt., 3 or. ${ }_{2}$ R 30239 Replacement stylus assembly for above. Shos. Net 6.90 24 R 03335 02

## replacement cartridges for vaco and ronette



Replacements for thousands of changers and players both imported and domestic. All types equipped with synthetic sapphire stylf and turnover mechanism. Im. ported. Shpg. wi., 3 oz.
Stereo/monaural with .7 mil and 3 mil styii mitg. bracket and knob, Output 7 volts. Re Dlaces vaco ST-2, ST2x, ST-20, ST20X SI-100, ST-100X; Ronette iypes $1,2,3,4$ 92 and 105 series, stereo ov series and stereo T series; Astatic 86TSB, 80TS and EV 95 and 97 . Imported.
99 R 10167
REPLLCEMENT STYLI
99 110175.7 mll for stereo 99 R 101833 mil for 78 Diamond .7 mil for stereo 24 म 01586

Net 1.99
Net .99
Net . 99
Net 2.49
Stereo/monaural. Same as above but output is 2 volts. Replaces VACO ST4, ST4X ST5. ST5X, ST40, ST40X, ST200, ST200X and Ronnette 106 series. 208 series, Astatic 76 TSB, 70 TS and E.V. 96 and 98. Imported. 24 月 79103

Net 2.99
Monaural with 1 mil and 3 mil styli, mtg . bracket and knob. Output: 2.3 volts. Re places Vaco types T45, TO45, T045x. Ronnette types 15, 18, 21. 24. 7825, DC395 DC395S, DC400, DC-400-222. DC-400-222S, DC500, TO-284 serles. TO285I, T0287 series. Astatic series, TO-400-200, T0-400-222; Astatic 420, 120 and E.V. 80. 88. Import.
99 R 10225 99 R 10225 Nel 1.79

## BSR 45 RPM SPINDLES

Fig. $A$

fig. $c+$

For automafic operation of stack of 4 R.P.H. records on BSR Changers. Shpg. Wt.,
4.02 .

Fig. A. Fol use with BSR Model UA-15 24 R 40055 Net 1.75 Fig. C. Flat spindle for use with UA.15SS UA.25, UA.40. MeDonald 400,500,500A,600: 6SA $1500,2500,15,25,65$ and 75 serles. 24 R 02204

Net 1.49
Fig. C. For use with Mini-Changer UA-50.

Nel 1.49


This high fidelity monaural turnover cartridge is equipped with dual styli to play all types of both monaural and stereo records, Has .7 mil and 3 mil synthetic styli. Re. places a host of cartridges including pre. vious Sonotone models of 2 T series, 9980 series which were used in thousands of record changers and players. Frequency response: $20.20,000 \mathrm{~Hz}$-flat to $12,000 \quad \mathrm{~Hz}$; output 1 -volt; compliance $2.0 \times 10.4 \mathrm{~cm} / \mathrm{dyne}$; tracking force 6 grams. Ceramic element highly immune to heat and humidity. iniport. 24 R 79111 Shpg. wt., 3 oz. Net 3.95


## VR-1000 STEREO CARTRIDGES

Variable reluctance stereo cartiliges featur ing extended frequency response and low tracking pressure. Supplled with diamond
stylus. stylus

VA.1000-3 ELLIPTICAL OIAMONO NEEOLE STEREO CARTRIOGE. For any quality changer or tone arm that tracks from 3-7 grams vertical force. Shpg. wi., 5 oz .

## 21 R 384931

VR-1000-5 FOR TURNTABIES Net 20.84 VR-1000-5 FOR TURNTABIES. Complete with .5 mil. dlamond stylus for use with auto matic-turntables or professional tone apms That track at 4 grams or less. Shipg. Wh. 5 gol
21 R 30014 t VR-1000.7 FOR CMANGERS Net 15.10 same as VR-1000-5 but essentially the greater 3.7 gram tracking force required by 21 R 30030 L changers. 7 mil diamond stylus. 21 R 38030 L Shipg. wt. 502. Net 12.59
VR-II MONAURAL CARTRIDGES
Variable reluctance monaural cartridges fea turing smooth frequency response and ex tremely high compliance. Utillzes clip-in tip stylus assembly for simple installation. Cartridges supplied less stylus. Select stylus typers) to suit your particular application
VR-IIS SINGLE-TYPE CARTRIOGE. "Single-
PIay" Gatridge Play" cartridge accommodating one stylus. Supplied less stylus. Select stylus from list ing below. Shpg. wi., 302.
21 R 38519 LCarirldre less stylus. Net 5.42 VR-110 OUAL TYPE CARTRIOGE, COnvenient dual stylus "Triple.Play" cartridge. Atwist of the knob brings either microgroove (LP or 45 RPM ) or standard. 78 RPM stylus into oosition. Supolled less styli, Select styli from listing below. Shpg. Wt. 3102 .

## G.E. STYLI

Individuar stylus tips for va.11 serles car tridges. D-diamond stylus. S-synthefic stylus. Shpg. Wt., 3 oz.

| Stock No. | GE Type | Stylus | Net |
| :--- | ---: | ---: | ---: |
| 21 R 38188 L | $4 \mathrm{G}-07 \mathrm{~S}$ | 7 mil S | 1.42 |
| 21 R 38196 L | $4 \mathrm{G} \cdot 02 \mathrm{~S}$ | 2.5 mil S | 1.42 |
| 21 R 38204 L | $4 \mathrm{G}-03 \mathrm{~S}$ | 3 mil S | 1.42 |
| 21 R 38212 L | $4 \mathrm{G}-070$ | 7 mil D | 3.33 |
| 21 R 38220 L | $4 \mathrm{G}-020$ | 2.5 mil D | 3.33 |
| 21 B 38238 L | $4 \mathrm{G}-03 \mathrm{D}$ | 3 mil D | 3.33 |

MODELS C100A and C200 STEREO CERAMIC CARTRIDGES


MODEL C100A A quality stereo ceramic re. placement cartridge for thousands of phonographs and changers in use loday. Frea response 20 thru 12.000 Hz output 450 millivolts. With .0007 dia. and .003 synthetic sapphire stylus.
21 R 38469 L Shpg. wt., 3 oz $\qquad$ Net 8.07 MODEL C200-Essentially same as Model Cl00A except frequency response 20 thru $17,000 \mathrm{~Hz}$, output 300 millivolts. 21 R 38477 L Shpg. Wt. 3 oz . Net 8.07 TA.1 Replacement stylus for C100A and C200. 21 R 304 asL Shpg. wh. 3 oz ......Nef 4.17

# Phono Preamps, Amplifiers \& Accessories LAFAYETTE PHONO PREAMPLIFIERS 

- Ideal For Use With Amplifiers That Do Not Have Low Level Inputs For Magnetic Cartridges


## LAFAYETTE SOLID STATE STEREO PHONO PREAMP

\author{

- 4 Silicon Transistor Circuitry
}

A self-powered, compact solid-state stereo phono preamplifier especially designed for use with HI-FI stereo amplifiers not having magnetic cartridge inputs. The exceptional feature of this preamplifier is that its compact size permits mounting quickly and simply to the sides or back of the record changer/player base, without marring the appearance of your matched Mi-FI system.

- Compact Size Permits Concealed Mounting

Frequency response: $30-20,000 \mathrm{~Hz}$. RIAA Playback Curve. Gain; 6 mv . inpot for 0.5 volt output. Input Impedance: 50,000 ohms. S/N ratio over 60 db . Input: 2 RCA type phono jacks. Output: 2 RCA type phono jacks. Power Supdly: $117 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$. Power con sumption: 1 watt. Size: $4 \times 2 \frac{1}{2} \times 12 \sqrt{2^{\prime \prime}}$. Im ported. Shpg. wt., 1 to. 99 R 02198
$\qquad$ il $\quad$ Net 7.95

## MONAURAL PHONO PREAMP

A self powered monaural preamplifier for use with any Hi-Fi amplifier that does not have a low level input for magnetic cartridges, tape head, or microphone. Response $\pm 2 \mathrm{db} 30-20,000 \mathrm{~Hz}$. Gain (Phono): $40 \mathrm{db}, 5$ my input for 1 volt output. Gain-Mike 60 db , 1 my 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, $50 / 60 \mathrm{~Hz}, 4$ watts. Size: $33 / 4 \times 3 \% \times 3^{11} 1 \mathrm{Ks}^{\prime \prime}$. Pollshed chrome chassis. Less 12AX7A tube. Imported. Shpg. wt., 2 lbs.
99 R 11380
Net 6.95
12AX7A tube for above. Shpg. wh. 402. 36 R 31900 ........................... 1.40

## STEREO PHONO PREAMP

Self-powered stereo preampllifier for use with any stereo amplifier that does not have low level inputs for magnetic cartridge, tape head, or microphone. Response: $\pm 2$ do 30-20,000 Hz. Galn (Phonograph): 40 db .5 mv Input for 1 volt output. Gain (Microphone): $60 \mathrm{db}, 1 \mathrm{my}$ input for 1 volt output. Output impedance: 100.000 ohms. Preamp has Phono.

Tape-Equalization Switch, 4 input jachs, 2 16-inch output leads with RCA phono plugs. Power supply: $105-125$ VAC, $50 / 60 \mathrm{~Hz}, 8$ watts. Size: $53 \% \times 3 \% \times 41 / \mathrm{s}^{\prime \prime}$, Polished chrome chassis. Iess 2 12Ax7A tubes. Imported. 99 R. 01398 Shpes. wt., $23 / 4$ ibs. Net 9.95 12ax7a tube for above ( 2 required) 36 R 31900

Net 1.40


- Variable Tone Control


## PHONO AMPLIFIER

THREE TUBE AC-DC

## $4^{98}$

(Less Tubes)

4 TUBE AC/DC STEREO

Equipped with a variable tone control and volume control with off position. Delivers up to 2 watts output to 3 ohm speaker. Uses 3 tubes: $35 \mathrm{~W} 4,50 \mathrm{C} 5,12 A V 6$. Input impedance; 150 K ohms. Features top mounted output transformer. Less tubes. Size: $5 \% \times 2 \% \times 4^{\prime \prime}$. imported. Shpg. wt. $11 / 2 \mathrm{lbs}$
99 R 01539 Net 4.98
36. $\mathbf{R} 90013 \mathrm{M}$ Kit of 3 tubes. Shpg. wt.; 9 oz ...........Net 3.38

PHONO AMPLIFIER


- 2 Output Transformers
- 2 Separate Tone Controls


Powerful yet compact stereo amplifier produces up to 2 watts per channel. Uses 4 tubes: 2 12AV6 2 50C5. Selenium rectifler power supply. Output impedance: $\mathbf{3} \mathrm{ohms}$. Separate volume controls for each channel. Size: $6^{1 K_{0}} \times 2 K_{4} \times 4^{\prime \prime}$. Less tubes. Imported. Wh., 31 bs
99 R 01547
Net 6.95
36 R 90021 M Kit of 4 tubes. Shpg. wt., 12 oz ........... Net 5.24

## 4-SPEED PHONO MOTOR

Quiet dependable AC operation assured by shock. mounted friction drive motor. Speed change controt through idler driving rim of $8^{\prime \prime}$ turntable having retractable 45 RPM center adapter. Requires $21 / 2^{*}$ below base plate. Shpg. wt., $21 / 4 \mathrm{lbs}$.
24 R 27029 Motor and tumtable ......... Net 5.95 24 R 35014 Mounting boards. Wi., 2 ib. Net 1.50


STEREO/MONAURAL PICKUP

## 219

High output crystal turnover cartridge for either stereo or monaural operation. Synthetic sapphire needies (1 mil and 3 mil ) for LP and standard 78 RPM use. Replacement for most manual players. Mounts in Kon dla. circular hole. Imported.
99 R 10241 Shpg, wt., 5 oz. .... Net 2.19 Synthetic Sapphire LP replacement needle. 99 R 10274 Shpg wt. 2 oz. .... Net . 99 Synthetic Sapphire STD replacement needie. 99 R 10282 Shpg. wt., 2 oz. .... Net .99

## AUTOMATIC HI-FI SHUTOFF $5^{25}$ <br> 

Shuts off Mi-Fi equipment at the end of the last record. A 3 -position switch allows the use of thls 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, amplifler outlet, and 6 tt . AC cord. Size:
 24 R 28019

Net 5.25

RADIO BROADCASTER/ PHONO OSCILLATOR


Have fun making announcements and broadcasting music tirrough 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 12 BE 6 and 35 W 4 tubes, phono jack, 2 feet of antenna, schematic and line cord. Completely wired. Chassis size: $4 \times 2^{\circ}$. For 110.125 V A己-DC operation. Imported. 99 R 01778 Shpg. Wt., $13 / 4$ Ibs. Net 5.29 Lafayette Cat. No. 720

141

## LAFAYEETE Replacement Styli <br> MADE FOR LAFAYETTE BY THE FOREMOST AMERICAN MANUFACTURERS



The symbols in the column headed＂PT SIZE＂are explained in the table below．
tP＝Monaural 1 MIL DIAMONO MICROGROOVE FOR $331 / 2$ AND 45 RPM
COMB＝MOMAURAL OUAL 1 MIL OIAMONO AND 3 MIL SYNTHETIC SAPPHIRE $S=$ STEREO 7 MIL DIAMOND
SSI＝STEREO． 7 MIL DIAMOND AND 3 MIL SYN．EXCEPT THOSE NOTED SLP $=$ STEREO 7 MIL DIAMONO AND 1 MIL SYK．
 PAGE
 THETIC SAPPHIRE


LAFAYETTE DIAMOND STYLI ARE MADE FROM WHOLE DIAMONDS， PRECISION GROUND AND POLISHED．SAPPHIRE STYLI ARE FINEST SYNTHETIC．

## HOW TO ORDER

Identify your needle by cartridge number and illus． tration on this and the facing page．Order by the appropriate stock number．sing．wt．， 3 or．

| Stock <br> No． | Size <br> PL． | Fig | Cartridge |
| :---: | :---: | :---: | :---: |

FOR ACOS CARTRIDGES
24 R 01602 SST $1 \quad 73.1$
FOR ADMIRAL CARTAIOGES

FOR BSR CARTRIOGES

$24 \mathrm{R} 02758 \mathrm{Cwmb} 22 \mathrm{XIM}, \mathrm{X} 1 \mathrm{H}, \mathrm{X} 1 \mathrm{HE}$ fOR COLUMBIA CARTRIOGES
24 R01560 S 23 SCI，2，7，8
FOR ELIC．MfROTWIN CARTRIDGES
24 R 01701 SST 24 KST－104，PE－182
FOR ELECTRO－VOICE CARTRIOGES

24R 01529 s
24 R 01867 SST $\quad 5 \quad 21$ and 26 Series
$\begin{array}{lllll}24 \mathrm{R} & 01867 & \text { SST } 26 & 117,131,131 \mathrm{D}\end{array}$
$\begin{array}{ll}24 R 01875 \\ 24 R & \text { SST }\end{array}$ 24 R 01883 SST 24 R 02337 SST 24 R 02345 SST
24 R 02782 SST

| Stock No． | Size | Flg． | ．Cartridge |
| :---: | :---: | :---: | :---: |
| 24 R 02956 | SST | 32 | 5015 |
| 241202964 | SST | 33 | 5050， 5051 |
| 24＇R 03335 | SSt | 80 | 5026． |
| 24 R 04077 | S | 83 | 5078 |
| 24 R 04085 | SSt | 84 | 5082 |
| 24 R 04093 | SST | 84 | 5026，5080 |
| 24 R 04101 | SSt | 64 | 5076． |
| 24 R 04119 | SSI | 14 | 5083，5084 |
| 24 R 04127 | SST | 35 | 5093， 5094 |
| FOR | EUPH | NICS | CARTRIDGES |
| 24 R 01651 | 5 | 34 | ［E1－3 |
| 24 R 01719 | 5 | 35 | U－1－2－4－5 |
| 24 R 01784 | SST | 36 | U－1 |
| 24 R 01891 | \＄ST | 36 | U．10，U－11 |
| 24 R 02352 | SST | 36 | U－12，U－13 |
| FOR GEMERAL ELECTRIC CARTRIDGES |  |  |  |
| 24 ค 01347 | LP | 37 A | RPX040，041， 042 |
| 24 R 01362 | LP | 38. | RPX040A，050A． 063A |
| 24 R 01370 | LP | 39 | VRII Series，46－050 |
| 24 R 01594 | 5 | 40 G | GC． 7 Series，40－050 |
| 24 R 01610 | 5 | 40 V | VR221 |
| 24 R 01776 | SST | 41 C | C100 |
| 24 A 02360 S | SST | 41 C | C200，C100A |
| 24 R 02378 | SSt | 42 C | C500 |
| 14 R 01354 C | Comb． | 43 R | RPJ．013，－ |
| 4 R 04135 S | SST | 42 C | C－650（REV） |
| 4 R 04143 S | S | 86 C | c．660 |

24 月 01180 Comb | 24 | R 01396 Comb． | 44 | $560177,88-1$ |
| :--- | :--- | :--- | :--- | 24 R 01461 Comb． $45 \quad 560161$ $\begin{array}{llrl}24 & 01792 & \text { LP } & 12 \\ 24 & 560176,80 \\ 24 & 01529 & S & 560233-4\end{array}$ 24 R 01669 SST $\quad 46 \quad 560260-1$ $24 R 01875$ SST $27 \quad 560305.1$ 24 R 02576 SST $47 \quad 560344.45$ 24 R 02774 SST 18560355 $\begin{array}{llll}24 & \text { R } 02782 & \text { SST } & 31 \quad 560365\end{array}$

FOR MASTERCRAFT CARTAIOGES 24 R 02584 SST 48 RP100

FOR MOTOROLA CARTRIDGES

| 24 | $R 01529$ | 5 | 6 |
| :--- | :--- | :--- | :--- |
| 24 | $59 K 643335$ |  |  | 24 R $01537 \mathrm{~S} \quad 5 \quad 59864395$

FOR PERPETUUM－EBNER CARTRIDGES
24 R 01420 Comb． 49 PE－8，PE． 10 $\begin{array}{lllll}24 & R & 01537 \\ 24 & \text { R } 02790 & \text { SST } & \text { PE90（M，N）}\end{array}$ $\begin{array}{lllll}24 & \text { R } 02790 & \text { SST } & 51 & \text { PE．} 186 \\ 24 & \text { R } 02808 & \text { SST } & 51 & \text { PE．} 188\end{array}$

FOR PHILCO CARTRIOGES
24 R 01404 Comb． 44 M20，22，25，45．

| Stock Ne． | Size Pt． | Fis． | Cartridge |
| :---: | :---: | :---: | :---: |
| 24 101529 | 5 | 5 | 35－2809， |
| 24 R 01537 | 5 | 6 | 35－2820， |
| 24 月 01586 | \＄ | 12 | 35．2827， 29 |
| FOR PHILLIPS CARTRIOGES |  |  |  |
| 24 R 01909 | SST | 52 | A63306， 3310 |
| FOR RCA CARTRIDGES |  |  |  |
| 24 R 01156 | LP | 2 | S5652， 76257 |
| 24 R 01214 | LP | 7 | 76257，988370．2 |
| 24 R 01222 | LP | － | $74067{ }^{7}$ |
| 24 R 01248 | Comb． | 9 | 100329 |
| 24.801347 | LP | 37 | 74466 |
| 24 R 01461 | Camb． | 45 | 76748， 100653 |
| 24 <br> 24 <br> R 01537 | S ${ }_{\text {S }}$ | 5 | RM P200，T，T－1 |
| 24 R 21768 | SST | 53 | 106770，1，106960A |
| 24 R 02394 | SST | 54 | 111348，200．42 |
| 24 R 02402 | S | 55 | $115059^{200 \cdot A 2}$ |
| 24.802592 | SST | 56 | RMP－204， 115276 |
| 24 R 02600 | SST | 57 | $117330{ }^{\text {，}}$ |
| 24 R 02816 | 5 | 58 | 116931 |
| 24 R 03277 | 5 | 59 | 126316 |
| 24 月 04150 | SSY | 87 | 131779 |
| 24 R 04168 | 5 | 88 | 131788， 132034 |

FOR RONETTE CARTRIDGES $\begin{array}{lll}24 R 01537 ~ S & 6 \\ 24 & \text { R } 01792 \text { LP } & \text { BF } 40,105,-106\end{array}$


## DUAL DIAMOND STEREO STYLI

Stylf 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．Fig． ures shown at top of two facing pages． （FIG．11）．Replaces Astatic N41SD styll in 24 R $01800^{170}$ cartridge．
24 R 01800
（FIC．53）．Replaces RCA styli．Net 3.49 110022 in cartridge serles RPM 11020 and A． $108213 \mathrm{~A}, 106770$ A and 106771 ． 10690 24 R D1818 106770 A and 106771A．
$24 R 01818$
（FIG．46）．Replaces Sonot．．．．．．．．．．．．．． 3.49 （FIG．46）．Replaces Sonotone styll N－8TAS SD．DD in cartridge 8T，81A．
24 R 01826
Net 3.49
（FIG．64）．Replaces Sonotone styll N －9TS， SD，$D 0$ in cartridge series $9 Y$ ．Net 3.49
24 R 01834 ． （FIG．64）．Replaces Sonotone styll N16TS， SO．DD in cartridge series $16 T$ ． 24 R 01842

Net 3.49

# For Stereo And Monaural Cartridges 



FOR KEY TO STYLUS POINT CODES ANO HOW TO ORDER, SEE TOP OF PRECEDING PAGE

| Stock | Pt. |
| :---: | :---: |
| No. | Size Fig. Cartridge |

24 R 01180 Comb. 3 PC2, 3, 4, 5; WC 10 24 R 01156 LP 2 W21, 2 ; WC24, 5 ;

| FOR SONOTONE CARTRIDGES |  |  |  |
| :---: | :---: | :---: | :---: |
| 24 | R 01461 Comb. | 45 | 2T, ST; 9980 |
|  | R 01305 Comb. | 61 | $3 \mathrm{~T}^{\text {a }}$ |
|  | R 01545 SST | 46 | BT and STA |
|  | 月 01552 SLP | 46 | 81 and 8 TA |
|  | 8 01677 SSI | 52 | 9r |
|  | R 01685 SST | 53 | 12THS |
|  | R 01727 SST | 64 | 15 St Series |
|  | R 01735 sst | 64 | 18 T Series |
|  | R 01743 Sst | 79 | 12THSR |
|  | R 02410 SSt | 65 | 21T, 22T, 23T, |
|  | 002428 SST | 66 | 26T, 27 T |
|  | P 02436 SST | 66 | 251, 2ar |
|  | R 02824 SST | 67 | 321, 39T |
|  | R 03285 SST | 68 | 51,52,54 |

FOR TELEFUNKEN CARTRIDGES
24 R 01407 Comb. 69 TTSA
24 R 01628 SST 70 T20.2
24-R 02618 SST 71 T-23

FOR TETRAD CARTRIOGES
24 R 02626 SST 72 11, 31
24 R 02634 SST 72 21,41
$24 R 02642$ S5T $\quad 72$ 32
$\begin{array}{lllll}24 & R 02659 & \text { SST } & 72 & 13,33\end{array}$
$\begin{array}{lllll}24 & R & 02667 & \text { SST } \\ 24 & 72 & 52.62\end{array}$
RECORD STATIC
and DUST ELIMINATOR
Sprays a fine mist which keeps your record clear of surface noise created by static (common to all vinyl records) and clean of dust attracted by the static charge. Prevents groove and needle wear caused by static-dust and keeps records lustrous. Extends their life. Two appllications a year are sufficient. Enough for hundreds of records. Shpg. wt., 10 or.
24 R 70037.
Net

## RECORD CLEANER KII



Deep clean your records the modern way, Specially prepared silicone anti-static record cleaning fluid protects your valuable records as it cleans. Just a few drops on new velvet applicator will give your records a professional cleaning job. Supplied with anti-static fluid, velvel applicator. 24 R 70045 Shpg. wt., 3 oz, .. Net. 1.19


Prices and Specifications are Subject to Change Without Notice


|  | $\begin{aligned} & \text { Stock } \\ & \text { No. } \end{aligned}$ | $\begin{aligned} & \text { Pt. } \\ & \text { Size } \end{aligned}$ | Fig. | Cartride |
| :---: | :---: | :---: | :---: | :---: |
| TETRAD (Cont) |  |  |  |  |
|  | 9 02832 | S | 12 | 10,40 0 |
|  | 1202440 | SST | 72 | 23, 24 |
|  | 102972 | SST | 12 | 51, 61 |
|  | 1102980 | SST | 72 | 53, 63 |
|  | R 02998 | SST | 72 | 54, 64 |
|  | 203004 | S | 72 | 20,40 |
|  | 1 03012 | S | 72 | 10, 30 |
|  | 1 03020 | S | 72 | 80 |
|  | - 03038 | SST | 72 | 71,91 |
|  | . 03046 | SST | 12 | 73, 93 |
|  | P. 03053 | SST | 12 | 14, 34 |
|  | R 03293 | SST | 12 | 24, 44 |
|  | R 03301 | SSt | 72 | 74,94 |
| FOR VARCO (VACO) CARTIIDGES |  |  |  |  |
|  | R 01016 | LP | 73 |  |
|  | 月 02543 | SSI | 74 | CN Serles |
|  | R 02550 | Sst | 75 | TN Series |
|  | R 03202 | SST | 76 | TN-4 |

## FOR VM CARTRIOGES

24 R 01529 S 5 16707-A
24 R 01545 SST 46 16708-F


FOR ZENITH CARTRIOGES
24 R $015375 \quad 6 \quad 142-998$
24 R 02857 S $5 T$ I $7142-126.127,128,136$
24 R 32865 SST 77 137,138
24 R 03327 SST * 78 142.167

## SHURE STYLI GAUGE

## SYNTHETIC SAPPHIRE STYLI FOR ASTATIC, PHILCO, MAGNAVOX AND RONETTE

(FIG, 12). For ASTATIC 310T, 310TB, 310TS, $310-2,414-1,420-\mathrm{TS}, 422$-TS, 424 -TS; PHILCO 35.8014, 325-8021; MAGNAVOX 560176; RONETTE Series DT-60, RA-284, TO.284. 3. Mil for 78 RPM Records

24 R 01992
2 Mil for 78 \& Mono LP
24 R 01990
24 R 02014 i Mil for Mono LP. Net . 99 Net .99

(FIG. A) 7 Mil Diamond Stylus For Shure M7D and M3D Stereo Cartridges.
24 R 01636

## 36

Net 7.50
(FIG. B) 7 Mil Diamond Stylus For Shure M44 Stereo Cartridge. 24 R 03061
(FIG, C) 6 Mil Empire Empire 880P Stereo Cartridge. 24 R 03079 .......................... 7.95 (FIG. D) 7 Mil Diamond Stylus For Empire 888 Stereo Cartridge.
24 R 03097
Net 7.95

## THE WATTS "DUST BUG"*

Automatically removes dift and dust on each playing. Light plastic arm mounts by sućtion cup. Can be permanently mounted by rubber cement. The bottle of antistatic cleaning fluld has a bulftin wick for application to a brush and pad at the end of arm. Im. ported. Shpg, wt., 402.
24 R 25015
Net 6.50
DISPENSER OF ACTIVATING FLUID. For Dust ported. shpg, wt., 2 oz .
24 R 25049
Net 2.50
Replacement. Plush Pad and Nyion Brush. Shpg. wt., 202.

## RECORD DUST REMOYER

## DELUXE CASE FOR $12^{\prime \prime}$ RECORDS

Handsome case holds $60-12^{\prime \prime}$ records with. out jackets, 36 with. Solld wood frame lock corner construction. Covered with Pyroxolin coated cloth, washable. Two tone. Sure-hold lock. $131 / 4 \times 7 \times 141 / 2^{\prime \prime}$. Shpg, wt, $47 / \mathrm{I}^{\prime}$ lbs. 24 R 82016


For a dust-free record collection. The "Preener" penetrates each groove, remov. ing all dust and grit and deposits a non-toxic ionic compound. Leaves no trace of film or residue. Ideat for keeping new records new. 24 R 25056 Shpg. Wt., 4 oz. ... Net 4.00

Lafayette Cat. No. 720

(a) PK-11 COMPLETE OELUXE RECORO CARE KIt. Record Sweep mounts to any phono deek by suction cup. Cieans and lubricates records as they play. Inciudes Anti-Static Cleaner and Lubricant, Stylus Pressure Gauge, Stylus Microscope, and "Rob-O-Stat" Record Care Kit consisting of a super-soft velvet and foam applicator mitt, $12 / 2$ oz antl-static cleaner-dubricant, and poly-foam pad. Shpg. cleaner-wubr
wt. 10 oz.
24 R 80648
Net 7.95
(B) PSG-3 STYLUS PRESSURE GAUGE. Accurately calibrateo gsuge and counter balancr, weight. Measures pressure to $1 / 2 \mathrm{gram}$.
24 R 80556 Shpg wt., 4 oz. .... Net 1.09
(C) PM-1 STYLUS MICROSCOPE. Inspect stylus tip for signs of wear, chlps, etc., to prevent record damage. Precision ground lenses, 50x magnification. Knuried focusing adjustment. Pocket clip. Slot at end of scope holds stylus. Size: $31 / 4 \times 1 / 2^{*}$. Imported. Shpg. wt., 3 oz .
24 R 80168
24 Re0168 Hi.n. N
(D) PX. 8 ANTI-STATIC RECORD-KLEEN SPRAY. silicon lubricant and cleaner prevents dust accumulation on records. Eliminates static pops and clicks to improve fidelity. $80 z$. 24 R 80689 Shpg. wt., 13 oz. Net 1.29
(E) PK-5M PROFESSIONAL PHONO STROBE ANO LIGHT KIT. 4-speed metal strobe disk and neon lamp. Tests phono speed accuracy at $162 / 3,334 / 35$, and 78 rpm . 110 v . $50-60 \mathrm{~Hz}$. A.C. Instructions included. 24 R 80358 Shpg. wt., 5 oz. ... Net 2.45
(F) PCO-1 RECORO CUEING CONTROL. FOF manual turntables. Ralse of lower tone arm without touching it. Floats to desired track of record with pin-point accuracy. 24 R 80820 Shpg. wt, 8 oz. .... Net 7.69

P8. 2 COMSINATION TONE-ARM LIFT AND RECORO BRUSH. (Not illus.) Clips to tonearm. Sweeps dust and particies from records. Convenient finger lift prevents record scratches.
24 R 80028 Sfpg. wi., 2 oz. ... Net . 69
(G) PB-3 ADJUSTABLE STYLUS BRUSH FOR ALL U.S. ANO IMPORTEO PMONOS. Spring secured hexible brush adjusts from $3 / 4^{\text {m }}$ to $21 / 4$ " height. Removes blob accumulation on stylus when tone-arm is cycled. Sell-stlck base for easy mount to phono deck. 24 R 80549 Shpg. wt., 3 oz.

Net 89
(H) PB-S DISC-WHISK RECORD CLEANER. Cleans and Jubricates LP and 45 rpm records on both sides in one operation by rotating record. Deposits Anti-Static Silicon to im . prove fldelity. Record handiling disc included. 24 R 80671 Shpg. wi., 4 oz.... Net 1.35

PG. 20 DISPOSABLE OISC.KLEEN CLOTHS. (Not Hfus.) Package of 18 Anti-Static, Silicone impregnated cloths. Cleans and lubricates pecords.
24 R 80812 Shpg. wt., 4 oz. .... Net 1.05
PC-2 TWO ANTI-STATIC RECORD CLEAMING CLOTHS ANO CLIP-ON RECORO BRUSH.
Shpg. wt., 4 oz.
24 R 80440 (Not illus.) ............. Net . 81

(I) PNT. 1 PHONO STYLUS TIMER. Records elapsed time phono is in operation. 400 hour calibrated gauge Indicates stylus wear to prevent neediess record damage. Also indicates time for cleaning and general malntenance of equipment. Has self-stick back to mount to phono deck.
24 R 80770 . Wt. 7 oz. Imported. Net 5.49

## (J) PJ-18 ROUNO BOTTOM PLASTIC RECORD

 COVERS. Protects $12^{-1}$ records. Phg. of 18. 24 R 80564 Shpr. wt., 5 oz. ...... Net . 81 PB. 75 CLIP.ON RECORD BRUSH. (Not Illus.) Clips to tone-arm. Sweeps dust from records. 24 R 80036 Shpg. wt., 2 oz. ....Net 49 (N) PSO-A METAL 5" DIA. 4.SPEED STROBE Disc. Checks 16. 3314.45 , and 78 rpm 24 R 80424 Shpg. wt.; 3 oz. .... Net 1.19(L) PB. 10 PROFESSIONAL RECORO SWEEP. Sweeps dust and particies from delicate sound grooves of records. Deposits AntiStatic Silicone Cleaner and Lubricant. Improves sound fidelity. Mounts to phono by suction cup. Includes Cleaner and Lubricant. 24 R 80663 Shpg. wt., 502 .... Net 3.29
(M) PB-88 "CLEAN-SWEEP". Large soft halr brush cleans entire tracking surface of records up to 12". Self-stick base mount to any phono deck. Swings out of way when not in use.
24 R 80010 Shpg. wt., 6 oz. ... Net 4.99
pra-50 Record sploers. (Not lllus.) 50 hiimpact plastic, reusable 45 rmm adapters. Easy Insertion in recorts. Shpg. Wt. 402. 24 R 80465
(N) PS-3 AUTOMATIC SHUT-OFF FOR HI-FI/ STEREO SYSTEMS. All solid-state circuitry for reliabllity. Let's you fall asleep to your favorite music without "equipment burn-up". Automatically shuts off hi-fi system after Jast record plays. Switch permits manual operation. Amplifier and phono plug into operarate outiets of unit. For all U.S. and import equipment. Rated at 3 amps, 350 watts. Ourable metal housing. Can be mounted. Size: $61 / 2^{\prime \prime} \times 21 / 2^{\prime \prime} \times 13 / 4^{\prime \prime}$. With 6 ft . line cord. 110 V. $50.60 \mathrm{~Hz} \mathrm{~A}_{0} \mathrm{C}$. 24 R 80721 Shpg. wt., 2 lbs. . Net 7.49 MSW- 125 "AUDIO-CLEAN" SWABBIES". Pack. age of 125 soft cotton-tips wound on extra long applicators for safe cleaning and olling of hard to reach parts of equipment. Shpg. wt., 4 02. (Not illus.)
28 R 72117

## tot illus.)

$\qquad$ Net 79

(0) PRS-12 POLY-LINED RECORO SLEEVES. Paper protective sleeves for $12^{\prime \prime}$ records. Has clear poly windows to show labels of records. Seals out dust and grime to preserve records. Pkg. of 12.
24 R 80796 Wt, 13 oz. .
Net 1.35
(P) PK-6 "ROB-O-STAT" RECORD CLEANING (H)T. Super-soft foam applicator mitt. $11 / 2$ oz. Anti-Static cleaner and lubricant, and poly-foam pad. Shpg. wt., 5 oz.
24 R 80366
Net 1.59
TURNTABLE COVERS. (not Illus.) Soft, heavygauge durable plastic covers. Fits most changers. Shpg. wt. 8 oz .

| Stock Mo. | Mir's No. | Size | Net |
| :--- | :--- | :--- | :--- | ---: |
| 24 R 80275 | PJ- | $13 \times 131 /{ }^{2} \times 8^{\prime \prime}$ | 1.69 |
| 24 R 80838 | PJ-3 | $22 \times 161 / 2 \times 8^{\prime \prime}$ | 1.99 |
| 24 R 80846 | PJ-5 | $17 \times 15 \times 1874^{\prime \prime}$ | 1.99 |

(a) Pl-25 ALBUM COVERS. 12 heavy weight plastlc window clear covers with thumb notch for easy insertion and removal of record albums.
24 R 80705 Shpg. wt., 8 oz. ... Net 1.66
PL-2 ROUND TURNTABLE LEVEL. Assures accurate leveling of turntable for correct tracking. Minimizes stylus and record wear. Self-stick base for mount to phono. (Not llus.) Shpg, wt., 3 oz.
24 R 80184
Net 1.79
PC. 4 TWO RECORO CLDTHS AND A 45 RPM SPINDLE ADAPTER. (Not lllus.) Wt. 3 oz . 24 R 80523

Net .81
TX-56 NOM.SLIP FOR PHONO DRIVES. StOPS slippage of drive wheels, belts. etc. 2 oz . Not llius. Shps. wt., 6 oz .
24 R 80804
(R) PK-9 "TENDER LOVING CARE" RECORD Kit. Contains super-soft Velvet and foam Applicator Mitt, $11 / 2$ oz bottle of Anti-Static Record Cleaner and Lubricant, Polyfoam Pad for cleaning the velvet side of the mitt. Adjustable Stylus Brush, and Combination Tone-Arm Lift and Record Brush. Stylus Brush mounts to phono deck by selfostick base. Adjusts from $3 / 4^{\prime \prime}$ to $21 / /^{\prime \prime}$ height for use with all turntables. Removes dust blob accumulation from stylus when tone-arm is cycled. Tone Arm Lift and Record Brush clips to tone-arm. Provides convenient finger lift to prevent fumbting and scratching of records. Gently sweeps dust from delicate record grooves. Shpg. wt., 10 or.
24 R 80853
Net 2.99
(S) PK-2 "TOUCH-OF-VELVET" RECORD CLEAN. ING KIT. Soft velvet cloth and bottle of Anti-Static Record Cleaner. Improves fidelity. 24 R 80861 Shpg. Wt., 6 oz. ...Net 1.19

# Auto Antennas - Accessories - Vibrators 


(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 $20^{\prime \prime} .32^{\prime \prime}$ lead cable.
1i R 88010 Shog. wt., $3 / 4 \mathrm{lb}$..... Net 2.89
(2) "FLEX-O-MATIC" UNIVERSAL ANTENNA Heavy-duty, bounce back, spring mount Fully adjustable-mounts anywhere, 3 sections. $63^{\prime \prime}$ extended. $28^{\prime \prime}$ collapsed. $48^{\prime \prime}$ lead.
11 R 74077 Shpg. wt., 9 oz. .... Net 3,4s
(3) UNIVERSAL MOUNT AERIAL

Can be mounted anywhere on car. Adjusts to any angle, 3 section. measures 20 " collaps. ed, extends to $59^{\prime \prime}$. Complete with $48^{\prime \prime}$ lead. 11 R 74119 Shpg. we., 1 lb .... Net 2.39

## (4) DISAPPEARING ANTENMA

For concealed instafiation. Extends to $52^{\prime \prime}$ from $612^{\prime \prime}$. Fully coilapsibie-oniy mounting protrudes. $54^{\prime \prime}$ lead.
1t'R 7402 Shpg. wt., 1 lb. .... Net 3.49
(5) L0-BOY DISAPPEARING ANTENNA

For shallow installations, foreign and sports cars. Takes ony $91 / 2^{\prime \prime}$ below fender or deck. Extends to $25^{\prime \prime \prime}$ collapses to $134^{\prime \prime} .48^{\prime \prime \prime}$ permanent lead. Shpg. Wt., 1 lb .

## 11 R 74036

Net 2.29

## REPLACEMENT AND

 EXTENSION LEADS$54^{\prime \prime}$ Universal replacement lead.
Shpg. wit. 502.

11 R 74085
Net 1.19
$24^{\prime \prime}$ Universal extenslon lead,
11 R 74093
36"Universal extension lead,
Net .89
11 R. 74101
Net 1.09

## ADAPTERSIJACKS/PLUGS/CONNECTORS


(A)
(B)
(C)
(A) Adapter converts Motorola to Delco fitting If R 66016 11 R 66024 -(B) Motorola jack Net .29 11R 66032 -(C) Motorola plug Net. 19

## 

## UNIVERSAL $6 \& 12$ VOLT VIBRATORS

Direct replacements for most popularly-used types.

## 4. 6-VOLT 4-PRONG

Replacement for MALLORY 294. 859. 901 M , 1601. Radiart 5300, 5301 and many others. 32 R 56013 Shpg. wt., 4 oz . ... Net 2.95

## 12-VOLT 3-PRONG

Replacement for Buick, OIds, Pontiac and GM part no. 122-0155; Mallory G874, CD 6330, Delco 8550; and Vokar 3129.
32 R 56021 Shpg. wt., 4 oz. .... Net 2.95

## 12-VOLT 4-PROMG

Replacement for Mallory G859. Motorola 45822000, Philice and Mepar 83-0025-1. ATR 1840, Vokar 4124; and most later 12 -volt carradio vibrators.
32 R 56039 Shpg. wt., 4 oz. ... Net 2.95

(5)
(8)
(9)
(10)
(6) DISAPPEARING KEY-TENMA

Slides completely into mounting base. Locks with key rendering the antenna theft proof. $161 \mathrm{~V}^{\prime \prime}$ below fender, ext. $43^{\prime \prime}$. With $48^{\prime \prime}$ leads; 2 keys. Shpg. wt., 1 lb.

## 11 R 74044

(7) DISAPP EARING FM-KEY-TENNA

3-section disappearing safety-lok antenna. Extends to 31" for top FM performance. Complete with $48^{\prime \prime}$ leads, 2 keys. Shog. wi.. 1 lb. 11 R 74127

Net 3.39
(8) ${ }^{\text {ISPRING BACK REPLACEMENT STAFF }}$

One piece, stainless steel, spring mounted replacement staff. $271 / 2^{\prime \prime}$ long overall. Mounts over stub of old antenna. Fits all cars. simple set screw installation. Shpa. wt.. 9 oz . 11R74069

Net 1.18
(9) REPLACEMENT ANTENNA STAFF

3 section 57" replacement staff. Telescoping staff replaces antenna lost through accident or vandalism. Mounts on stub of broken antenna. Simple lock on mount. Shpg. wi., 9 oz. 11 R 74051

Net 1.59

(10) TOP MOUNT FOR YOLKSWAGEN CARS For 1967 models and Up. Three section topmount antenna extends to $38^{\prime \prime}$ collapses to $15^{\prime \prime}$. Fits the prepunched hole which Volkswagen has Incorporated into lts cars. Chrome plated. Complete with $42^{\prime \prime}$ cable. Shpg. wt., | plated |
| :--- |
| 1 ll. |

11 R 74135
Net 2.09

## DYNAMIC AUTO TENNA BOOSTER

- For New Transistor Auto Radios
- Increases Radio Range and Reception
- Electronically Equivalent to $110 \cdot \mathrm{ft}$. Antenna

Increase the signal strength and range of your auto radio with the new Cynamic Auto Antenna Booster. Erings. In distant and weak stations ... stops station-lade. Installs easily in 4 simple steps. Fits all except 4 sect. Antennas. Shpg. wt., $1 / 2 \mathrm{lb}$.
11 R 39026
Net 2.89

## NOISE SUPPRESSÖR KITS <br>  Lowers Automatically Eliminates Vandalism <br> As Low As <br> 

for all 6 and 8 -cylinder cars suppresses 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. Shog wt., 6 oz.
11 R 71057 for 6 -cylinder Cars Net 2.79 11 R 71065 for 8 -cylinder cars Net 3.19

## CAR STEREO NOISE ELIMINATOR

Effectively kilis the interference of noise caused by ignition system or alternator in some cars. Consists of choke and capacitor and instruction for hook up. Shpg. wt. 602 ,

INSIDE WINDOW AUTO ANTENNA

- For AMFM Reception
- Eliminates Theft-

Breakage

## $2^{95}$

Now you can have the latest type of AM/FM auto window antenna similar to Detroit's 1971 models. The antenna fits all cars, and can be installed in minutes. The antenna wire Is laminated between 2 plies of crystal clear self-adhering tape. Complete with easy to follow instructions, and a fender replacement cap to cover the hole of your old an. tenna mount to preserve you car's appearance. Shpg. wt., 6 oz .
11 R 65562
Net 2.95

## POWER HOUSE AUTO ANTENNA

## - Built-in $\underset{\sim}{\text { Booster }} 40$

New! 3-section universal mount (for all cars) auto antenna designed to increase the range and signal strength of your auto radio. Built-in booster coll lets you tune twice as many stations. TWICE AS STRONG! Stainless steel mount withstands severe shock, eliminates constant replacement of broken antenna staffs. Swivel base permits mounting at any surface angle. Comes with $48^{\prime \prime}$ lead cable. Wt., 1 lb.
11R 11073
Net 4.50

## "TENNAMATIC" ELECTRIC AUTO ANTENNA

- Electrically Raises and
dperate the antenna at the fifp of a switch. Designed to fit most 12 volt cars. Mast extends to $35^{\circ}$ and retracts to $11 / 4^{\circ 0}$. Antenma cable is copper shielded. External parts are plated with chrome. Positive 15 lbs. thrust insures "free action" even In sub zero temperatures. Complete with cable, clips, brackets, switch and plate. screws, wiring harness and Instructions. Shpg. wt., $63 / 4$ lbs. REAR MOUNT: 18 feet of antenna lead and 20 feet electric harness.
11 R 71024
Net 21.95 FROMT MOUNT ANTENNA 54" of antenna lead and $72^{\circ \prime}$ electric harness.
II R 71016


## Quality Solid-State Radios For The Car

## DELUXE SOLID STATE FM STEREOPHONIC CAR RADIO



Enjoy rich, vibrant FM sterephonic programming in your car with this magnificent performing FM stereo radio. Simple to install under the dash with adjustable brackets-only 2 screws are required to mount the radio. features powerful Hi-fi audio circult for the stereo sound reproduction on both channels. Stereo Indicator Lamp liluminates when station is receiving stereophonic sound. Dual channel tone and volume controls. Balance control permits adjustment of

## SOLID-STATE PUSHBUTTON AM/FM CAR RADIO



All solld state circuitry. 11 transistors, 8 diodes, 2 thermistors. Push-pull 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 $5 \times 7^{\prime \prime}$ external speaker. Radio mounts neatly under dash. Overall size: $61 / 2 \mathrm{~W} \times 23 / 8 \mathrm{H} \times 65_{4}{ }^{2 \mathrm{D}} \mathrm{D}$. Imported. Shpg. wt., 7 lbs.
channel separation for perfect sound balance, Illuminated slide rule dial. Specifications: 23 Transistors, 11 Diodes, Output 7 watts per channel, Sensitlvily: $5 \mu \mathrm{v}$. For 12 V negative ground systems. Size: $9^{\prime \prime W} \times 11 /^{\prime \prime} \mathrm{H} \times 6^{1 / 4} \mathrm{O}$. Shpg. wt., 4 lbs. Imported.
17 R 74561 No Money Down**........................................ 69.95 Set of 2 rear deck $3 \times 5^{\prime \prime}$ speaker systems, Imported. Wt., 3 ibs. 99 R 62994 Net 8.95

## NEW! UNIVERSAL AM/FM/FM STEREO PUSHBUTTON CAR RADIO



Powerful Solid-State AM/FM/FM Stereo Radio features, integrated circultry, 3 I.C.'s coupling 30 sllicon transistors, 2 "Field-Effect" transistors, and 18 diodes to produce more than 6 .watts per channel of stable, drift.free output. 5 tuned AM circults, 8 tuned FM circuits, automatic frequency control, AFC On-Off switch, Stereo-Mono switch, stereo indicator tight. Reversible inset panel resulting in 3 -way dle. cast face plate. Flexible antenna lead connector. 12 volt negative or positive ground operation. Size: $61 / 2^{\prime \prime}$. wide, $61 / e^{\prime \prime}$ deep, $2^{\prime \prime \prime}$ high. Shpg. wt., 8 ibs. Imported.
17R 80055W No Money Down* .................................Net 99.95 Set of 2 Rear Deck 3" x 5"Speaker Systems. Imported.

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Net 6.95
```

17 R 74124 No Money Down*

MANUAL AM CAR RADIO

- Built-in Speaker
- Removable Face Plate
- Tone Control Switch
- For 12 Volt Negative Ground Systems

Universal Solid State AM radio that is easy to install under the dash. Offers fine sound reproduction. Features bulit-in speaker and lone control slide switch, 7 transistors, 2 diodes, RF stage, AVC. Removable face plate. for 12 volt negative ground system. Size: $2 \times 43 / 4 \times 512^{\prime \prime}$ Imported. Shpg. wt. $23 / 4$ 1bs. 17 R 74256



- 6 Watt Push/Pull Output
- Large 5" by 7" External Speaker
- For 12 Volt Neg./Pos Ground Systems
Attractively styled under-dash solid state AM pușh-button car radlo with reverslble face plate-black on one side, walnut on the other. 6 -watt push-pull output with AGC. Ex. ternal $5 \times 7^{\prime \prime}$ speaker. Sizes $61 / 4 \mathrm{~W} \times 43 / 4 \mathrm{D} \times$ 2"H. Shpr. wt. 5 lbs, Imported.
17 ค 80048 No Money Down* Net 32.95


## RANGER 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 min. Imum cost. All solid state circult ( 6 transistors, 8 diodes) gives instant operation. Built in AFC permils drift-free reception of distant FM stations. AM/FM switch allows instant selection of AM or FM stations. Simplified installation. Sensitlivity: $4 \mu \mathrm{~V}$. Size: $1 \% \times 4 \times 9^{9}$. Imported, Shpg. wt., $3 \% / 4 \mathrm{lbs}$. 17R $74207^{\circ}$ No Money Down *' Net 39.95

## Custom Deluxe Solid-State Radios For Volkswagen Cars

PUSHBUTTON AM CAR RADIO
DELUXE PUSHBUTTON FM-AM CAR RADIO


Just a snap to Install. All transistor circultry provides 3 -watts of audio power. AVC provides constant, even comfort-level listening. Continuously variable tore control. Five quick.set pushbuttons. Seven tuned circults including hF stage, give maximum sensitivity. For $6 / 12$ volts D.C., negative ground. Imported. Shpg. wt., 6 lbs. 17 R 26447 No Money Down*

Net 34.95 manual solid-state AM car radio for 1958-71 Volkswagen Cars. Same as above but manual tuning. Shpg. wt., 5 lbs. 17 R 74264


- For 1967 Thru 19711300 Series Models - Will Also Castom Fit Super Beetle - 6.Inch External Speaker - 11-Transistors, 2-Diodes

Snap-in Front Mount for Easy Installation
Deluxe solid-state custom AM-FM radio for all standard Volkswagen 1967-1971 models. Will also custom fit the new Super Beetle. All solid-state circultry. 11 -transistors, 2 -diodes. AFC on FM for drift free peformance. push-pull outpui. High sensitivity for long dis tance reception on both AM \& FM. 4.IF stages on FM. Continuous variable tone control. Snap-in front mount. Large $6^{\prime \prime}$ external speak. er. Imported. Shpig. wt., 6 lbs.
No Money Down*
17R 74405 For $1967-1971$ Volkswagens
Net 69.95

## Custom Deluxe Solid-State Radios For Toyota Cars

## PUSHBUTTON AM RADIO FOR TOYOTA CORONA AND COROLLA



No Money Down* - Fits All Cars From 1967 Thru 1971 Models Fine performing custom radio. All silicon solld-state circuitry. External $5 \times 77^{\prime \prime}$ speaker for fine sound reproduction. Tone Control. Pushpull output with AGC. For 12 -voit negative ground systems. Shpg. wt. 5 lbs. Imported.
17 k 80030
Net 34.95
Pushbutton AM Radio for Toyota Mark 11
Same specs and leatures as above but specifically designed for custom installation in Toyota Corona Mark if cars. (1967 thru 1971). Shipg. wt., 5 lbs . Imported.
i7R 80014

No Money Down

All sillcmen sofid state circuitry with 8 -watt output. Features: bulltin AFC to prevent drift on FM and AGC. Colored dial llghts for AM and FM . External $5 \times 7^{\prime \prime}$. speaker, For 12 voit negative ground systems. Imported. Shpg. wt., 6 lbs. 17 R 80006

Net 69.95
Pushbutton AM/FM Radie, for Toyota Mark II
Same specs and features as above, but specifically designed for custom installation in Toyota Corona Mark || cars (1967 thru 1971) Imported. Shpg. wt., 6 lbs.
17 R 80022
Net 69.95


FM STEREO CAR RADIO
Enjoy FM sterzo broadcasts in your car. Features FM stereo Indicator Light, batance slide control, tone control, mono/stereo switch, and powerful solid state IC cir-cultry-4 IC's, 5 transistors, and 8 diodes. Peak Audlo Power 4 -watts per channel. Meas-
 mounting bracket and hardware. Less speakers. Imported. shpg. wt., $21 / 2$ ibs. 17 R 74652 No Money Down * Net 79.95

## AM CAR RADIO

Measures on $12 / e^{\prime \prime} \times 44 / \mathrm{e}^{\prime \prime} \times 53 / 4^{" — h i g h}$ styied chrome and black finish. For 12 volt negative ground systems. Powerful solid negative ground systems. Powerful
State integrated circuitry. Power output: 3 watts music power at 8 -ohms. 5 Transistors, 1 IC. Less speaker. With mounting bracket and hardware. Imported. 17 R 74660 Shpg. wt., 1/2 1b. Net 29.95

# Car Reverb Units and FM Converters 

## LAFAYETTE SOLID-STATE CAR REVERBERATION AMPLIFIER



Recreates Concert Hall Listening In Your Car - Can Be Used With Any 12 -Volt Negative Ground Car Radio-AM or FM
Now listen to the most dramatic sound of music you have ever heard in a car with the Lafayette solld state Automobile Reverberation amplifier. When used with your present 12 -volt negative ground AM or FM car radio, the Lafayette Reverb amplifler creates a second set of reffected sound waves reproduced through a rear seat speaker (not included). These reflected sound waves provide this excliting new dimension in sound reproduction. Features a pushpull Fader/ Batance control. Balances regular car, radio speaker and reverb speaker. Also controls amount of reverberation-from 0 to maximum. separate isolation transformer for ultimate matching condtilons. For underdash mounting. Dim.: $71 / 2^{\prime \prime} \mathrm{O} \times 31 / 2^{\prime \prime} \mathrm{W} \times 17 / 4^{\prime \prime} \mathrm{H}$. Includes mounting bracket Imported. Shpg, wt., $21 / 4$ Ibs.

Net 9.95

## HITACHI KMT-880 SOLID-STATE FM CONVERTER FOR AM CAR RADIOS <br> NEW <br>  <br> Complete with all mounting hardware.

Convent your present AM Car Radio to an AM/FM radio. Operates on 12 volt negative ground systems. Advanced solid-state circultry consists of 7 transistors, 1 varistor, and 1 Zener Diode. Tuning Range: $88-108 \mathrm{MHz}$. Features: AFC for drift free FM reception, dial Hght and adjustable brackets for easy instaliation under the dash. Precision slide rule tuning dial with logging scale. With all mounting hardware, Size: $43 / 6^{" x 1} 1^{3 / 8^{\prime \prime}} \times 43 / 6^{\prime \prime}$. Imported. Shpg. wt., 3 lbs.
17R24269
Net 24.95
See Page 263 for Big
Selection of Car Speakers

# DELUXE SOLID-STATE CAR REVERBERATION SOUND SYSTEM 



- Tuneable . . . Electronic Tuning Control. "Custom Fits" the Sound to your Car, to your Ear - For 12 Volt Negative Ground AM and FM Auto

Radios-Convenient Under Dash 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 under the dash panel of your car by means of adjustable brackets. $6 \times 9^{\prime \prime}$ dynamic speaker and chrome grif for rear seat mounting, and all connectIng cables. Includes simple instructions for connecting the reverb unlt to your regular car padio system and for separate rear seat speaker. "REVERBERATION," tones are created thru the rear speaker thus providing a truly $3^{\prime}$ dimensional sound system in your car. simplified controls permit balance of sound between front and rear seat speaker. Verb.A-Tone control adjusts the amount of reverbera; tion to your taste. Specifications for 12 volt negative ground cars, peak audio output- 4 watts, 2 transistors. Size: $17 / 8^{\prime \prime} \times 4^{\prime \prime} \times 9^{\prime \prime}$ Shpg. wt., 43/4 lts.
17 R 01093 ..................................................................................... 19.95

## SOLID-STATE FM STEREO CONVERTER FOR AM CAR RADIOS



No Money Down* der Dash Installation, Fastener for Top of Dash or Console Installation, Antenna and Patch Cord.

Converts your AM Car Radio to an AM /FM Stereo Radio. Automatic stereo switching for the utmost in enjoyment. FM stereo light illuminates when stereo broadcast is being recelved. Tone and Volume Control to blend stereo broadcasting to perfection. Underdash mounting. Tuning Range 88.108 MHz . Local/distance switch for optimum reception. All solid-state circuitry includes 12 transistors and 15 diodes. Speaker Impedance- 4 or 8 ohms. Stereo separation 3 db . For 12 -volt negative ground sytems, (does not include speakers). Size: $21 / 4 H \times 41 / 2 \mathrm{D} \times 51 / 2 \mathrm{~W}$. Imported. Shpg. wt., 3 lbs.
17 R 41016
Net 49.95
FM Converter For AM Car Radios-Simllar to above, but only converts your AM car radio to tune standard FM Broadcasts. For 12 volt neg. ground systems. Size: $14 / 4 \mathrm{Hx} 44 / 2 \mathrm{D} \times 51 / 2 \mathrm{~W}$. Imported. 17 R 41008

Net 29.95

## Solid-State Car/Portable Radios <br> Hew Sharp FX200A FM-AM Car! Portable Radio



- Install In Any 6 or 12 Volt Car or Boat System
- Use As A Portable, or On 117VaC 60 Hz . With Built-in AC Line Cord
Multi-pürpase AM/FM solid-state radlo designed to provide outstanding reception anywhere. Used as an AM/FM car radio. It locks in to its specially designed under-the-dash bracket and operates thru the car's electrical system ( 6 or 12 volts pos./neg. ground). Slips easily out of bracket for use outdoors - and plays on 4 " C " Batteries (in. cluded). Fos indoor use, it operates on regular 117 VAC household current with the AC line cord provided. Hluminated slide rute tuning. variable tone control, earphone/external speaker jack. AFC for drift free FM reception. Ferrite bar AM antenna, telescoping FM antenna. Wide range $4 \times 23 / 4$ " oval speaker. imported. U.L. Histed. Dimensions: $91 / 6$ "W $\times 57 / \mathrm{/H} / \mathrm{H} 2 \%{ }^{2} \mathrm{D}$. Shpg. Wt.. 5 tbs. 17 R 53185 No Money Down*

Net 39.95
99 R 62572 Extra " $C$ " cells (4 required)
Net ea. 16

## ITeW Sharp FY300PA 3-Band AM/FM/FM VHF Car/Portable Police Radıo

## TUNES:



Complete with Car Bracket,

## 15 Exciting Bands:

AM Broadcast FM Band
MB Marine LW Weather 80 meter band 61 meter band 59 meter band 49 meter band 41 meter band 31 meter band 25 meter band 20 meter band 19 meter band 16 meter band 13 meter band
$540-1600 \mathrm{kHz}$ 88-108 MHz 1.5-3.5 AMIz $145-4.50 \mathrm{kHz}$ 3.61 to 3.84 MHz 4.60 to 4.89 MHz 4.84 to 5.13 MHz 5.90 to 6.26 MHz 6.96 to 7.40 MHz 6.96 to 9.90 MHz 11.50 to 12.16 MHz 13.80 to 14.50 MHz 14.85 to 15.70 MHz 17.38 to 18.35 MHz 20.95 to 22.10 MHz

## Lock and Key, Batteries, AC LIne Cord, Earphone <br> Deluxe Nordmende 15-Band Globetraveler III AM/FM/SW Radio



## $49^{95}$

 FM. VHF 148-176 MHz, High Band Police and 162.55 MHz , U.S. Weather Bureau Forecasts AM $550-1600 \mathrm{kHz}$FM $88-108 \mathrm{MHz}$.
Deluxe, multi-purpose 3 -way soltd state radio specially designed for use in car, as a portable, or in the home. Features dramatic FM-VHF High Band ( $148-176 \mathrm{MHz}$ ) reception of police, fire, civil defense, and U.S. Weather Bureau forecasts. Also tunes the standard AM and FM broadcast bands. As a car radlo, It locks into its specially designed, under-the-dash bracke! (supplied) and operates thru the car's 6 or 12 -volt electrical system. Dutdoors it plays on 4 " C " size flashlisht cells. Indoors it plays on 117 VAC with an AC line cord (supplied). Features: dynamic oval speaker and 1-watt output for excellent sound quallty; precision vernier slide-rule Illuminated tuning dial; variable tone control: earphone jack an earphone for personal Ilstening; telescoping FM and FM-VMF antenna; ferrite core AM antenna. Dimensions: $9 / 8^{\circ} \mathrm{W} \times 5 \% / \mathrm{H} \times 23 / \mathrm{m}^{\prime \prime} \mathrm{D}$. U.L. Ilsted. Imported. Shpg, wt. 5 lbs.
17 R 53192 No Money Down*
Net 49.95
Net ea. 16

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: Built in AC with compartment for AC cord, Drum dial for all 11 spread shortwave bands, and I.F. Ba ndwldth switch. 2-Speakers: $5 \times 7{ }^{\prime \prime}$ woofer, $242^{\prime \prime}$ tweeter, Separate jacks for earphone, external speaker, phonograph, tape recorder, and separate amplifier. A built-In ferrite antenna for AM, a telescopic antenna for FM , and an additional telescopic antenna for SW increases its sensitivity and selectivity. Also includes tuning meter and battery tester, AFC on FM, noise filter on AM and SW. Separale bass and treble control. 15 transistors and 12 diodes. Wood cabinet covered with scuff-proof black vinyl. $121 / \mathrm{w} \times 84 / 8 \mathrm{Hx} 4^{\circ \prime} \mathrm{O}$. Imported. Shpg. wt., 11 lbs.
17 R 72177w No Money Down*
Net 169.95
Globetraveler IV 16 Eand MM/FM/SW/FM.VMF Police Radio. Same features and specifications as Globetraveler III, eacept cannot be used as a car or boat radlo. Operates only on 5 " $D^{\circ "}$ batteries, or 117VAC $w$ th built-in AC line cord. Includes 147-174 MHz FMoVHF band enabling you to listen to police and fire calls. 17 R 72 t85W No Money Down - Shpg. wt., 11 lbs.

Net 189.95
Accessurles for Globetraveler Radios
Universal 6 or 12 volt.car boet mounting Bracket with lock. 4 lbs.
17 R 72094 W
Net 22.95 99 R 62564 "D" type Flashlight Batteries. 5 required Net .18

## Panasonic, Sony, and Sharp Solid-State Portable Radios

## Panasonic RF-561 FM/AM Battery/AC Portable Radio

## NEW 29.95

## With Batterles, AC Power <br> cord, and Eapphonos

FM/AM personal portable radio with 117 VAC or battery operation. Features solidstate Integrated Circultry for high reliablity. Bullt-in FM whip and AM ferrite core antennas. $3^{\prime \prime}$ dynamic speaker. Vertical slide-rule tuning dial: and AFC on FM. Continuous tone control. Band selector. Slide down metal handle. Earphone/ external speaker lack. In black cabinet with chrome trim. Complete with " $A A^{\prime \prime}$ batteries. AC power cord, earphone, and glft box. Size: $6 \mathrm{~K}_{0} \mathrm{H} \times 53 / \mathrm{Wx}^{1 / \mathrm{K}_{1}}{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $31 / 3 \mathrm{lbs}$.
17R $31124 i$....................Net 29.95
Extra "'AA" battery (4 req.)
99 R 62580 .............. .10
Pańasonic RF511 FM/AM


NEW 17.88
With Batteries, carrying strap, and earphone

Pocket-Size FM/AM Portable Radio operates on inexpensive 9 V battery. Bulit-in FM whip and AM ferrite core antennas. $21 / 4^{\prime \prime}$ dynamic speaker. Easy-see vernier tuning. Band selector switch. Earphone/ external speaker jack. Solld-state circuitry. Complete with $9 \vee$ battery, earphone, carrying strap and gift box. Slee: 4111 Hx $3-5 / 36 \mathrm{~W} \times 1 \mathrm{~K} \mathrm{D}^{\prime} \mathrm{D}$. Shpg. wt. 1 lb . Imported.
17 R 31132 L
Net 17.88
Extra 9v, battery
99 R 60212
Net ea.
.29

## Deluxe Panasonic RF-930 Battery/Electric AM/FM Portable



Gift-boxed With Earphone and Batteries No Money Down*

Handsome midnight black padded leatherette cabinet. Operates on 4 "AA" batteries or regular house current. The sensitive $5 M$ and $A M$ antennas assure excellent receptlon from stations far and near. Sliderule tuning. AFC on FM locks in signal for crystal clear, drift-free reception. The $4^{\prime \prime}$ PM dynamic speaker reproduces brilllant sound. The earphone jack lets you enjoy your own private listening. Slze: $83 / 4 x$ $5 \%$ w3". Shpg. wi., $41 / 4 \mathrm{lbs}$. Imported. 17 R 31967 L

Net 39.95 Extra "AA" batterles, 4 req. 99 R 62580 Shpg. wt., 402 . Netea. 10


## NEW Sharp FY302W FM/AM Portable Radio with Pushbutton Weather Band

with earphone and battery

Compact, Iightweight FM/AM Portable with Solid-State integrated circultry. Pushbutton Weather Band on 162.55 MHz . Features: Preclsion slide-rule tuning, rotary handle for carrying case, instant band selection with FM/AM push-button. Automatic Gain Control and Automatic Frequency Conirol assure stable and reliable drift-free performance Operates on 4 " $A A^{" \#}$ batteries or $A C$. Size: $8 \%$ W× $51 \%$ H $\mathrm{H} 24 / 2^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt. 4 lbs.
17 R 53201 L No Money Down* Net 34.95 Extra "AA" batterles, 4 req. 99 R 62580

Net ea.
.10


- Battery or AC Operation
- Pushbutton Weather Band Set on 162.55 MHz
- AFC on FM Produces Sensitive and Drift-Free Performance.


## Deluxe Sony TFM-1600W 7 Band AM/FM/SW Portable Radio

$99^{5}$With Earphone and Batteries No Money Down*

Deluxe 6 -band portable radio pulls in worldwide programs on 4 Short Wave Bands. Also receives standard FM and AM broadcasts with sharp, velvety sound. Impresslve 1.7W power output through a big $4 \times 6^{\prime \prime}$ oval speaker. Tuned RF amplification for FM and AM Increases selectivity and sensitivity. Flywheel tuning for smooth and accurate station selection. Features: AFC switch, Local/ Distant switch, continuous tone conirol and tuning meter, high power antenna system and dial Hight. Operates on 4 " $D$ " batteries (Included) or AC house current (AC cord built-In). Antenna system; FM/SW telescope antenna, AM built-in ferrite bar antenna, external antenna terminal. Dark krey and chrome cabinet. Size. $113 \times 83 / 4 \times 31 \mathrm{~K}_{6}{ }^{\prime \prime} \mathrm{D}$. Shpg. wt., 8 lbs. Imported.
17 R 32924L Net 99.95
Extra "D" batteries. Shpg. wt., 502.
99 R 62564


## FREQUENCY RANGE:

FM 87.5.108 MHz SW2 3.5.7 MHz
AM $530.1,605 \mathrm{kHz}$ SW3 7.14 MHz SW1 1.6-3.5 MHz SW4 14.26 .1 MHz

## Portalale Black and White VFF-UHF Solid-State TV Sets

Sharp TM-85P AC-Operated Hitachi TWU-68 AC-Operated
Sony TV-740 Battery/AC


- $12^{\text {" }}$ Picture Measured Diagonally
- 82 Channel UHF/VHF Reception

Outstanding performance from this handsome solid-state portable TV. 75 sa. In. picture ( 12 inches measured diagomaliy). $100 \%$ transistorized. Instant pleture and sound. Extremely stable imaze obtainable every time due to Sef-and-Forget memory finetuning. Automatic Gain Controi and nolse diminutor clrcuits. With VHF monopole and UHF loop antennas. Dperates on 117 VAC, 60 Hz . size: $26 \mathrm{~K}_{4} \times 11 \mathrm{~K}_{a} \times 11 \%_{a} \mathrm{O}$. Imported. Shpe wt., 16 lbs.
17 R 24277 wx No Money Down*


- 9** Picture Measured Diagonally
- 82 Channel UHF/VHF Reception

Styled in a modern mood, off-white and ebony with accents of silver, Transistorized circuitry. 44 square inch. $90^{\circ}$ deflectlon aluminized picture tube. Front-mounted $3^{\prime \prime}$ speaker for fine sound. Front-mounted controls for greater convenience. Separate UHF and VHF tunine knobs. With "Splft-Second. Start" for instant picture . . . Instant sound Telescopic VHF and IOOD UHF antennas. Ear phone and jack for personal listening. Size: $93 / \times 133$ x 93 "D. For 117 VAC. 60 Hz . 1 mported. Shpa. wt. $161 / 7$ lbs.
17 月 $53169 W^{2}$ No Money Down .... Net 69.95

- 7" Picture Measured Diagonally

Streamilned styling with chrome accents. Operates on 117V.. $60 \mathrm{~Hz} \mathrm{AC;} \mathrm{optional} \mathrm{re-}$ chargeable 12 volt battery, or, 12 VOC car/ boat battery. Keyed AGC system for sensitive reception. Black screen for better pleture both indoors and outdoors. Bulit-in VHF teiescoping antenna and front mounted 33/a" speaker. With earphone, UHF loop antenna. Size: $9 \% \times 8 \mathrm{~K} / \mathrm{x} \times 10 \%$ ". For 117 VAC. 60 Hz . Imported. Shpp. wi., 9 lbs.


- 8" Picture Measured Diagonaily
- Channal Coverage VHF 2-13, UHF 14.83 Features $8^{\prime \prime}$ non-glare picture tube measured diaronaliy. 25 -transistors plus 15 diodes and 1 rectifier assures sensitive reception even in fringe areas. Operates on optional rechargeable 12 -volt battery. 12 VOC car/boat battery, or $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Built-In VHF telescoding antenna. front mounted controls. and front mounted $4 \times 23 \mathrm{~h}^{\prime \prime}$ speaker. Compact lightweight cabinet. Black with chrome trim. Slize: $101 / 2 \times 9 h_{a} \times 10^{1} K_{0}{ }^{\prime \prime}$. imported. Shpe. wt. 12 lbs
17 a 33013 WX No Money Down * Net 119.85
- 11 " Picture Measured Diagonally
- Channel Coverage VHF 2-13, UHF $14-83$ Big $11^{\prime \prime}$ screen measured dlagonally. Snap-In non-glare filter provides clear, vivid recepfion in any light. Super sensitlve sond-state circuitry. Built-In VHF adjustable telescoping antenna. Front mounted oval 3 1/7 $\times 474^{\prime \prime}$ speaket. 23 transistors. 1 IC, 15 diodes, and 1 rectufier. Keyed AGC and AFC sysiems. Front mounted illuminated funima knobs makes channel changing easy and accurate. Contermporary styling in black with silver trim Size: 11 "月 $\times 114 / 4 \times 111 / 7^{\prime 0} 0$, Imported. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shos. wt. 17 los 17 R $3: 021$ WX No Money bown ${ }^{1}$. Net 129.95 Model BP/7 564 . Shoulder rechargeable battery pack.
17 R 32296 ShDg. wt. $73 / 4 \mathrm{bs}$.
Mode! OCC-2AW. Car battery cord. For 12v/neg. ground systems.
17 R 32304 Shpg. we. $11 / 4$ lbs.
17 $\mathrm{m}^{3} 32601$ Model VCA-14 Car window antenna. W1., $24 / 4 \mathrm{lbs}$.
-See Page 22 for Full Credit Details on Easy Pay Plan

Net 22.95
Het 14.95 Het 22.95

## Deluxe TV Sets-Color and Black \& White

## NEW <br> Sony Trinitron Single Gun Color TV Sets



- All Solid-State Circuitry

Model KV 1201-12" picture measured dlagonally. Features: Sony Single Gun Trinitron Color System for magnificent true-to-life cotor, automatic color control, lighted channel indicators, instant picture and sound. Charcoal grey cabinet with chrome trim, Convenient carrying handle. With VHF dipole antenna and UHF loop antenna. Size: $131 / 9 \times 17 K_{1} \times 151 / 2^{\prime \prime}$. For $117 V A C, 60 \mathrm{~Hz}$. Imported. Shog. wi., 32 lbs.
17 R 32973WX No Money Down*
Net 299.95
Model KV 1710-Same features as above but with $17^{\circ}$ Picture measured dlagonally and avtomatic fine tuning. Size: $1314^{\prime \prime} x$ $18 \%{ }^{\prime \prime} \times 15 \frac{1}{2 \prime \prime}$. Shpg. wt.. 35 lbs . Imported.
17 R 33039wx No Money Down*

Panasonic Portable Color TV Sets


NEW MODEL CT 603 $16^{\prime \prime}$ Picture

MODEL CT 97P 18" Picture Measured Diagonally $359^{95}$

## $324^{95}$

- Channel Reception: VHF 2-13, UHF 14.83

Model CT 603-16" pleture measured diagonally, Transistorized circultry includes 3 IC's. Features illuminated AFT (Automatic Fine Tuning) Control. automatic degaussing, Set-and-Forget tuning, slide lever controls for volume, color, and tint. VHF dipole and UHF bow-tie antennas. Diecast handle. Rosewood gralned cabinet. With earphone. Size: $171 / 2 \times 23 \times$ $201 / 4^{\prime \prime}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shog wt., 63 ibs . 17 R 31983 WX No Money Down*

Net 324.95
Model CT 97P-18 $8^{\prime \prime}$ Picture measured diagonally. Slide-lever controls, Panalock AFT Control, automatic degaussing. Set-and-Forget tuning. Includes VHF dipole and UHF bow-tie antennas. $3 \times 5^{* *}$ oval speaker. Diecast handle. Vinyl-ciad walnut cablnet. With earphone. Size: $233 / 4 \times 181 / 2 \times 183 /{ }^{\prime \prime}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shog. wt., 81 ibs.
17 R 31942 WX No Money Down)
Net 359.95

Panasonic AN-112T B \& W TV with Digital Clock


- $16^{\prime \prime}$ Picture Measured Diagonally
- VHF 2-13, UHF $14-83$
- Memory Tuning
- Instant-on Picture and Sound

> 141 sq . in. viewable pleture. All-transistorized chassis. Exceptlonally clear picture is attained by adopting Set-and-Forget memory fine-tuning. Also features Automatic Gain Control, nolse ellminator. and power regula. tor circuits. Instant picture and sound. Compact, ilghtweight, and easily portable with retractable carrying handle. VHF monopole and UHF loop antennas. Imported. Size: $211 / 4 \times 14^{1} \mathrm{~K}_{4} \times 14 \mathrm{~K}_{3}^{\prime \prime}$. For 117 VAC. 60 Hz . Shpr. wt., 31 lbs.
> 17R24285WX No Money Down* ..Net 109.95

- $12^{\prime \prime}$ Picture Measured Diagonally - Earphone for Private Viewing
- VHF 2.13, UHF 14.83

An excliting portable TV-with full feature digital clock, steep timer, alarm and slidelever controls. Set TV to turn off automatically, pre-set it to wake you up to TV or alarm in thme to view your favorlte show. Monopole VHF and bowtle UHF antennas puli in signals strongly and clearly. Up-front dynamic speaker. The clock face lights up for easy nighttime viewing. The sleep timer shuts the set off automatically after up to 3 hours of viewing, Complete with personal parphone. For 117 VAC 60 Hz . Size: $117 / \mathrm{m}^{\prime \prime}{ }^{\prime \prime}$ $181 / 4^{\circ} \times 111 / 2^{-\prime}$. Imported, Shpg. wt. $231 / 4$ Ibs. 17 R $31918 \mathrm{WX}^{\prime}$ No Money Down Nel $119.9 \mathrm{~s}^{\circ}$

- 15" Picture Measured Diagonally - Channel Coverage: VHF 2-13, UHF 14.83


## intimate enough for personal pleasure

 large enough for the family to watch a spectacular, Walnut-grain cablnet with ebony and brushed chrome trim. The screen is a full $15^{\prime \prime}$ of rich. true color. AGC for excellent reception even in fringe areas. AFC pushbutton control fine-tuned, locked-in pictures. "Split-Second Start"-Instant picture, Instant sound. Front mounted speaker for full-fidel. ity sound. Includes dipole telescopic VHF and toop UHF antennas, UL LIsted. Imported. Slize: $21 \times 163 / 4 \times 143 \%^{\prime}$. For 117 VAC 60 Hz . 17 R $53219 w X$ No Money Down* Net 269.95Panasonic RC-6551 Digi-Dater FM/AM Digital Clock Radio Cinginis

- Unique Clock Radio Has a Built-in Day and Date Calendar

Panasonic RC-6900 FM/AM Clock Radio Announces the Time!
-12995

- Announces fime Whenever You Depress a Button
- May Be Set To Announce Time Every Hour On The Hour


## (E)

New Low Price
$75^{00}$
With Batteries

Your Own

## Panasonic RF-60 Solid State FM Stereo Headset <br> Sony 8F11W Hi-Rise FM/AM Table Radio

so Private Portable fM Music Chamber


Panasonic RE-6231 FM/AM Table Radio With One-Way Intercom
(c) $22^{88}$

Can Serve As An Excellent Babysitter When Used With An Optional Mike


D] PANASSNIC RC. 6900 FM/AM CLOCR RADIO, in place of the usual alarm, you can set the clock to annousce the time every ten seconds for up to thre minutes. Full-feature clock, 4 -step on/ofl/auto/call function switch. Dual 60 -minute sleer. timer and alarm setting control. Builtin FM and AM antennas, Ilsominated slide-rule tuning. AFC on FM. Continuous tone controt, $4^{\text {" }}$ dyramic speaker. Earphone/pillow speaker jack. FM external antenna terminal In midnight black and brushed aluminum cablnet. Sotid-state circuitry Complete with personal earphone. For 117 VAC, 60 Hz Size: $93 / 3^{" H \times 15 \% " W x 7 K " D . ~}$ Imported. Shpg. wt., 13 Ibs.
17 R 31090 W स No Money Down
Net 129.95
(E) PAMASONIC RF-GO FM MEADSET. Jortable, operates on 3 " $A A$ " batteries, included. Buift-in super sensitive FM/FM Stereo Radio. rmo sensitive antennas pull in both bcat and distant stations loud and clear. Tone control switch for instant selection of preterred bass or treble tones. Two $24 / 2^{\prime \prime}$ full range transducers. Imported. Shpg. $w t ., 31 / 2 \mathrm{los}$.
17 म 31660 L No Money Down"
Net 75.00
99 R 625c0
Netea. 10
(F) KLH 2r. Migh performance monaural FM recelving system. Sealed oiled walnut cabinet combines with a) outstanding buitt-in acoustlc suspensior speaker to provide truly Full range sound. Slabte solid state circeitry utilizes vernier tuninc, built-in antenna, bass, and treble cortrols. Powers external accessory speaker and supplies signals diectly to tape recorder fo qualty reproduction of FM broadcasts. Dim.: $12 W \times 64 / 8 \mathrm{H} \times 6 \%$ "D . For $1100120 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Shpg. wt., 10 ibs
24 R $44073 w x$ No Money Down*
Net 89.95

## Quality Table Radios for the Home or Office

 LaFAYETTE Solid State Stereo FM/AM Walnut Wood Table Radio

- FM Stereo Indicator Light - 22 Transistors, 21 Diodes
- Separate Bass and Treble Controls
- AFC For Drift-Free FM
- Tape Recorder Output Jacks
- Automatic Loudness Compensator
- Phono Input Jacks
- External Stereo Speaker Jacks
- Perfectly Matched 4" Wide Range High Compliance Speakers

Luxurious instant-on solid state AM/FM stereo table radio with many of the deluxe features nermally found only in expensive stereo hi-fidelity recelvers. Its compact size, makes it ideal for use on a bookshelf or table top. Its walnut wood cabinet will enhance the decor of your home or office. Equipped with built-in AM and FM antenna systems-all you have to do is connect this radio to a standard 117 VAC outlet to immediately enjoy standard AM, FM, or full dimensional FM stereo broadcasts. A special indicator light will enable you to readily identify FM Stations broadcasting in stereo. In addition, the radio is equipped with a phono input to permit playing
of a stereo record changer (with ceramic/crystal cartridge) thru the radio.. Stereo tape recorder outputs have been provided to let you record all stereo programs reproduced through the radio. You get magnificent tone from two matched 4" high compllance speakers. Bulit-in automatic loudness circult compensates for normal lass of bass experienced at low level volume. External output jack for headphones or stereo speakers. Tuned FM RF for extremely high sensitivity and selectivity. Illuminated sliderule tuning dial. For $\$ 17$ VAC, 60 Hz . Size: $20^{3 / 4} \times 7 \mathrm{H} / 4 \times 63 / \mathrm{m}^{\prime D}$. Imported. Shpr. Wt., 14 lbs.
99 R 35073w
Net 59.95

## Panasonic RE6137D Solid-State FM-AM Table Radio

## $24^{95}$

## - AFC For Drift-Free

 FM Performance- 4" Full Range Speaker

Beautiful, gracefully designed FM/AM Table Radio features rich tonal quality from its large $4^{\text {" }}$ full range dynamic speaker. Its smart, functional low profile styling will be a pleasing addition to the decor of any home or apartment. Dependable and reliable solld-state semiconductor circultry. Precision silderule tuning. AFC for drift-free performance on FM. Bullt-in AM and FM antennas. Handsome high impact antique white plastic cabinet with black trim. Size: $12{ }^{\prime \prime} \times 5 \%_{0}{ }^{\prime \prime} \times 4 \%$ ". imported. For $110-120$ VAC 60 Hz . Shpg. wt., 4 lbs. 17 R 31074

Net 24.95

## Low Profile Solid-State FM-AM Table Radio

$14^{95}$

- Distinctive Low Profile Styling
- Large $3^{\prime \prime}$ Speaker

Sleek, new look design-Oniy $41 / 2^{\prime \prime}+1 \times 81 / 2^{\prime \prime} L \times 2 \neq 1 / 4$ "W in size, but a glant in performance. Handsome, low profile walnut grain plastic cabinet. All transistor solid-state circuitry for instant-on play. Large 3" speaker for full, rich tone. Bullt-in AM/FM antenna system. Direct rotary tuning. AM/FM selector switch. For 117 VAC 60 Hz . Imported. Shipg. wt.; 2 lbs.
17 R 69439W
Net 14.95

## "Instant-On" AM Table Radio



- Large 3" Dynamic Speaker
- Direct Dial Tuning

Everyone can use a smartly styled, low priced AM Table Radio. Perfect for the kitchen, basement, or children's room. Solid-state circuitry provides instant-on play. Superheterodyne circuit for extremely high sensitivity. Big $3^{\prime \prime}$ speaker for fine tonal quality. Built-in ferrite bar antenna. Ivory plastic cabinet. Size: $41 / 2^{\prime \prime} x$ $81 / 4$ " $\times 212$ ". Fer 110 VAC 60 Hz . Imported. Shpg. wt., 2 lbs. 17 R 69447W

Net 8.95

- See Page 22 for Full Credit Details on Ensy Pay Plan



## $69^{95}$

## LaFAYETTE 3 PIECE SOLID STATE AM/FM/FM STEREO RADIO/RECEIVER

## MODEL LR- 30 FEATURES:

- Separate Slide Controls for Volume, Balance and Tone
- Two 5" Wide Range Speakers in Walnut Wood Enclosures
- FM Stereo Indicator Light
- Front Panel Stereo Headphone Jack for Private Listening
- Input Jack for Record Changer
- Tape Input and Output Jacks
- AFC on FM to Prevent Station Drift
- Handsome Walnut Grain Cabinetry

This handsome 3 piece modular system provides brilliant AM/FM/FM Stereo radio performance. Each rich sounding speaker system can be separated for the utmost in stereo effect. The radio section features an Huminated slide rule dial with logging scale for precise station selection. Includes features normally tound in more expensive component systems: Full complement of controls: volume, tone, and batance slide controls. AFC on FM to prevent station drift. FM stereo indicator Hght which identifies statlons broadcasting in FM stereo. Stereo tape recorder outputs to record programs heard on the radio. External inputs for record changer or tape recorder. Built in AM and FM antennas. Provisions for external FM antenna. Each separate speaker enclosure contains a full range $5^{*}$ speaker. Wainut grain cabinetry with black and sllver trim. Size: Receiver $153 / 4 \mathrm{~W} \times 47 / 8 \mathrm{H}$ $\times 91 / 0^{-D}$. Speazers $81 / 2 \mathrm{~W} \times 91 / 2 \mathrm{H} \times 51 / 2^{*} \mathrm{D}$. For $110-120 \mathrm{~V} 60 \mathrm{~Hz}$. Imported. Shpg. wt., 20 lbs .
17R 02315W No Money Down
Net 69.95
Lafayette MC-22B Minl 4 Speed Record Changer Ensemble for above (see page 91 for description). Shpg. wt., 7 Jbs.
21 R 01772 W No Money Down*
Net 34.95

## Deluxe LAFAYETTE Solid-State AM/FM Walnut Table Radio

 - Tuned RF FM and 4 IF Stages- Tape Recorder Output Jack
- External Speaker Output lack

A deluxe high-fidelity AM/FM radio employing an advanced solid-state circuit with 12 -transistors and 14-diodes. However, it is more than just an AM/FM radio, it combines a super-sensitive AM and FM receiving section with a tuned RF FM stage and 4 IF's, a high-fidelity amplifier, and a full. range acoustic suspension loudspeaker in one compact and handsomely designed $3 / 8^{\prime \prime}$ walnut wood enclosure. Built-in AM and FM antenna system. Separate Band Selector. Continuous Tone control, and Volume control. AFC for drift-free FM. Jack at the rear of the radio marked REC may be used to plug in a tape recorder to record any programs heard on radio. Also includes provisions for hooking up an externai 8 -ohm speaker as well as external FM or AM antenna, Beautiful oiled wainut wood cabinet with woven tan grill. For $105-120 \mathrm{~V}$., $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Size: $13 \mathrm{~L} \times 57 / 8 \mathrm{D}$ $\times 83 / \mathrm{m}^{\mathrm{*H}} \mathrm{H}$. Imported. Shpg. Wt., $103 / 4 \mathrm{lbs}$.
99 R 35644W
Net 39.95


Magnificent Hi-Fidelity Sound Reproduction from a Powerful $5^{\circ}$ Acoustic Suspension Speaker

Full Feature Backlighted Digital Movement - Wake up to Music, or Music Followed by an Alarm 15 Minutes Later

- 60 Minute Sleep Switch
- 15 Minute Snooze Button
- 2 Speakers-4" Woofer and 2" Tweeter delivers Rich Hi-Fi Sound
- Precision Engineered Sliding Volume and Tone Controls
- Blackout Slide-Rule Dial lights up when Radio is On
The most beautiful, and the best performing AM/FM clock radio Lafayette has ever offered. Handsomely styled on a Rosewood pedestal swivel base with Rosewoodi side panels. Features new revolutionary full feature General Time clock with backilighted digital movement that provides large easy-to-see numerals. A blackout slide-rule dial lights up when the radio is on. Separate precision slloIng controls for Tone and Volume. Front panel clock lever control for on, off auto, and alarm. Convenient "sleeps" slide lever control can be set to automatically shut the radio off (up to 60 minutes) when you go to sleep. Wake up at a preset time to music, or music followed by an slarm 15 minutes later. By depressing the snooze button, the radio turns off, and you can have an extra 15 minutes of sleep. Switchable AFC lock prevents drift on FM. Magnificent hi-fi sound is provided by a 2 speaker 2-way system consisting of a $4^{-1}$ woofer and $2^{\prime \prime}$ tweeter with crossover network. Built-in AM and FM AC line cord antenna. Slize: $12^{\text {n }} \times 5^{-1} \times 31 / 2^{\prime \prime}$. For $117^{\mathrm{VAC} / 60}$ Hz Shpg. wt., 8 lbs. Imported. 17 R O1911W No Money Down* 49.95
- Convenient Slide Lever Clock Controls Are Located On The Front Panel - Wake Up To Music, Or Music Followed By An Alarm 15 Minutes Later
- 60 Minute Sleep Switch
- 15 Minute Sncoze Button

This superb performing solid-state AM/FM clock radio features the new General Thrie back-lighted digital movement - a light shines thru the clock numbers making it easy to read the tlme in the darkest room. Unique, simple sliding lever clock controls are located on the front panel. So simple to set, even children and adults alike can operate this radio. Convenient sleep slide switch can be set to automatically shut the radio off (up to 60 minutes) when you go to sleep. Choose whatever you would like to wake up to at a pre-set time, music only or music followed by a soft alarm 15 minutes later. Catch an extra 15 minutes of sleep by engaging the "snooze" feature after the alarm sounds. Large $31 / 2^{*}$ speaker assures rich full bodied sound. Built-in AFC keeps FM stations from fading in and out. FM antenna is bullt into the $A C$ line cord for sensitlve $F M$ reception. The entire slide rule station panel lights up when listening, making it easy to tune even in a darkened room. Cabinet is of hi-impact polystyrene, black with wainut side panels. Operates on 117 V AC, 60 Hz . Size: $97 / 4{ }^{-W} \times 51 / 2^{\prime D} \times 31 / 2 " H$. Imported. Shpg. wt., 5 lbs.
17'R 01150 W No Money Down* Net 34.95

## LAFAYEITE Solid State AM/FM Digital Clock Radio with Slide Controls



- Large, Easy-To-Read Digital Clock Numerals
- Full Feature Back-Lighted Digital Movement


## Quality Clock Radios

## LAFAYETTE Solid-State Full Feature Clock Radios

Low Profile AM/FM Radio
Comblnes a fully automatic full feature Westclox clock with Soft Glow Electro-Luminescent Night Light and a superb FM/AM radio in a handsome low profile styled walnut grained plastic cabinet with black and sllver trim. Handy sleep-switch permits you to slowly drift-off to dreamland while the radio automaticatly shuts itself off (up to 60 minutes). Beautlful FM or AM music will awaken you at a preset time. Even Includes a snooze button so that the Radio can again be turned off to permit you an extra 10 min utes of sleep. All solid state circuitry with 10 transistors, 4 diodes and 1 thermistor provides high sensitivity and selectivity enabling you to pull in stations crystal clear, both near and far. Size: $91 / 2 \times 51 / 8 \times 31 /{ }^{2}=0$. For 117 V AC, 60 Hz . Imported. wt., $34 / 2 \mathrm{lbs}$. 17R 01895 W ............................Net 29.95

## Digital AM/FM Radio

An exceptionally fine performing AM/FM Solid State Clock Radio. Handsome walnut veneer wood cabinet. Illuminated 24 hour full feature leaf-type digital clock has large $3 / 4^{*}$ numerals, and needs to be set only once. Thereafter It will wake you up every morning at the same time without additional adjustment. A timer can be set to lull you to sleed with up to 60 minutes of music. Large prismatically it slide rule tuning dial. Wide-range $31 / 2$ speaker provides rich sound. Continuous tone control, AFC for drift-free FM performance. FM AC line cord antenna. Ferrite core AM antenna. Size: $4 V 4^{n} \times 12^{*}$ x $53 \mathrm{~m}^{\prime \prime}$. Shpg. wt., 5 lbs. Imported. For 117 VAC 60 Hz .
17 RO 01135 W
No Money Down* Net 39.95



With Earphone

- Full Feature Westclox Clock Movement - 60 Minute Sleep Switch - Precision Slide Rule Dial - 10 Minute Snooze Button - Large $31 / 2^{*}$ Speaker

- Full Feature llluminated 24 Hour Leaf Type Digital Clock
- 60 Minute Sleep Switch
- Walnut Wood Cabinet

Panasonic RE-6600 AM/FM Digital Clock Radio with Built-In Cassette Recorder

## Solid State AM Clock Radio



Wake Up to Alarm, Radio, or Pre Recorded Cassette Tape

Combination Fult-Feature Digital Clock FM/AM radio and a custom Cassette Tape Recorder. Clock Radio features: 24 hour timer, continuous tone control, full range $4^{\text {m }}$ dynamic speater, and AFC on FM. Cassette Recorder features: Auto-stop, Easy-matic Recording Level Control and push button controls. All solld state circuitry of extreme reliability. Built-in FM line cord and AM ferrite core antennas. Earphone/EAt speaker jack; phono and mike input jach. With earphone and remote control mike. Size: $41 /{ }^{*} H \times 187 / \mathbf{m}^{\prime \prime} \mathrm{W} \times 10^{\circ} \mathrm{D}$. Shpg. wt, 10 lbs . For $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported.
17 R 31066 W No Money Down ${ }^{*}$
Net 99.95

Wake up to beautiful music or news at a pre-set time. Compact, low profile decorator design. Ideal for bedside, table, booksheif, or desh. The full size clock makes for easy, accurate time telling. Only $4 y \times 83 \times 3^{*}$. Attractive walnut-gralned plastic cabinet. You will enjoy sensitive AM reception on all rour favorite stations. Features powerful $3^{* *}$ speaker for fine tonal quality. Automatic gain control circuitry, and built-in AM antenna. Solld state circuitry for instant-on play. No warm-up. For 110 VAC 60 Hz . Imported, Shpp. wt., $23 / 4 \mathrm{lbs}$.
17 R 69454
Net 14.95

## Our Best Selling Personal Portable Radios

## LAFAYETTE Battery/Electric Solid State AM/FM Portable Radio


$17^{95}$

- With Earphones and Batteries - Plugs into any AC Outtet or Plays Anywhere on 4 " $C$ " Batteries
- Powerful 3" Speaker

Handsome, full-sized personal AM/FM portable. Smartly styled leatherette cabinet with belge and chrome trim. Provides excellent FM as well as AM receptlon. Comes gift packed with earphone and batteries included. Features precision silde rule dial, and wide range $3^{\text {" }}$ dynamic speaker for clear, crisp tonal quallty. Telescopic FM antenna and ferrite core AM antenna. Leatheretfe carrying handle. Size: $9^{\prime W} \times 5^{\prime \prime} \mathrm{H} \times \mathbf{3 " D}^{-D}$. Imported. Shpg. wt., $31 / 2 \mathrm{lbs}$.
17 R 01903 L
Net 17.95
99 R 62572 Extra "C" bat. (4 req.) ............................ 16

LAFAYETTE Solid-State AM/FM Portable Radio


- Built.In AFC
- With Earphone, Battery and Carrying Strap
Handsomely styled, personal pocket-size AM/FM portable radio. Powerful solid-state circuitfy provides sparkiling performance. Precision slide-rule tuning dial. Large $2 V^{\circ}$ dynamic speaker. Built-in AFC. Ferrite rod antenna for AM, telescoping antenna for FM. Powered by single Inexpensive g-volf battery. Earphone for pri. vate listening. Black with wainut and chrome trim. Size: $5 \times 3 \times 11 / 2^{*}$. Imported. Shpg. wt., 1 lb .
17 月 $01937 L$
Extra 9 V batt
99 界 60212
Net 8.95
Net 2


# LAFAYETTE Solid-State AM Pocket Radio <br> Micro Solid-State AM Wrist Radio 



- Separate Unique Volume and Tuning Indicators
Low priced pocket AM Radio provides fine tone from a $21 / 4^{\prime \prime}$ dynamic speaker. Attractive styling with separate unlque volume and tuning indicators. Comes with Earphone for private listening. Instant-on solld state circultry. Built-in AM antenna. Operates on one Inexpensive 9 -volt battery. Black case. Size: $41 / 2 \mathrm{H} \times 21 / 2 \mathrm{~W} \times 11 / 4{ }^{-1}$. Shpg. wt., $11 / 2 \mathrm{lbs}$. Imported.
99 R 35123 L $\qquad$ Net 4.98 99 R 60212 Extra 9 -Volt Battery - Net .29
- Gift-boxed with Earphone and Battery
- Instant-on Solid State Circuitry


## Funloving spherical styling, unique easy-grip

 controls and carrying chain. Sensitive bultin ferrite core antenna pulls in both local and distant stations loud and clear. A $21 / a^{\circ}$ PM dynamic speaker dellivers rich sound. Size: 43/D.D. Imported.17 \& 31975 L Shpg. wt. 2 lbs. __. Net $0 . e t$ 99 R 60212 Extra 9V Battery $\ldots \ldots$ Net .29

Blue shown. May come in red of white.

- Gift Packed with Earbhone and Wrist-Strap Shaped Ilke a wrist watch, but actually a sensitive AM radio, only $23 /{ }^{\prime \prime}$ " $\times 15 \mathrm{~s}^{\prime \prime}$ in size. Utilizes space-age instant-on miniaturized solid state circuitry. Operates on 2 MS41 batteries (not included). Ferrite bar AM antenna. When you plug in earphone (included) radio speaker is cut off. Includes earphone and wriststrap. Imported. Shps. wt., 402
17R 21026 L $\qquad$ Net 13.95 MS41 Batteries for wrist radio. Package of slx. Shpg. wt., 3 oz. 32 R 46931 $\qquad$ Net 1.80


## Solid State Multi-Band Portable Radios

## LAFAYETTE BATTERY/ELECTRIC 4-BAND AM/FM/SW/MARINE PORTABLE RADIO

## FEATURES

- Built-in AC Line Cord
- AFC on FM to Prevent Drift
- Fine Tuning, Tone Controls
- SW: 9-18 Mhz, MB: 2.5-6.5 Mhz
- Horizontal Slide Rule Tuning

One of the most versatile and handsome multiband portable radios we've ever of. fered. Provides supert performance and magnificent tonal quality, You can Ilsten to standard AM and FM broadcas ts, thrilling international shortwave programs on the $9-18 \mathrm{MHz}$ band, and marine naviga. tion and weather reports on the 2.5 to 6.5 Mhz band. Fine tuning control for precise and accurate station selection on the shortwave band. Powertul reception from 23 solid state devices- 12 transis. tors, 10 diodes. 1 thermistor. Richly styied black and chrome cabinet with wainut grained slde panels. Plays on 4 "C" batteries (included) or 117 VAC with self storing AC line cord. Also features separate Tone control, telescoping FM, SW, and Marine antenna. Builthn AM antenna plus provision for using external wire antenna. Size: $1074 \times 71 / 2 \times 33 / 4{ }^{4}$. Shpg. wt. 7 libs. Imported. 17 R 02323L No Money Down* Net 34.05 Extra "C" bat. (4 req.)
99 R 62572
Net ea. . 16

## 3-Band Battery/Electric AM/FM/SW Portable



Tunes 3 Bands

## AM: 530-1600 kHz

With
FM: $88-108 \mathrm{MHz}$ SW: $\mathbf{3 . 8 - 1 2} \mathrm{MHz}$
Enjoy the finest in drift-free reception-hear your favorite news, sports, weather and special events on AM radio. Hear symphony concerts, world renowned soloists, jazz bands on FM radio. Tune In Paris, Rome, London, Moscow and dozens of other clttes on the International Shortwave band. This superb radio operates on $4{ }^{\text {" }} \mathrm{C}$ '4 batteries or on standard 117 VAC house current. Comes with convenlent carrying handle for effortless portablity. feafures AC/DC switch. logging scale for precise tuning, color-coded band indicator, and AFC for drift-free FM reception. Telescoplag antenna for FM and SW. Ferrite bar antenna for AM. Instant-on solidstate circuitry, earphone jack for private listening. Black padded, simulated leatherette cabinet. Size: $8 \% / \mathrm{W} \times 71 / 4 \mathrm{H} x$ $3^{\prime \prime} D$. Imported. Shpg. wt., 4/2 Ibs.
17 R 02307L $\qquad$ Net 27.95

Deluxe LAFAYETTE Battery/AC AM/FM Portable Radio


With Batteries

- AFC for Drift-free Reception - Precision Slide Rule Tuning - Superb Tone with Wide Range 312" Speaker

Superb-performing AM/FM portable radio in a deluxe cabinet with a big $31 / 2^{" *}$ wide range speaker for magnificent tone. Features one RF and three If stages for extremely high sensitivity and selectivity enabling the listener to hear more stallons. Precision Vernier slide rule tuning dal with logging scale. AFC on FM to prevent drift. Telescoping FM and ferrite core AM antennas. 10 transistors and 5 diodes. AC/OC switch. Rugged black leatherette cabinet with convenient carrying handle for effortiess portability. includes earphone and 4 "C" batteries Size: 5 s/6 $\times 9 \times 2 y / 2$ ". Imported. 17 R 01929 Lhpg . Wt., 4 Ibs. $\qquad$ 99 \& 62572 Extra "C"'bat. ( 4 req.) Net ea. 22.35

## LAFAYETTE'S Best Selling Police and Aircraft Portables

## "Air Master 400 4-Band 17 Transistor FM/AM/Police/Aircraft Radio

## Tunes 4 Exciting Bands!




[^12]
# DF IVF LAFAYETTE "Guardian 5000" 5-Band Solid-State AC and Battery-Operated AM/FM/SW/FM-VHF Public Service Radio 



## LAFAYETTE 4-BAND TV-FM-FM/VHF POLLCE PORTABLE RADIO



- Listen to TV Privately Without Disturting Others
- Listen to TV Anywhere Without Viewing


With Batteries and Earphone

## TUNES

- TV Low: Channels 2 thru 6
- TV High: Chanrels 7 thru 13
- Standard FM Bioadcasts: $88-108 \mathrm{MHz}$
- FM-VHF High band Police: 146-175 MHz
- Instant-an Solid State Circuitry

A unique and truly different concept in the deingn of a radio. Allows you to tune IV channels 2 thru 13. Listen to the many outstanding sporting events, variety shows and special normally transmitted only on TV. At night, use your IV for the plcture but control the sound from the radio-earphone lets you listen without disturbing pthers. Monitor Police and Fire emergenc: calls. Listen to U.S. Weather Bureau forecasts on 162.55 MHz . Also receives standard FM broadcasts. Operates on $4{ }^{\text {"c }}{ }^{\prime \prime}$ battenes or 110 VAC with optional adapter. Super-sensitive, instant-on solid-state circultry. Precision sliderute tuning dial, Built-in telescoping antenna, external antenna jack, leatherette carrying handle, earphone, and batteries. Black plastic cablnet. Size: $9 \times 5 \mathrm{y} / 4$ x 23\%"D. Imported.
99 R 356361 Shpg, wt., 4 Ibs. No Money Dcwn*
Net 39.95
99 R 62572 Extra "C" batteries. 4 req. ....................................... 16 99 R 35362110 VAC Adapter. Wt., 10 oz.

Net 3.95
Lafayette GUARDIAN "6000" 6 -Band Battery/Electric AM-FM-Police-Aircraft-Marine Portable Radio
Radio Direction Finder
$180^{\circ}$ Rotatable Ferrite Loop-
stick Antenna for LW, AM. and MB Reception plus Direction Finding on these Bands.

Optional Mounting Bracket for Marine use so that Radio can be secured.
only 3.95

## Signal Strength Tuning Meter/Battery Condition Meter

TUNES 6 BANDS

| 1 |
| :--- |
| 2 | LW: $180-380 \mathrm{kHz}$ Beacon Band

7995 With Batteries and Earphone

No Money Down*

- Individually Tuned Circuits
- Instant-on Solid State Circuitry

Professionally deslgned 6 -band portable radio with individuaily tuned clrcuits to provide extra sharp reception on each band. Tunes Long Wave Beacon Band, Standard AM \& FM broadcast Bands, Marine Band, Aircraft Communications Band, and FM-VHF Police and Public Service High Band including the 162.55 MHz U.S. Weather Bureau Forecasts. Can be operated on 4 "C'" batteries for portable use, or from 117 volt. 60 Mz AC with built-in AC line cord for home use. In addltion the Guardian " 6000 " also has Radio Oirection FIndint Facilities. This will-permit the boat owner to obtain bearings from marine beacon stations on the Lons Wave Beacon Band, from broadcast stations on the AM Band, and small craft stations on the Marine Band. Also Includes a calibrated optical sighting arrangement for visuat bearings. Other features include a combined Tuning Meter/ Battery Condition Indicator; adjustable telescoping whip antenna
(plus an external antenna jach) for reception on FM. AM/VHF (Air) and FM/NHF Police Band; adjustable squelch control to eliminate background noise on the FM. Air, and Police Bands; output lacks for use with headphone or external speaker; and Automatic Gain Control to vary the sensitivity of the radio and tuning meter for directionfinding purposes. Silde Rule dial has a logging scale for precise tuning and a push-button dial light. Large $4^{* *}$ Speaker for exceptional tonal qually. Steel handle for ease of portability. 18 Transistors, 14 Diodes, and 2 Thermistors. Size: $11 / 2 \mathrm{~W} \times 9 H \times 3^{\circ \prime} \mathrm{D}$. Imported 99 R 35065w Shpg. wt., $61 / 2$ ibs. No Money Down* Net 79.95 Mounting Bracket For Fixed Marine Use. Imported. Wt. 6 oz 17 R 64000

Net 3.95
Extra "C" Batteries (4 req.) wt., 4 oz.
99 R 62572
Net ea . 16

LAFAYETE "Air Master" 10 Transistor AM and VHF Aircraft Portable Radio


## $19^{95}$ With

Batteries, Earphone, and Carrying Strap

- $108-136 \mathrm{MHz}$ VHF AM Aircraft Band
- 540.1600 kHz AM Band
- Precision Slide Rule Logging Scale - Large 3" Speaker

Listen to the exciting frequencies of alrcraft communications in your home, car, or office on the $108-136 \mathrm{MHz}$ aircraft band. Monitor aviation control tower transmissions, listen to planes in flight, get their landing patterns and weather reports. You are actually with the pilot as he receives instructions for take-offs and landings. Also includes AM band. Features large $3^{* *}$ speaker, slide rule dial with logging scale, ferrite rod AM antenna, telescoping VHF antenna. Operates on 4 "AA" batteries (included) or on $117 V A C$ with optional AC adapter. Earphone for private listening. 10 transistors, 2 diodes, 1 thermistor. Size: 7"W $\times 41 / 9{ }^{*} \mathrm{H} \times 21 / \mathbf{2}^{*} \mathrm{D}$. Imported.
99 R 35230 L Shpg. wt., $21 / 4 \mathrm{lbs}$.
Net 19.95
99 R 35362 AC Adapter for above, Shpg. wt., 12 oz. Net 3.95 Extra "AA" batteries ( 4 required) wt., 3 oz .
99 R 62580

Net ea. . 10

# NEW ExClUSIVE From LAFAYETTE <br> <br> Deluxe Guardian 7000 Multiband Portable Radio 

 <br> <br> Deluxe Guardian 7000 Multiband Portable Radio}



## - Easy to Carry-Packs Like a Suitcase - Perfect for Combo or Home Use <br> $299^{95}$

Portable organ has a built-in fully transistorized 10 -watt ampllfier and two oval speakers. Ready to play anywhere. . Sultable for any entertainer, at home or school. 49-key keyboard spans 4 full octaves and produces a wide range of tonal variations. Three $16^{\circ}$ voice tabs -bass bourdon; bourdon; and strings. Four $\mathbf{B}^{\prime}$ volce tabs-flute; dlapason; strings; and trumpet. Trumpet tab simulates $4^{\prime}$ effects to give an even wider variety of sounds. On-Off tab vibrato with rotary speed and intensity controls. Volume/On-Off switch with pilot light and separate volume controf for bass octave. Photo-celi type expresslon pedal. Can also be played through an external amplifier. Comes In red and black trim. Size: 31" keyboard; helght $32^{\prime \prime}$ : $18^{\prime \prime}$ deep. Operate on 117 VAC. Imported from Italy. Shpe. wt., $611 / 2$ ibs. 13 R 66343W

## 四màgnus Chord Organ Ensemble



- Complete With Bench and Hard $39^{95}$ Covered Music Book
without lessons. Features Anyone can play this organ in minutes... without lessons. Features
37 full-size treble heys and 12 chord buttons. Handsomely designed 37 full-size treble heys and 12 chord butions. Handsomely designed
walnut finish hi-impact polystyrene cabinet with decorator inspired front panel enhances any decor. Stands $32^{\prime \prime}$ high on 4 detachable legs. Matching hassock bench has deep foam cushion in color coordinated textured vinyl. Matching music rack with light. On/OTt switch. Complete with hard-bound music book. Size: $94 / 2 \mathrm{H} \times 28 \mathrm{~K}_{0}$ Wx $10 \%{ }^{\prime \prime} 0$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 35 lbs.
12 R 58078 W




## HOLLOW BODY

## ELECTRIC GUITAR

OUTFIT with 5 -wat AMPLIFIER

## (A) DELUXE 2 PICK-UP "SLIMLINE" HOLLOW BODY ELECTRIC GUITAR

- "Laminated"--Steel Reinforced Adjustable Neck
- Individual Volume and Tone Controls
- Clstom Designed Tremolo Tailpiece

Custom crafted, professional quality instrument! Featuses 21 fret, oval rosewood fingerboard with mother-of-pearl inlaid position markers and triple bound edges. Has two ultra-sensitive, hum-free pickups with individual pole adjustments, height adjustments and indlvidual volume and tone controls. 3 -position lever switch selects bridge pickup for sola, and ferward pickup for thythm work; or, permits use of both pickups simultaneousiy. Large handsome cellutoid bound body is shaped and contoured for optimam sound response. Beautifully flamed highgloss polyestic finish, $16 \mathrm{~W} \times 4 \angle \mathrm{H} \times \mathrm{Z}^{\circ} \mathrm{D}$. Imported. 13 R 66020 W Shpr. wt., 15 lbs. ........... Net 79.95 Sturd) Case with Plush Lining For Above.


## (B) HEW! "CUSTOM" SOLID-BODY ELECTRIC GUITAR

- Black Acrylic Finished Body

A pe fect guitar designed for the young professional. Features a finely crafted mahog. any solld body cutaway with an uitra-silm fully adjustable steel reinforcee neck. Powerful twin pickups with incredible tonal response and a 6-way adjustable bidge let you prodice throbbing lows and shimmering highs. 3-position toggle switch and separate tone and volume controls for each pickup. Rosewood finger board and 8 large pearlized

- Hardwa`e Finished in Rich Gold Tone
pesition markers. Finished in show-stopping highly polished acrylic ebony color with rich gold tone pickups, machines, tailpiece and bridge. Larze handsome body has celluloid bcund riecl and top. Size: $40 \mathrm{~L} \times 123 / 4 \mathrm{~W} \times$ $174^{\prime \prime}$ D. Imported. Shipg, wt., 11 los.
13 R $24693 W$
Net 79.95
STURDY LIAEO CASE FOR ABOVE.
13 R 24705 W Shpg. wt., 7 lbs. Net 9.95


## SOLID \& HOLLOW BODY

# EIECTIC banses 

## (A) VIOLIN SHAPED 2.PICK-UP ELECTRIC BASS

Classic violin shape produces brilliant electric bass tones, with the rich accent of an acoustic guitar. Three position switch accentuates the highs, lows and mid-range. Delicately arched hollow body bound in decorative celluloid trim, features: a 4-plece laminated, fully adjustable, steel reinforced neck; bound rosewood fingerboard with heavy nickel silver frets and inlaid position markers; chrome plated trapeze tailpiece; adjustable bridge; fully enclosed tuning machines; sparkling sunburst finish with a celluloid pich guard, and mahogany finger rest, cord. $441 / 2 \times 13 \times 21 / 4^{\prime \prime}$. mported. 13 R 24532 W Shpg. wt., 8 Jbs.
13 R 24540 W Sturdy case for above. Shpg. wt., $71 / 2 \mathrm{lbs}$.

## (B) 2 PICK-UP SOLID BODY ELECTRIC BASS

Long neck, slimline electric bass guitar of sefected woods for excellent speed and response and easy fingering. Hand rubbed, shaded sunburst body finished in durable acrylic lacquer. 46" steel reinforced adfustable neck has celfuloid bound oval rosewood fingerboard, 20 frets, 8 pearl inlaid position markers, and large machines for fast accurate tuning. Sensitive pick-ups have adjust able pole pieces for precise balancing of individual strings. Two, feather-touch rocker standby switches for instant control of each pick-up. includes separate volume and tone controls and compensation adjustable bridge, With cord. Imported. Size: $46 \mathrm{Lx} 131 / 2 \mathrm{Wx1"0}$. 13 R 24615W Shpg. Wt. . $91 / 4 \mathrm{lbs}$.

Net 49.95 Sturdy Case for above. Shpg. wt., $53 / 4$ Ibs.
13 R 24623W
Net 9.95
C DELUXE 2 PICK-UP
C HOLLOW BODY ELECTRIC baSS
Produces deep bass tones with brilliant cadence! Features adjustable muting control; 2 perfectly balanced adjustable pickups; individual tone and volume controls for each pick-up; 3 position toggle switch for solo/ rhythm; fully adjustable compensating bridge; individual chrome covered precision machines; and custom designed tailpiece. Hard maple, steel reinforced adjustable nech with a 20 fret oval rosewood fingerboard. 9 mother-of-pearl inlaid position blocks, side position markers and triple bound edges. The beautiful. flame grained thin line, double cutaway hardwood body is celluloid bound and protected by a pick guard. With cord. Imported. Size: $46 \mathrm{Hxl} 6 \mathrm{~W} \times 2^{\circ \prime \mathrm{D}}$. Shpg. wt., 13 lbs.
13 R 66087 W
Net 89.95
Sturdy case with plush lining for above.
13 R G6095W Shpg. wt., 12 Its.
Net 13.95
 13 R 91242 WXM



# LAFAYETTE Deluxe Musical 

## 140 Watt Solid State "Piggy Back" Amplifier with Reverb-Tremolo, 3-Speakers, 2-Channels

- For Guitar, Organ and Vocal Use
- Hammond Reverberation Unit - Variable Tremolo
- 2.12" Special Design Heavy Duty Speakers plus High-Frequency Horn - Extruded Aluminum Panel

Piggy back amplifier with 14 silicon transistors plus slicon rectifier and heavy-duty power and driver transformers provides 140 watts peak music power! Closed back speaker designed to project low end response. Two $12^{\prime \prime}$ Heavy-Duty speakers plus a high frequency horn results in tremendous reproduction of brilliant highs, deep lows and solid midrange. Excellent for lead or mythm guitars. Two channels with high and low level inputs. Separate volume and tone controls for each channel. Depth control for reverb. Intensity control fon tremolo circuit. Footswitch jacks for reverb and tremolo activation. Pilot light, fuse, and on-off switch, sturdy wood cabinets covered in black textured scuff-resistant vinyl with metal corner protectors and heavy duty handles. Amplifier slize: $7 \mathrm{H} \times 221 / 2 \mathrm{~L} \times 103 / 4 \mathrm{CD}$. Speaker cabinet size: $27 \mathrm{H} \times 23 \mathrm{H} / 2 \times 114 / 2^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$.
13 R 01647 WX Shpg. wt., 68 lbs.
Net 199.95
Dual Foot Switch for Remote Control of Tremolo and Reverb.
13 R 01506 Shpg. wt.. $11 / 2 \mathrm{lbs}$....................... 4.95 Dolly for above Amplifier.
13 R 01498W Wt, $61 / 2 \mathrm{lbs} . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . N e t ~ 11.95 ~$


## 75 Watt Solid-State

## "Reverb-Tremolo" Twin Speaker Amplifier

-2-10" Heavy Duty Speclal Design Speakers

- Pulsating "Tremolo" For "Go-Go" Effect
- Hammond "Reverb" Unit For Echo-Like Effect

Get faithful reproduction of every nove. Excellent for guitar, organ and vocal use. Has special heavy-duty speakers. All Solid State 10 transistor circuitiry provides excellent performance. 3 instrument inputs for gultar, microphone, and organ. Powerful 75 watt peak music power amplitier. Has a volume and 2 tone controls. Features remote control foot switch jacks for colorful tremolo and reverb operation plus 2 tremolo controls and 2 revert controls; on/off switch; pllot light and carrying handle. Sturdy wood case covered in shimmering black vinyl. Size: $25^{\prime \prime} \mathrm{H} \times 183 / 4{ }^{\circ} \mathrm{W} \times 8 \mathrm{y} \mathbf{y}^{\prime \prime} \mathrm{D}$. Imported. For 117 Volts, $50 / 60 \mathrm{~Hz}$. AC. Shpg, wt., 32 lbs.
13 R 01696 W
Dual Foot Switch for Remote Control of Tremolo and Reverb.
13 R 01506 Shpg. wt., $11 / 2$ lbs.
Net 4.95


- "Reverb" For Echo-Like Effect
- Tremolo For Pulsating Sound
- 12" Special Design Speaker
- 3-Instrument Inputs
- Easy Reach "Slanted" Front Panel

Features a built-in heavy duty $12^{\prime \prime}$ speaker for clean reproduction of every musical note. Excellent for guitar, microphone, and accordion use. Three instrument inputs. Five controls: two for volume and tone; two for speed and intensity of tremolo, and one for "reverb" depth control. Footswitch jacks for remote control of tremolo and reverb. 40 watt peak, music power AC amplifier chassis uthizes 5 dual tubes equivalent to an 8 tube circuit, plus solid state rectifiers for rellable operation. Also has pilot light, on/off swifch and fuse. Sturdy wood cabinet covered in black vinyl. Size: $22 \mathrm{H} \times 17 \mathrm{~W} \times 81 / 2^{\prime \prime} \mathrm{D}$. For 117 VAC 50.60 Hz .
13 R 01662W Shpg. wt., $291 / 4$ lbs.
Net 79.95
Oual Fcot Switch for remote control of tremolo and reverb.
13 R 01506 Shpg. wt.. $11 / 2$ Ibs. ............................. Net 4.95

## Instrument Amplifiers



## 170-Watt "Piggy Back" Bass Amplifier

- Two Powerful 12" Special Design Heavy-Duty

Speakers With 20 Ounce Alnica Magnets

- Projects "Big Bass Sound"
- Excellent For Use With Bass, Accordion and Combo-Organ
" Easy Reach" Extruded Aluminum Control Panel
A real powerhouset Fabutous, full bass sound with a minimum of distortion. Jwo powerful $12^{\prime \prime}$ speakers have a wide-range response. The amplifier features three inputs with deep and sharp selector switches, treble bass, and volume controls and neon pilot lamps. Fuse and 3 -oosition switch for power off/standby/on. Super 170 -watt peak music power chassis uses 5 tubes, 2 dual purpose fubes for 7 lube performance, and all solid state rectifier power supply circuit. Heavy duty transformers provide greater output. Two units: Rugged acoustic wood amplifier/speaker cabinet, and a "piggy back" amplifler which sits neatly on top of speaher cabinet. Cabinets have attractive gray and silver acoustical cloth. Ribbed vinyl carrying handle. Speaker cabinet size: $30 \mathrm{Hx} 221 / 9 \mathrm{~W} \times 131 / 2 \mathrm{D}$; Amplifier cabinet size: $94 / 4 \mathrm{H} \times 221 / 2 \mathrm{~W} \times 11^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC} 50 \cdot 50 \mathrm{~Hz}$. size: $91 / 4 \mathrm{Hx} 221 / \mathrm{W} \times 1 \mathrm{~N}^{\prime \prime}$. for $117 V A C 50.50$
13 R 01654 WX Shpg. wt. $881 / 4$ lbs.

Net 199.95
Additional Saeaker system Unit (Less Amplifier)
13 R 01720wx Shpg. wt., 60 lbs.
Net 99.95

## 20 Watt Solid-State "Tremolo-Reverb"' Amplifier

- "Reverb" For Echo-Like Effect
- Tremolo For Pulsating Sound
- Tremolo Speed/Depth Reverb Controls
- Heavy-Duty $10^{\prime}$ Speaker

Impressive, 20-watt solid state peak music power reverb' and tremolo amplifier with self-contained $10^{\circ}$ heasy-duty speaker. Slanted, front-mounted control panel features "easy-to-reach" controts for Volume, Tone, Reverb, Iremolo speed, Tremolo depth iwo instrument inputs; reverb and tremolo foot switeh input jack; bright-glow pilot light. Housed in an attractive sturdy vinyl covered wood eabinet with carry handle and grill cloth. Slze: $19^{-1 H} \times 5{ }^{-1} \mathrm{~W}$ $61 / 2^{* \prime D}$. For 117 V ., 60 Hz AC . Imported. Shpe. wt. 16 lbs . 99 R 92074W

Net 49.95


Dual Foot Switch for remote control of tremolo and everb. Shpg. wt., $11 / 2 \mathrm{lbs}$.
13 R 01506
Net 4.95

## Musical Instrument Amplifiers-Reverb Units



## 5 WATT SOLID-STATE $\geq \triangle 95$ STUDENT AMPLIFIER <br> STUDENT AMPLIFIER

- Volume and Tone Controls

Great for the student or beginner! Features rugged, solid state circuitry for cool. Instantaneous amplification and trouble-free operation. Provides 5-watts peak music power into a heavy-duty speclally designed $6^{\text {" }}$ speaker with exceltent clarity and tonal response. smartiy styled control panet has ondoff, Volume control and Tone control; and three instrument inputs. Attractlvely designed sturdy wood construction covers d in water repellent, scuff-resistant black vinyl. With carrying handle. Size: $16 \mathrm{H} \times 14 \mathrm{~W} \times 6$ "0. For 117 V , 60 Hz AC operation. Shpg. wt., 13 jbs
13 R $01704 W$
Net 24.95


## 10 WATT SOLID-STATE 3695 'TREMOLO' AMPLIFIER

- Tremolo Speed And Intensity Controls - 3 Inputs-Foot Switch Jacks

Functional, attractive, all-transistor iremolo amplifier. Delivers 10 -watts peak music power to a specially designed $8^{\prime \prime}$ speaker for full instrument range. Front mounted control panel has controls for Tone, Volume, Tremolo speed, Tremolo intensity; three instrument inputs: tremolo foot switch input jack; and pliot inght. Housed in a sturdy wood cabinet with jet black vinyl covering and harmonizing grill. Carrying handle. Size: 19 Hx 16 Wx $842^{\circ " D}$. For 117 V., 60 Hz AC . Wt., 19 lbs. 13R 01712 w Net 36.95 Foot Switch For Remote Control of Tremolo. 13 R 01514 Shpg. wt., $1 / 2 \mathrm{lb}$....... Net 2.99


## 12 WATT SOLID-STATE BASS AMPLIFIER

## - 10" Heavy Outy Speaker

- 3 Inputs-Volume/tone Controls

Excettent choice for the student. 12-watt peak music power output. Rugged dependablilty with $10^{\prime \prime}$ heavy duty bass speaker; front mounted volume and tone controls for easy access. Inpuls for three instruments! Solid state circultry for instantaneous response and trouble-free operation. Pllot light. Cabinet is sturdity construcled of wood with a scuff-resistant, black vinyl covering. Handsome matching grill. Carrying handle; rubber feet. Size: $1^{\prime \prime} H \times 19^{\prime \prime} W \times 8^{\prime \prime} \mathrm{D}$. For 117 V ., $60 \mathrm{~Hz} A C$ operation. Shpg. wt, 17 lbs.
13 R'24649w No Money Down* .... Net 44.95

LAFAYETTE SOLID STATE "ECHOVERB" REVERBERATION UNIT


## LAFAYETTE TWO-CHANNEL "ECHO-VERB 11" REVERBERATION UNIT



- 4 Inguts Mix and Fade
- Master Reverb Intensity Control
- Separate Volume Controls For Each Channel


#### Abstract

"Echo-verb $11^{\text {to }}$ offers full. dynamic reverteration, comparable to professional sound, in a tighiweight, transistorized compact unit. Has two inputs for microphones and two inputs for instruments, each with individual volume controls to permit mixing and fading. A separate, full-range Reverb Control adjusts from zero to maximum intensity, assuring you a desired level of reverberation. The "Echo. Verb $11^{\circ \%}$ also features a pllot light and a foot switch jack which allows you to cut reverberation in or out from anywhere in your room. Can be easily connected to an Instrument amplifier, P.A. amplifier, or $\mathrm{Hi}-\mathrm{Fi}$ amplifier/recelver. Simulated black pebble-graln leather enclosure with teather strap. Size: $33 / 4 \mathrm{H} \times 115 / 2 \mathrm{~W} \times 61 / \mathbf{z}^{-D}$. For 117 VAC $50-60 \mathrm{~Hz}$. Imported. Shpg. wt., 4 lbs. 99 R 92116 W Foot Switch for Remote Control of "Echo-Verb II". Shipg. wt., 1/2 tb.


 13 R 01514Net 2.99

## LAFAYETTE SOLID-STATE 120-WATT PA and MUSICAL INSTRUMENT SOUND SYSTEM

A two piece portable sound system that is easy to handle and extremely versatile. Features a mono-stereo mixer control center and a separate solid-state amplifier-speaker system. Mixer can handle up to 4 amplifier-speaker ( 120 watts each) giving up to 480 watts of power and all the flexibility you will ever need. Amplifies voices as well as instruments,

## ——Master Control Center Features:

- 4 Channels- 8 Imputs
- Each Channel Has 2 Inputs (Migh and Low) with Individual Volume, Bass and Treble Controls
- 2-Sider-Type Master Volume Controls for Mono or Stereo
- Two 3" Illurninated VU Meters to Monitor Preamp or Power Amp with Selector Switch
- Solid State-All Silicon Transistors
- Drive Capacity for 4 Amplifier-Speaker Systems
- Contral Center is Built Into A Carrying Case with Detachable Lid
$299^{\text {5 }}$
No Money Down ${ }^{\circ}$



## - Amplifier Speaker System Features:

- Solid State 120-Watt Power Amplifier with Four $10^{\circ}$

Jensen Speakers
This unique portable sound system has exceptlonal performance for use with many instruments and voices. Control center features all of the above plus on-off switch, pilot light, fuse, 2 aux. AC receptacles and output connector with on-off switch for echo or revert equipment. Ampilfier-speaker systems and control center may be stacked. May be used for stereo with second ampilfier-speaker system. Amplifier-speaker system size: 27 Hx 23 W $x 111 / 2^{\prime \prime}$. Control center size: $9 H \times 21 W x 8^{\prime \prime}$. Sturdy black vinyl covered wood cabinets with handies. With cords and plugs. For 117 VAC 60 Hz . 13 R 90756 WXM Shpg. wt., $781 / 2 \mathrm{lbs}$.
"Add $0 \pi^{4} 120$ Watt Amplitier-Speaker System. Shpg. wt., $531 / 2 \mathrm{lbs}$. 13 R 01597wx

Net 299.95
Net 145.95
Heavy Duty Aluminum Dolly for above system. Shpg. wt., 7 las. 13 R 01605 W

Net 21.95

## GRAPHIC EQUALIZER AND REVERBERATION UNIT

- Corrects Acoustic Inadequacies Wherever you are Performing
- Balance your sound by adding or subtracting Highs or Lows
Every Group Needs An Audio Spectrum Equalizer-Easily Connects to any Amplifier. Eliminate. "hisses," dead spots, flat spots, and acoustic feed back howilng from your amplifier. Add bothom to a voice or instrument, or eliminate bottom and add highs. Convert your guitar or Bass amplifier to an acceptable P.A. amplifier. Seven individually calibrated silde controls for precise frequency selection from 100 Hz, to 7000 Hz ., covers the spectrum for most volces or Instruments. Features Hammond Reverberation unit with depth con. trol which renders limittess color to your sound. Has on-off switch, volume and tone control, pllot fight. Altractive simulated leather grained case with chrome trim. Vinyl cover included. Size: $19^{\prime \prime} \mathrm{W} \times$ $71 / 40 \mathrm{H} \times 73 / 4 \mathrm{D}$. For 117 volts $50 / 60 \mathrm{~Hz}$. AC. Imported. Wt., 10 Ibs . 13 R 66533W No Money Down ${ }^{\circ}$


## LAFAYETTE ENTERTAINER MICROPHONES \& STAND

## (A) CARDIOID DYNAMIC MIKE

A superb dynamic microphone designed for applications where location of performer in relation to speakers causes feedback and reverberattion. Highly directional capdioid pattern. Duat impedance: 50 K or 600 ohms, selectable by switch. Response: $100-10,000 \mathrm{~Hz}$. Mylar diaphragm. Onvoff switch. Modern design, satin chrome finished die-cast case. For handheld of stand use. Size: $81 / 4 \mathrm{LIl} 1 / 2^{-1}$ D head. With swivel stand adapter and 20 ft . detachable cord with phone plug at other end. imported. Shpg. wt. 3 lbs.
99 R 45294
Net 12.95
(B) DELUXE BALL DYNAMIC MIKE

Modern design features dual impedanceHigh 50K ohms, or low 250 ohms. Omni-direc. tional, $100 \cdot 10,000 \mathrm{Mr}$. Has on/off switch. Ball screen insures against "pop" and wind blast. Die-cast, finished in satin aluminum. Sire: $61 / 4^{-1}$ long, max. diam, of ball $21 / 0^{*}$. Complefe with detachable 20 fl . cable and phone plug. Black metal desk sfand and adapter for any $5 / 8-27$ floor stand. Imported. 99 只 46203 shpg. wt.,

Net 16.95


## C)ATLAS MIXE

 FLOOR STANDModel MS-10C Mike stand featuring "Full-Grip" clutch mechanism for fast quiet adjus tments. Functionally de slgned base assures maximum stability plus 3 "antitip" points. Full chrome plated fube assembly. Terminates in a $5 /{ }^{\prime \prime}$ " -27 thread. Base dia. $10^{\prime \prime}$ tinished in gray shrivel. Height adt. 35 to $63^{\prime \prime}$. Shpg. wt. 103/4 lbs. 44 月 10031 W .. Net 8.91

# AUTOMATIC RHYTHMER 

No Money
Down*

## - 12 Exciting Rhythms

- A Versatile Electronic Instrument Producing a Wide Variety of Rhythms For Accompaniment

Solid-state portable rhythmer. Ideal for teachers to produce wide variety af rhythms and a steady beat for the students to follow. For students - a complete rhythm section to play along with. For single performers - bring along your own rhythm section! Works with any amplifier to produce 12 distinctive rlythm selections plus an infinite variety of accompaniments by mixing two or more rhythms. Varlable tempo control can be set for accomozniment to Waltz. Fox Trot, Rhumba, Samba, Mambo, Slow Rock, Fast Rock, Swing. Bossa Nova, Cha-Cha, Tango, or a March. Each rhythm is
made up of a variety of percussion sounds: Bass Drum, Snare Drum, High Hat, Cow Bell, Gass Conga, Tenor Conga, and Cymbal. Additional features include: Master Volume and $\mathrm{On} /$ Off control, Tone control, On/Oif rocker swlich for instant control or thythmer plus On/Off Remote Control Foot switch, pilot light and 12 pushbutton rhythm selectors. Circuitry: 32 transistors, 95 diodes. For 100.117 VAC $50 / 60 \mathrm{~Hz}$. Handsomely styled walnut finish case with brushed aluminum panel. Size: $173 / 4 \times 41 / 4 \times 91 / 2^{*} \mathrm{D}$ Shpg. wt., $151 / 4 \mathrm{lbs}$. 13R24557w
Net 129.95

AUTOMATIC RHYTHMER


- Complete with brackets for under keyboard mounting
- Mix sounds-Set tempos

A marvel of the micro transistor age. A compact electronic automatic Thythmer, computer designed, to produce a selection of 10 efching rhythms. 5 duat selector switches render distinctive popular rhythms: waltz, mambo, bossa-nova, rock 1, rock 2 , fox trot, cha-cha, latin beat, polka, and ballad. Gives fantastic repro duction of actual ihythm instruments including brushes, claves, conga drums, snare drum, bass drum, and maracas. The compact control panel contains separate tempo and volume controls, on/off switch, down beat start switch, pllot light, fuse, and output connecting fack. Panel is designed to be operated from efther the top of organ or under the keyboard. Brackets are provided for under keyboard mounting. Cabinet of walnut wood veneer, For 117 VAC $50 / 60 \mathrm{~Hz}$. Size: $3 \mathrm{H} \times 9 \mathrm{~W} \times 91 /{ }^{\prime \prime} \mathrm{D}$. Shpg. wt., 5 lbs .
13 R 66541W

Net 99.95

## "SUPER" AUTOMATIC RHYTHMER



## - Nineteen Automatic Rhythms

- Fox Trot/Swing Section with 36 Variations
- For teachers, students, performers

Become a one-man combo with this fully transistorized instrumentyou'll never miss a beat! Provides nineteen computer programmed rhythms plus a special Fox Trot/Swing section with thiry-six varlations. By mixing two or more thythms, additional sounds can be added to create a myriad or accompaniments. The "Super" Automatic Rhythmer gives you "true-to-life" sound, tonal varlations and accurate tempo. Actual musical instrument sounds created include Bass Drum, Large and Small Conga, Claves, Cowbelt, Maracas, Snare Drum and Cymbal. Computer programmed rhythms include: Rock 1-2-3-4; Ballad; Westem; Bossa Nova 1-2, Tango; Rhumba; Mambo; Cha-Cha; Samba; Beguine; Meringue; Waltz/Vennese Waltz: and ehirty-six variations of Fox Trot/Swing. Controls: Tempo; Volume On/OIf Switch; Pllot Light; Tone Downbeat Start Switch; Fuse; Migh Low Impedance Outputs; and Foot Control. Vinyl carrying bag. For $117 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$. Size: $41 / 3 \mathrm{Hx} 91 / 2 \mathrm{~W} \times 14^{\prime \prime} \mathrm{I}$. Imported.
13 R 66509 W Shpg. wt., $103 / 4 \mathrm{lbs}$.
Net 169.95

## $79^{95}$

Finally an electronic instrument that can truly simulate the rotating speaker effect through any musical Instrument amplifier! Not anly produces the Fast or Slow otating effect but, by the use of the remote speed control pedal, can vary the speed at any rate you desire. Enables the player to procuce the various modern effects which are being used on the stage, in the studlo, and with theater organs. Can be used with any of the following instruments: organ, bass guitar, phythm and lead geltar. electric plano. accordion, \& other electronic band lestruments. Plus: Voice for vocal effects now being used by the top recording groups around the country. Easily connects between instrument and ampllifier. Foot pedal has cancel switch to instantly cancel effect being produced. Also features a rocker switch for selecting eithes the rotating speaker effect or a true vibrato effect. Other controls include Voume, Chorus/Vibrato, Intenslty. On/Off power switch, isse, pilot light, inputs for 2 in . struments, and an output for the amplifier. Unit is AC operated, fully transistorized, and has a nugged metal construction. Compact, only $10^{\prime \prime} \mathrm{W} \times 61 / 2^{\prime D} \mathrm{Dr} 3^{\prime \prime} \mathrm{H} . \mathrm{Ca}^{2}$ be paced in any conveniently reached location. Imported. Shpe. wt., $73 / 4 \mathrm{lbs}$.

Net =ises

## SUPER-DRIVE FOOT PEDAL CONTROL

$$
3795
$$

- Use on P.A.

Guitar, Bass, Organ, Electric Piano. Etc.

- Built-In Volume Control Pedal
- G-Step Calibrated Input Boost
- Volume "Leakage" Control
- Full Die-Cast Casing
- 100 Times Amplification factor

Fully solid state Super Drive offers a new dimension in completely controlled sound. Set your amplifier for the tonal range desired and let Super Drive provide the volume you wish to play. This eliminates amplifier playing at full volume. Contains a calibrated attenuator which provides 6 ranges of boost, plus a bult in volume pedal which varies the boost selected. Super Drive provides ""clean disfortion", rich harmonics and is capabie of endless sustain. In addition, Super Drive also contains a volume "leakage" control which will adjust the volume pedal to hold a desired leakage when the control is in the off position. Battery powered. Frequency Range: $20-30 \mathrm{kHz}$. Size: $11^{3 / 4} / 5^{51 / 4}$ Wx $31 / 2 \mathrm{NH}$. Shpg. wt., $5^{3 / 4}$ lbs.
13 R 66517 No Money Down*
99 R 60212 9V Battery

## WAH WAH SOUND <br> and VOLUME CONTROL <br> - Produce A Wide Variety of Special Sound Elfects <br> - Use With Any Electric Guitar or Bass <br> Net ea. .25 $\rightarrow T$ <br> Only $29^{95}$



Produce the Wan-wah effect of a trumpet or tranbone with your guitar of bass, electronically. Add extra instruments to your combo by creating the effect of synthesized tones identical to those of a trombone or trumpet wehen muted by hand or derby. No reaching down for controls. Large, $81 / 2^{\prime \prime}$ lootpedal gives yot the full range of Wah-Wah sounds plus operates as a volume control by depressing a built-in switch under the heel of the footpedal. Irput jack contains a switch to turn the unlt on or off. Operates on 3 " C " cells. Fully transistorized, rugged construction. Imported. Size: $10 \times 3 / 4 \times 3^{3 "}$.
13 R 66301 Shpg. wt., $31 / 4$ lbs.
Net 29.95
99 R 62572 Battery for above, 3 required. Net ed. . 16

- See Page 22 for Full Credt Details on Easy Pay Plan

- Rernote Control Foot Switch for Ease of Operation

AC operated super fuzz. No more batteries to fuss with as in conventional units. No more bending to adjust controls; control unit is separate from foot switch. Can be placed on ampilfier or speaker within easy reach of the performer. Controls include Balance, Expander. and Tone control for a complete, controlled range of sus pained luzz effects. Electronically creates a harmonic producing sustained sound, now being used oy top recording artists. Connects easlly between your guitar or bass and the amplifier. Includes remote control foot switch. Long-lasting, solid-state circuitry combined with rugged metal construction. Size: $73_{4}{ }^{\prime \prime} \mathrm{W} \times 5^{\prime \prime} \mathrm{Dx} 2^{\prime \prime} \mathrm{H}$. For $117 \mathrm{VAC}, 60 \mathrm{Mz}$. Imported. Shpg. wt., $21 / 4$ ibs.

## 13 R 66418

Net 39.95

## SUPER FUZZ

Today's "In-Sound" onty $27^{95}$

- Super fuzz Can

Froduce an Expanded Cimension in Sound

- Ful Control of Fuzz Sustain Effects


## - Heavy Metal Casting For Lorg Life and Appearance

Solid-state Super Fuzz provides a complete range of controiled new sustaired harmonic effects. Produces the wild new In-Sound widely used by the top recording groups Balance controf enables perfect blend of fuzz and normat tones. Espander control provides unlimited range of sustained fure effects. Tane switch permits cholce of conventiosal fuzz or new harmonic sustained effects. Master foot contro switches instantly to normal guitar operation. Rugged diecast retal construction. Size: 6hex3x17/4". With cord and battery. imported. Shpg. wt., 21/2 tbs.
13 R E6525
Net 27.95
99 R 50212 Battery for Above
Net 25

# Musical Instruments \& Accessories 



- Lets Anyone Professionally Tune a Guitar in Minutes

25

- Great For the Beginner

Tune your gultar visually! The easy-to-use Vu-Pitch tuner with 6 pre cision tuned reeds works on the principle of sympathetic vibration. When the gultar string is exactly tuned, the ylbration from the string will be transmitted to the associated reed and cause it to visibly vibrate thereby Indicating proper pitch. Great for the beginner, the vu-Pitch tuner, will tune your gultar rapidly and precisely in a professional manner. Shpg, wt., 6 oz.
13R48507
Net 5.25


## $12^{75}$

Streamilned, pieasant tone keywound metro. nome gives both a visual and audible beat fiming from 40 to 208 beats per minute. Highly popular among professional musicians, an invaluable aid while practicing or giving instruction. When set on 40 scale will oper. ate over an hour. Brown case with clear front. Imported. Shpg. wt., $11 / 2$ lbs. 13 R 66558

Net 12.75

## oflelh cilliomas <br> ELECTRONIC METRONOME

Precision Instrument, contains 2 compiete electronically calibrated beat sys. tems; audible and visual, 40 to 208 beats per minute. Single knob control, calibrated radial dial plus neon light. Wooden cabinet, operates on 115 V AC 60 Hz . Walnut. Shpg wt., $34 / 4 \mathrm{lbs}$.
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Net 21.95


## As Low As

$10^{95}$

- With Case,

Spare Mouthpiece-Instructions
Student Melodica-Ideal for the beginner. 20 chromatic keys from middle C to G , give it a range adequate for most music.
13 R 66319 Shpg. wt., $11 / 2$ lbs.
Net 10.95 Soprano metodica--Similar to above. 25 keys from middie $c$ 13 R 66327 Shpg. wt., $11 / 2$ lbs. Alto Melodica Similar to above, 25 keys from low $F$. 13 R 66335 Shpg. wt. $13 / 4$ lbs.

Net 14.95


Pure white perfect calfskin heads for best rlythm effect and authentic tone. Sparkling color finish. Sturdy construction full flanged counter loops with heavy chrome plated hardware. Four tuning lugs on each bongo. Head sizes: $73 / 4^{\prime \prime}$ and $61 / 2^{\prime \prime}$. Overall $7^{\prime \prime}$ deep. Complete .with Tuning Key. Imported. Shpg. wt., 3 tbs.
13R 87042W
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$11{ }^{95}$. Porvises A Dimatiic Expansion Of Power From Your Amp

Solid-state preamplifier that will boost the output of any electric instrument (guitar, bass, organ microphone, efc.). Has 2 -tran. sistor circult that provides 1 volt of power from a 50 millivalt input. Has emitter follower output and provides a high degree of boost with full fidelity. Boosts the power of an amplifier. Instant change switch allows lnstant change from regular instrument output to pre-set boosted output. Plugs into input jack of music amplifier. Increases gultar sustain. Improved periormance of alf fusz tones and wah-wah pedals. Shpg. wt., 1 tb.
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(A) Cuitar Strings. Set of 6 , plated copper wire wound.

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(A) Nylon Classic Suitar Strings. Set of 6.

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Net 1.69
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13 R 5288910 Ft .
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## 13 R 66565

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(F) Deluae Adjustamle Bright Sparkle Vinyi Neck Strap for Gultar. Brass Plated Buckle.
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(G) Qeluxe Adjustable Embraidered Hootenanny Neck Sirap, colorful fabric and leather, brass plated buckle.
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## 4 PIECE GUITAR ACCESSORY KIT

An ideal 4 piece set for the beginnerConsists of: 1 set of (6) Flatwound Gultar strings; guitar pitchplpe; adjustable foam padded gultar nech strap and 8 guitar picks-6 flat and two thumb picks.
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Book and instruction record for the beginner. Chord sounds and pictures plus "strum" along favorites. Shpg. wt. 6 oz .
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Authoritative 4 string electric bass guitar method book
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## SUPER POWER CADENCE MUSICALINSTRUMENT SPEAKERS

- Provides Natural Reproduction of Amplified Instruments
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Improved musical instrument speakers with heatproofed voice colls and reinforced steel chassis for long life at higher power levels. Specialiy designed to meet the rigid requirements for
replacement in electric organs, guitars, bass guitars, and accordions. All speakers have 8 . ohm voice colls, All speakers are round except $t$ which is oval.

| Stock Na. | Utah Model | Type | Structure Wh. Lis. | प.C. Bia. (in.) | $\begin{aligned} & \text { Peah } \\ & \text { Audio } \\ & \text { (watts) } \end{aligned}$ | For Use with | Depth (in.) | Shpe. wt. (D.s.) | $\begin{aligned} & \text { Met } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 R 49349 | MH-8JC | $8^{\prime \prime}$ | 17/4 | 1 | 30 | Organ, Gullar | 3 | 3 | 4.95 |
| 32 R 49356 | MH-10JC | $10^{\prime \prime}$ | 11/4 | , | 35 | Organ, Guitar | 30\% | 41/4 | 13.95 |
| 32 R 49430 | MHIOPS | $10^{\prime \prime}$ | 4 | 112 | 50 | Organ, Guitar, Bass Guitar, Accordion | 3\% | 7 | 15.95 |
| 32 R 49364 | MH-12JC | 12' | $13 / 4$ | 1 | 40 | Organ, Guitar | 4\% | $61 / 4$ | 11.95 |
| 32 R 49372W | MH-12PC | 12" | 4 | 11/2 | 60 | Organ, Guitar, Bass Guitar Accordion | 4\% | 81/4 | 15.75 |
| 32 R 49380W | MH-12PXC | $12^{\prime \prime}$ | 61/2 | 11/2 | 70 | Organ, Guitar, Bass Guiter Accordion | 5\%. | 10 | 22.50 |
| 32 R 49398w | MH-12RC | 12 | $71 / 4$ | 2 | 85 | Organ, Bass gultar | 51/6 | 12 | 39.00 |
| 32 R 49505 | MH-12R3RA | 12' | 15 | 3 | 120 | Bass Guitar | 63/4 | 181/2 | 64.50 |
| 32 R 49406W | MH-15PXC | 15* | 61/2 | 11/2 | 75 | Organ, Gultar, Bass Guitar Accordion | 61/2 | 111/4 | 27.00 |
| 32 R 49414W | MH-15RC | 15" | 71/4 | 2 | 90 | Organ, Bass Guitar | 6\% | 133/4 | 43.50 |
| 32 R 49513 | MH-15R3RA | 15******** | 15 | 3 | 125 | Bass Guitar | $83 / 6$ | 21 | 68.50 |
| 32 R 49422 | MH-69JC $\dagger$ | $6 \times 9^{\prime \prime}$ | 13/4 | 1 | 30 | Gultar | 3 | 3 | 9.75 |



## ALTEC LANSING PROFESSIONAL INSTRUMENT SPEAKERS

## - Upgrade Your Present Equipment

- Designed For String Bass Instruments. Electric Guitars, Electric Organs
- Reproduces Crisp Brilliant Highs. And Full Clean Lows
- Massive Magnet Structures Up To $17 / 2 \mathrm{Lbs}$.
- Rugged Heavy Cast Aluminum Frames
- $3^{*}$ Aluminum Edge-Wound Voice Coils

MODEL $\$ 1780-12^{\prime \prime}$ Professional Quality instrument Speaker. Power: Will worh with amplifiers rated up to 75 watts. Impedance: 8 ohms, Voice Coll: 3", Magnet Structure: $101 / 2 \mathrm{lbs}$., Diameter: $123 / \mathrm{m}^{\prime \prime}$, Depth: $55 \%$ ". Shpg. wt.; 16 lbs.
32 R 38508 w No Money Down*
Net 85.00
MODEL 4188-15" Protessional Quality Instrument Speaker. Power: Will work with amplitilers rated up to 100 watts. Impedancea 8 -ohms Voice Coil: $3^{\prime \prime}$, Magnet Structure: $101 / 2$ ibs. Diameter: $15 \%_{0}{ }^{\prime \prime}$. Depth: $\mathbf{7}^{\prime \prime}$. Shog. wi. $14^{1 / 4}$ lis.
32 R 38516 W No Money Down*
Net 95.00
MODEL 421/-15" Professional Quality Instrument Speaker. Specifically designed for the BASS INSTRUMENTS . . Bass Guitars and Organs. Power: Will work with amplifiers rated up to 100 watts. Impedance: 8 -hms, Voice Coil: $3^{\prime \prime}$. Magnet Structure: $171 / 2$ lbs., Diameter: $15 \%{ }^{\circ}{ }^{\circ}$. Depth: $64 \mathrm{~s}^{\prime \prime}$. Shpg. wt., 25 los.
32 R 38524 No Money Down
Net 109.00


INSTRUMENT AMPLIFIER HORN


Add exciting overtones to your amplified instrument music. Molded of strong, light weight tibre which is free of resonance. Only $31 / 2 x$ 8 天 $81 / 2^{2}$ deep. When used with the crossover supplied, handles the high trequencies of a 50 watt amplifier. With larger amps, use 2 horns per woofer. Response, $2,000 / 20,000 \mathrm{~Hz}$. Use with 8 or 16 ohm speakers, 2.8 oz. ceramic magnet. Shpg. wi., $11 / 2 \mathrm{lbs}$.
32 R 49521
Net 14.95
-Sce Page 22 for Full Credit Details on Lusy Pay Plan


## BANSHEE VOICE SPEAKERS



- Designed To Boost Vocals Above
Instrument Levels
model Ch-40. Voice spealh er. Attractive charcoal gray, mulded fiberglas. Minimizes feedback, buom. and annoying harmonics to
create performances that can be heard. 40 watts peak music power Can be mounted on any mite stand (page 189) or with model SS-4 stand below. Quick connect-disconnect receptacle takes standard phone plug. Response: $150-14,000 \mathrm{~Hz}$. Impedance 8 ohms. GHxl4Wr $12 \neq{ }^{2} \mathrm{D}$. Shpg. wt., 9 bs.
44 R 10361 W No Money Down
Net 42.15


## BIG BANSHEE MODEL CJ-125

Similar to above except 125 watts peak music power. Uses SS-4 Stand below. Response: $100-12,000 \mathrm{HE}$. L3H 天 $23 \mathrm{~W} \times 19^{\prime \prime} \mathrm{D}$. Shpg. wt. 201/2 lbs.
44 R 10379W No Money Down *
Net 83.10
Model $\$ 3-4$ weighted base speaker stand. Black wrinkle finish base, chrome steel lubing extends to over 6 ft . Shipg. wh., $173 / \mathrm{hbs}$.
44 R 10387W




Excellent 40-watt mobile P.A. amplifier for civil, milltary and gen. eral commercial use. 55.watt peak power solid state circuitry employs 5-transistors and 1-diode for economical and instant "On" operation. Three separate easy to see fiber-optic Muminated controis have individual on/Off and gain functions to permit separate or simultaneous playing of external equipment and paging system. Three inputs are provided: 1-low impedance microphone input ( $50-500$ ohms); 1 high level crystal or ceramic phono input; 1 -auxiliary input for tuner, tape recorder, etc. Has $12-14 \mathrm{VDC}$ power and audio output socket for siren, fog horn, etc. Response: $150-15,000 \mathrm{~Hz}$. Output Impedance: $4,8,16$ ohms, Operates from any $12-15 \mathrm{VDC}$ source. Includes mobile mtg . bracket and DC cable. size $91 / \mathrm{m} \times 2 \mathrm{~K}_{4} \times 9^{\prime \prime} \mathrm{D}$. Shpg. wt., 7 lbs
44 R 01402 W PA-640
Dynamic Push-to-Talk Public Address Microphone.
Dynamic Pus
99 R 45775

Net 69.95
Net 4,95

## $69^{95}$ No Money Down* 40-WATT MOBILE P.A. SYSTEMS



Complete 40 -watt mobile PA system featuring the Lafayette PA- 640 40-watt solid state moblle public address amplifier with DC battery cable, 2 each Atlas M0-1 mobile weatherproof speakers with special fail-safe mobile bracket, Lafayette $99-45775$ push-to-talk dynamic microphone with plug, and two 35 ft . speaker cables. 44 R 91015 WXM Shpg. Wt., 21 lbs.

Net 131.95 You Save 5.36 from Individual Catalog Prices
Same system as above except with one Allas MO-2 mobile communications speaker, instead of two MO-1 speakers, for mounting under the hood and/or concealed limited spaces. MO-2 speaker size: $65 \mathrm{~W} \times 8 \mathrm{Hx} 4 \mathrm{~K}_{0}{ }^{\circ} \mathrm{D}$. System shpg. wt., 14 lbs . 44 R 91023 WXM

Net 101.95

## "TINY MITE" SOLID-STATE 16 WATT MOBILE PA AMPLIFER



Economy System Price $-5^{15}$ SAVE 3.40
From Individual Catalog Prices

- Real Tiny-Only $13 / 8 \mathrm{H} \times 3 \$_{6} D x 7 / 8=W$
- All Solid State - No Warmup!
- For 12 Volts DC, Negative or Positive Ground Ideal for moblle PA applications. the "Tiny Mite" fits into practically all cars and trucks, and features two inputs (100K and 600 ohms) for use with dynamic, crystal, or magnetic microphones, phono pickup. lape 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 mobile mounting bracket. Imported. Shpg. wi, $21 / 4$ IDs.
99 R 45890 No Money Down*
Net 32.95


## LAFAYETTE Solid State 16 Watt Mobile PA System

- Lafayette Solid State 16 Watt Mobile PA Amplifier
- 2 Lafayette Horn PA Speakers
- Lafayette Push-to-Talk Dynamic PA Microphone

Above Lafayette mobile PA system consists of Latayette's 16 watt solid state miniature mobile PA amplifier, 2 weather-proof 8 watt P.A. trumpet speakers with $90^{\circ}$ dispersion and tow impedance matching dynamic push to-talk microphone. Shpg. wt. $5 \frac{3 / 4}{} \mathrm{lbs}$. 44 R $90694 W \times M$ No Money Down*

Net 51.95 Same system as above except with Atlas MO-1 25 watt weatherproof speaker with fail sate moblle bracket Instead of two horn speakers. 44 R 91031 wXM Shpg. wi., $93 / 4$ lbs.

## LAFAYETIE 25-Watt Solid State P.A. Amplifier



## Model PA-25 OMLY $59^{95}$

## Spectfications

Power Output: 25 Watts (RMS) at less than $5 \%$ distortion ( 50 Watts Peak).
Frequency Response: 100 to $10,000 \mathrm{~Hz} \pm$ 2 db .
Sensitivity: High Impedance Mike $=4 \mathrm{mV}$. Low Impedance Mike $=0.3 \mathrm{mV}$, Aux-1/Phono $=400 \mathrm{mV}$ Aux- $2=200 \mathrm{mV}$.
Inputs: Mike High $=100 \mathrm{~K}$ ohms, Mike Low $=$ 200 ohms: Aux-1 $=400 \mathrm{~K}$ ohms, Aux- $2=$ 100 K ohms.
Hum and Noise: Mike Input $=45 \mathrm{db}$; Aux in$\mathrm{put}=60 \mathrm{db}$.
Dutputs: 4, 8, 16 ohm speaker; $25 \mathrm{~V}, 70 \mathrm{~V}$, Tape/Booster $=5 \mathrm{~V}$ at rated output; Tape Recorder $=0.5 \mathrm{~V}$ at rated output.
Semi-conducters: 9 Siticon Transistors, 2 Sil.
icon Dlodes, 1 Zener Diode, 1 Thermistor.

- 25-Watts Continuous Power (RMS), - Tape Recorder and Booster Amplifier 50 Watts Peak
- Microphone Precedence Switch
- Anti-Feedback Network
- Switchable High and Low Level Mike Input Outputs
- Master Volume Control
- Outputs for 4,8 and 16 ohm Speakers and, 25 Volt and 70 Volt Constant Voltage Speaker Installations Lafayelte's PA-25, 25-Watt solid state PA amplifier will more than satisfy your requirements for dependable performance for medlum size meeting rooms. classrooms, entertainment centers, etc. The PA-25 incorporates all the desirable PA features plus several other sophisticated characteristics found in much more expensive equipment, le.: Controls: Sep. arate Bass and Treble, Master Volume, Microphone Volume, Auxiliary-1, Auxiliary-2, Antifeedback for minimizing feedback and for protection of speaders.and Microphone Precedence for direct or remote muting of auxillary inputs when onty microphone input is desired. In the rear, the PA- 25 features a lape record output jack plus a separate output jack for tape reconder or booster amplifier, 2 speaker outpul sockets and impedance matehing terminals for $4,8,16$-ohms and 25 -Volt and 70 -Volt constant outputs, an $A C$ convenience outlet, and $A C$ and DC fuses. Ccmplete with microphone connector and 2 plug-in speaker connectors. For $105-125$ Volts. 60 Hz . Size $15 \mathrm{l} / 6 \mathrm{~W} \times 51 / 4 \mathrm{Hx} 1012 / 2{ }^{2} \mathrm{D}$. Shpg. wt. 27 jbs, Imported. 99 R 46286W No Money Down*

Net 59.95

## 25-WATT INDOOR P.A. SYSTEMS

## with HEAVY DUTY 12" SPEAKER

Includes PA-625 25-watt P.A. amplifier; Rugged, specially designed hi-power 12" P.A. speaker; Polished walnut wooden wall baffle; Lafayette 99 R 458745 lim crystal microphone with on off locking switch, desk stand, lavalier cord, cable and remopable type floor stand and desk stand adapter; 35 ft . speaker cable. Shpr. wt., 37 lbs. 44 R 91965 WXM No Money Down* ................... 76.95

## with COLUMN SPEAKERS

Same P.A. system as 44.91965 WXM except with $301 / 4 \times 7 \times 31 / \mathrm{a}^{\prime \prime}$ col. umn speaker instead of $12^{\prime}$ speaker and wall baffle. Attains extra efficient sound reproduction with 6 Internal speatiers. Shpr. wi.. 43 lbs
44 R 91973 WxM No Money Downt
Net 90.95 Above system with extra column speaker and cable. Shpg. wt., 57 lbs. 44 R 91981 wXM No Money Down* Net 119.95

## 25-WATT PORTABLE P.A. SYSTEMS

A complete 25 watt P.A. portable system that in addition to Laf ayette's fine 25 -watt P.A. amplifier, Includes a heavy duty 12 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 2-12" speakers; Lafayette 99 R 45874 high impedance stim crystal microphone with on-off lock ing switch, with cable, desk stand, removable swivet trpe, floor stand adapter, and lavalier cord; and 35 ft . speaker cable. For 105-125 volts $60^{\circ} \mathrm{Hz}$ AC. Shpg. wt., $523 / 4 \mathrm{lbs}$. 44 R 91999 XXM No Money Down*

Net 91.95
Same as 44 R 91999 WM except with 2-12" heavy duty
15 watt PA speakers plus $35^{\circ}$ speaker cable. Shpg. Wt., $573 / 4 \mathrm{lbs}$. 44 R 92005WXM No Money Down*

Net 99.95


# LAFAYETTE 50-Watt Solid-State P.A. Amplifier 



## ${ }^{\text {onx }} 84^{95}$ No Money Down ${ }^{*}$

- 50 -Watts Continuous Power (RMS)
- Switchable High and Low Level Mike Inputs
- Microphone Precedence Switch
- Anti-Feedback Network
- Tape Recorder and Booster Amplifier Outputs
- Master Gain Control
- 25 Volt and 70 Volt Constant Voltage Outputs


## SPECIFICATIONS

Power output: 50 Watts at less than $5 \%$ Distortion (Peak Power 100 Watts). Frequency Response: 100 to $10,000 \mathrm{~Hz} \pm 2 \mathrm{~d} 0$. Sensitivity: High Impedance Microphone- 4 mv ; Low impedance Microphane- 0.3 mV ; Auk $1 /$ phono $=400 \mathrm{mV}$. Aur $2=200 \mathrm{mV}$. Inputs: Mic-1 High $=100 \mathrm{~K}$ ohms, Low $=200$ ohms, Mic-2 High $=100 \mathrm{~K}$ ohms; $A u x-1=400 \mathrm{~K}$ ohms Aux-2 $=100 \mathrm{~K}$ ohms. Mum and waise: Mic. Input $=40 \mathrm{db}$; Aux Input $=55 \mathrm{db}$. Outputs: 4, 8. 16 otim speaker; 25V; 10 V ; Tape/Booster $=5 V$ at rated output; Tape Record $=0.5 \mathrm{~V}$ at rated output. Semi-Ceneuctors: 10 silicon Transistors, 4 Silicon Diodes, 1 Zener Diode. 1 Thermistor.

Lafayette's 50 -watt solid state P.A. amplifier combines power with versathity for superb performance in indoor and outdoor applications. Features separate bass and troble controls, master gain control, 2 separate microphone volume controls, mixer control for both audilary inputs, and switchable anti-feedback network for minimizing feedback and for protection of speakers. The PA-50 also incorporates a microphone precedence switch and terminais for direct or remote muting of auxillary inputs when only microphone input is desired; one tape record output jack plus a common lape record and booster amplifier output jack; 2 speaker output sockets for 4,8 and 16 -ohm speakers, and 25 volt and 70 volt constant voltage speaker outputs for multiple speaker constant level sound system. The PA. 50 also includes power-on light, AC convenience outlet, and push-to-resef clrcult breaker. Complete with microphone connector and 2 plug-in speaker connectors. For 105-125 volts, $60 \mathrm{~Hz}, 90 \mathrm{VA}$. Size $15 \mathrm{~V} / \mathrm{WW} \times 5 \mathrm{y} / \mathrm{H} \times 101 \mathrm{z}^{2} \mathrm{D}$. Shog. wt., 24 lbs .
99 R 45684 W
Net 84.95
4 Speed Turntable for Above Amplifier.
44 R 01584 Shpg. when $67 / 4$ lbs.
Net 10.95

## 5O-WATT INDOOR PA SYSTEMS

Excellent for Large Halls, Department Store Paging Systems, Auditoriums, Supermarkets, etc. WITH 12" HEAY DUTY SPEAKERS

$12^{\text {n }}$ Heavy Outy Speakers


Shure Unisphere A Dynamic

## 

As Low As $130^{95}$ No Money Down*
Consists of:

- Lafayette PA-50 50-WATT PA Amplifier
- 2-12" 30-Watt ( 60 watts peah) Heavy Duty Speakers. Each with Tough Industrial Type $1^{1 / 2^{*}}$ Voice Coil and $1^{1 / 2} \mathrm{lb}$. Ceramic Magnet for Excellent Efficiency.
-2. Sturdy Attractive Walnut Wall Baffles for Speakers
- Choice of Deluxe Dynamic Mikes
-2-35 Lengths of Speaker Cable
Above sysfem with cafayette 99. 46039 dual impedance oynamic microphone and 99-45999 desk stand. Can also be hand held or used with standard floor stand. $110-130$ VAC $50 / 50 \mathrm{~Hz}$. Shpg. wt., 49 los 44 R 9201 3WXM ......Net 130.95 Same as above with Shure Unisphere A dynamic "pop-proof" cardioid mike instead of Lafayette microphone. Shpa. wt., $471 / 4$ tos. 44 R 92021 wxM .......Net 160.95

WITH 8" SPEAKER-BAFFLE COMBINATIORS

${ }^{8 \prime \prime}$ Speaker Baffle Combinations


Shure Unisphere A Dynamic Mike

## 50 WATT OUTDOOR PA SYSTEMS

For Airports, Loading Platforms, Railroad Stations, Country Clubs, Camps, etc. For up to 100,000 Square Ft. of Outdoor Area


No Money Down*
Consists of:

- Lafayette PA 50 Versatile 50 Watt PA Amplifier
- Choice of Deluxe Dynamic Microphonest
- Two E-V PA-30A 30 Watt Weatherproof Speakers
Above system with Lalayette 99.46039 deluxe dual impedance dynamic microphone with 99.45999 desk stand. Microphone can be hand held or used with standard floor stand. Includes 20 ft . Of detachable mike cable and connector. Shpr. wt., 48 lbs. 44 R 92039WXM

Net 141.95 Same system as above except with Shure Unisphere Afdynamic cardioid mike instead of Lafayette microphone. Shpg. wt., 45 $/ 4 \mathrm{lbs}$. 44 R 92047WXM

Net 171.95

## 50 WAIT PORTABLE PA SYSTEMS

## with Dual Speakers

For the Majority of Sound System Applications ... School Auditoriums, Churches, Theatres, Dance Halls, Studios, Lecture Halls, etc.


Consists of:

- Lafayette PA-50 50 Watt P.A. Amplifier
- Two 30 Watt Heavy Duty 12" P.A. Speakers
- Lafayette 99-46039 Dual Impedance Dynamic Microphone \& Desk Stand
- Attractive, Sturdy Carrying Case for Amplifiers, Speakers \& Accessories. Serves As Efficient Baffle
- Two 35' Speaker Cables

Complete System as above. Shpg. wt., $647 / 4$ lbs.
44 R 91940wX 8 B
Net 140.95
Same as above system excepl with Shure Uni sphere A Cardioid Dynamic Micrephone In. stead of Lafayette microphone. Shpg. wt. 62\% ibs.
44 R 91957 WXB
Met 170.95

## 50 WATT INDOOR PA. SYSTEMS

## with LAFAYETTE 6-Speaker Column Speakers

Excellent for: Auditoriums, Churches, Theatres, Studios, and Special Events.


As 15195 No Money Down*
Consists of:

- Lafayette PA-50 50 Watt PA Amplifier
- Two 30 Watt 6 -Speaker Column Speakers
- Choice of Deluxe Dynamic Microphones ${ }^{\dagger}$
- 2-35 Ft. Cables

Above system with Lafayette 99.46039 dual impedance dyamic microphone and 99 45999 desk stand. Can also be hand held or used with standard floor stand. Column speaker is $30 / 4$ "x7" $x 3 /{ }^{2}$ " utilizing 6 speakers for efficient reproduction of program material. 5hpg. wt. 61 lbs.
44 R 32054WXM
Net 151.95
Same as abone system except with Shure Unisphere AtCardioid Dynamic Microphone instead of Lafayette microphone. Shpg. wt., 591/4 los.
44 R 92062 WXM
Net 181.95
Same system as $44-92054 \mathrm{WXM}$ except with 2 Deluxe 60 watt, 6 -speaker sound column speakers instead of 30 watt speakers. Shpg. wt., $78 \frac{1}{2}$ lbs.
44 R 92070WXM
Net 189.95
Same as 44-92070wxM except with Shure Unisphere At Cardioid Dynamic Microphone instead of Lafayette microphone. Shpg. wt., 76*4 10s.
44 R 92088 WXM
Net 219.95

## LAFAYETTE 100-Watt Solid State P.A. Amplifier Model PA-100



## $-124^{95}$

- 100 Watts (RMS) at Less Than $5 \%$ Distortion (200.Watts Peak Power)
- Switchable High \& Low Level Mike Inputs
- Microphone Precedence Switch
- Anti-Feedback Network
- Tape Recorder and Booster Amplifier Outputs - Master Gain Control
- 25 Volt and 70 Volt Constant Voltage Outputs


## specifications

Power Output: 100 Watts at less than $5 \%$ Distortion (Peak Power 200 Watts)
Frequency Response: 100 to $10.000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Sensfitifity: Migh Impedance Microphone = 4 mV . Low Impedance Microphone -0.3 mV . Aux $1 /$ Phone $=400 \mathrm{mV}$, Aur $2=$ 200 mv .
Inputs: Mic-1 High $=100 \mathrm{~K}$ ohms; Mic. $*-2$ Low $=200$ ohms; Aux-1 $=400 \mathrm{~K}$ ohms; Aux-2 $=100 \mathrm{~K}$ ohms.
Hum and Noise: Mic. Input-40db; Aur Input $=55 \mathrm{db}$
Outpuls: 8, 16 ohm Speaker. 25 V ; 70V; Tape/Booster $=5 \mathrm{~V}$; Tape Record $=0.5 \mathrm{~V}$.
Semi-Conductors: 10 silicon Transistors, a Silicon Diodes, 1 zener Dlode, 1 Thermistor.
Power Requirements: 105 to $125 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$; 190 Va.

Lafayettes' 100 -watt solid-state P.A. amplifier features outstanding solld state circuitry design for truty dependable public address lone life performance. Its high power and special features make it ideal for use In large meeting areas, factories, department stores, airports, churches, temples, outdoor areas, etc. where maximum coverage is essential. Some of its salient features are separate bass and treble controls, efficient master gain control, separate microphone volume controls for microphone 1 and microphone 2 , mixer control for both auxiliary inputs (phono, tuner, etc.), 2 switchable high and low level microphone inputs, a switchable anti-teedbset network to minimize feedtack and to profect speakers against burnout. in addition the PA-100 incorporates microphone precedence switch that permits muting of auxiliary inputs when only microphone input is desired, as well as separate mike precedence terminats to permit remote switchable microphone precedence with sultable microphone; one tape record output jack plus a common tape record and booster amplifier output pack; 2 speaker oufput sockets for 4 , 8 and 16 ohm speaters and 25 volt and 70 volt constant voltage speaker outputs for a constant level sound system. The PA-100 also includes power-an indicstor light, AC conventence output and push-to-reset circuit bresker. It is professionaliy designed for attractive appearance as weli as for exceptional ufility. Complete with microphone connector and 2 plug-in speaker connectors, For $105 \cdot 125$ volts, $60 \mathrm{~Hz}, 190 \mathrm{VA}$. Size $151 / 4 \mathrm{~W} \times 5 \mathrm{~V} / 4 \mathrm{H} \times 102 / 2^{*} \mathrm{D}$. Shpg. wt., 28 los 99 R 46138 No Money Down* ${ }^{2}$. Nel 124.95 Dest Type Oynamic Dual Impedance Press-lo-Tath P.A. Microphene. Excellent For Standard and Mike Precedence Actlvation of PA-100. Shpg. Wt., $24 / 2$ bs
99 R 46096
Net 12.95

## LAFAYETTE P.A. AMPLIFIER GUARANTEE

 ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to us prepaid for reolacement or ship amplifier prepaid for repair
## 100-Watt Indoor Public Address Systems

Excellent for: Department Stores, Auditoriums, Airports, Large Meeting Halls, Churches, Temples, etc.


Wall-Mount Speaker Baflle Combinations with 25V/70.7Y Transformers


- Lafayette PA-100 100. Watt Solid State PA Ampilifier
- 6 Lafayette Pre-wired Speaker Baffle Combination with $8^{\prime \prime}$ Speakers, Volume Controls, and Universal 25 Volt $/ 70.7$ Volt Constant Voltage Matching Transformers
- Cholce of Deluxe Dynamic Microphones
- Sir 35 ft. Speaker Cables

Complete 100-watt indoor PA system as above with Lafayette 99. 45981 deluxe dual impedance dynamic "pop-proof" microphone with on-off switch, desk stand and 6 ft . detachable cable. The microphone can also be hand held or mounts on any standard floor stand. Shipg. wt., 76 lbs. No Money Down"
44 R 91825 WXM
Net 239.95
Same as above system encept with famous Electro-Voice 664 dynamic cardioid microphone with $\mathbf{i 5} \mathrm{ft}$. of cable instead of $99-45981$ micro. phone. Shpg. wt.. 76 ibs.
44 R 91833 WXM No Money Down*


- Lafayette PA-100 100 Watt Solld State - Pa Amplifier
- Two 30.Watt 6-Speaker Sound Column Speakers for Opelmum Voice and Music Reproduction
- Choice of Deluze Oynamic Microphones - Two 35 ft . Speaker Cables

Above 100 -watt PA system with Lafayette $99-45981$ deluke dual impedance dynamic "pop proof" microphone with on-off switch and desk stand. Column speakers are $30 \mathrm{~V} \mathrm{a}^{*}$ H $\times 7 \times \mathrm{w} \times 340^{-D}$. Shpg. wt., 59 los. No Maney Down ${ }^{*}$
44 R 9184iwXM
Net 191.95
Column
Same system as above except with 2 Lafayefte delure 60 watt 6 speaker $413 / 2^{" W} \mathrm{H} 71 / 4{ }^{*}$ WK5"D sound column speakers instead of 30 watt column speakers. Shpg. wt., $761 / 2$ its. No Money Down*.
AR 21850 WXM
Net 229.95
Some system as 44.91858 WxM except with Electro.Volce 664 dynamic cardioid microphone with 15 ft . of cable instead of 99-45981 microphone. Shpg. wt., 761/2 Jbs, No Money Down*
44 R 91874 WXM
Net 269.95

## 100-Watt Hi-Power Outdoor P.A. Systems

## Consists of: <br> Ideat For Large Area Coverage

- Lafayette PA-100 100-Watt Solid State PA Amplifier
- 2 Electro-Voice PA30A 30-Watt Outdoor Speakers
- Choice of Deluxe Dynamic Microphones

This outstanding outdoor PA system with Lafayette 99-45981 deluxe dual-impedance dynamic "pop-proof" microphone with on-off switch desk stand and $6 . \mathrm{ft}$. detachable cable. Microphone can also be hand held or mounts on any standard floor stand. Shpg. wt., 46 bss.
44 R 91882 WXM No Money Down* $\ldots . . . . . . . . . . . . . .$. Net 181.95
Same system as above plus 2 additional E-V PA30A projector speakers. Shpg, wt. 61 lbs.
44 R 91890 WXM No Money Down*
Ner 229.95
Same system as 44.91882 WXM except with famous. Electro. Voice 664 dynamic cardioid microphone instead of 99-45981 microphone. Shpg. wt., 46 lbs .
44 R 91908 wxM No Money Down* .........................Net 221.95
Same system as 44.91890 WXM except with Electro-Voice 664 dynamic cardioid microphone instead of 99.45981 microphone.
44 R 91916 wXM Shog. wt.. 61 Ibs.
Net 269.95


As Low As

## $181^{19}$

E-V 664

## 100-Watt Portable P.A. Systems with Dual Speakers

## FOR THE MAJORITY OF SOUND SYSTEM APPLICATIONS...

School Auditoriums, Churches, Theaters, Studios, Lecture Halls, etc.

## Consists of:

- Lafayette PA-100 100-Watt PA Amplifier
- Two 30-Watt Heavy Duty $12^{\prime \prime}$ P.A. Speakeis
- Choice of Deluxe Dynamic Microphones
- Attractive, Sturdy Carrying Case and Baffle for Amplifiers, Speakers, and Accessories.
- Two 35' Speaker Cables

Complete 100 Watt portable PA system as above with lafayette $99-45981$ deluxe dual-impedance dynamic "pop-proof" microphone with on-off switch, desk stand and 6 ft . detachable cable. The microphone can also be hand-held or mounts on any standard floor stand. Shpg. wt., $623 / 4 \mathrm{lbs}$.
44 R 91809WXM No Money Down*
Net 179.95
Same as above system except with famous Electro-Voice 664 dynamic cardioid microphone with 15 ft . of cable instead of 99-45981 microphone. Shpg. wt. $62^{3 / 4}$ lbs

Net 219.95


## Lafayette Portable P.A. Case

\author{

- 2 Baffles In One Case <br> - Room For Two 12" Speakers
}

A sturdily constructed case for amplifier 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 $\mathbf{Z}$ hooks in each half for carrying speaker cables and provisions for mike and mike base. a snap locks. In addition to room for two 12 " speakers, there is ample space for any amplifier and phono top measuring up to $167 / 4 \mathrm{~W} \times 113 / 4 \mathrm{D} \times 10^{\prime \prime \mathrm{H}}$. $173 / 4 \times 123 / 4 \times 22^{\prime \prime} 0.0$. Shpg. wt., 191/4 ibs. 44 R 01618wX.

# PA Sound Columns, Speakers, and Megaphones 

## LAFAYETTE 6 SPEAKER DIRECTIONAL SOUND COLUMNS

# Ideal For <br> Auditoriums, <br> Schools. <br> Churches <br> Meeting Rooms <br> <br> 

 <br> <br> As <br> <br> As <br> <br> Low <br> <br> Low <br> <br> As} <br> <br> As
}

- Reduces

Reverberation and Feedback Problems

- Concentrates or "Focuses" Sound Where Needed
specially designed, matched and balanced speakers stacked In a vertical array. By widely directing sound in a horizontsl plane cover a large audience, and by narrowing the vertical plane they reduce normal acoustic feedback and reverberation from floor and celling reflections, resulting in crystal-clear volce and music reproduction.
(A) Lafayette 30 watt Sound Column - Six $41 / 2^{\prime \prime}$ speakers handle up to 30 watts power. Frequency response $200-10,000 \mathrm{~Hz}$, Dispersion $120^{\circ}$ horizontal, $30^{\circ}$ vertical. Impedance 16 ohms, Attractlve vinyl covered wood cabinet, Dimensions 31 "Hx74/4Wx34/4"D, Imported. 99 R 46146 W Shpg. wt., $131 / 2$ lbs.

Net 29.95
[] Deluxe Lafayette 60 Watt Sound Column-Sik powerful $6^{\prime \prime}$ speak. ers handle up to 60 watts power. Size: $411 / 2^{\prime \prime} \mathrm{Hx} 71 / 4^{\prime \prime} \mathrm{Wr} 5^{\prime \prime} \mathrm{D}$. Frequency response $70 \cdot 10,000 \mathrm{~Hz}$, Dispersion $120^{\circ}$ horizontal, $30^{\circ}$ vertical. Handsome vinyl covered wood cabinet. Impedance 8 ohms. Shpg. wt., $213 / 4$ Ibs.
99 R 46252wx No Money Down*
Net 49.95

## WEATHERPROOF OUTDOOR PUBLIC

 ADDRESS AND HI-FIDELITY SPEAKERS

E-Y SOWOCASTER




HFI SPEAKER
UWIVETSITY MLC

(A) ELECTMOVOICE SOMOCASTER I LIEhtweight, rugged and weatherproof for extension or portable use anywhere. Special radax coaxial $\mathrm{g}^{\prime \prime}$ speaker provides amazingly wide range response, $70.13,000 \mathrm{~Hz}$. Ideal for use with existing stereo system, Improves performance of any portable radio, record player, recorder, etc. Black molded housIng similar to tine air travel luggage; can't chip, fade or peel. Accessory hangup bracliet included. Molded in handle, 8 ohms. 30 watts peak. $163 / 4 \mathrm{Hx} 17 \mathrm{~W} \times 5 \%$ "D. Wt. $61 / 2 \mathrm{lbs}$.

## 21 R 30300W

Net 24.50
(B) DELUXE HIGH FIDELITT OUTDOOR WEATHERPROOF SPEAKER Designed to be used with outdoor home high fidelity and stereo music systems on patios, lawns, terraces, and around swimming pool areas. The magnificent projecting speaker consists of a specia! $61 / 2^{\prime \prime}$ full range speaker mounted in a totally sealed. Infinite baffle-type compression chamber with the speaker diaphragm driving on one plece, flberglass reinforced polyester, folded, front loaded horn. The woofer compression chamber is made of spun aluminum. Comes with adustable and serrated " $U$ " bracket which permits $180^{\circ}$ variation in mounting position. Dispersion $120^{\circ}$; Response, $100 \cdot 15,000 \mathrm{~Hz}$. Power
 -light Grey. Shpg, wt., 10 lbs.
44 R 80307 W No Money Down*
Net 34.95
(C) UNIVERSITY MLC Ideal for coverage of moderate size areas or crowds-or for sound reinforcement where smooth, clean, wide range musical reproduction and even distribution are important. Fiberglass reinforced polyester housing with movable mountint brachet. Excellent reproduction from $150-15,000 \mathrm{~Hz}$ with a power rating of 15 watts, System has a 2000 Hz erossover. $120^{\circ}$ dispersion;
 10 tbs.
44 R B0018W No Money Down*
Net 46.76


- Built-in Volume Control

1795


- 70 Volt and 25 Voit Line Matching Transformer with Taps for $10,5,2.5$, 1.25, and .625 Watts

An $8^{\prime \prime}$ multi-tap PA speaker completely prewired in a finished wood batfle. Ideal for any type of indoor soond system. Heavy duty speaker has 4.64 oz . Alnico magnet. Power rating: 10 -watts. Iransformer is mounted directly on speaker frame. Taps are $10,5,21 / 14 / 4$ and 5 watts for connection to 70 volt and 25 volt amplifier output. Terminai board with screw terminals is provided at the rear of baffle for easy connections. Speaker has its own volume control for setting volume levels as desired at speaker location, Size: 11 Wx9\%.Hz64/m"D. Imported. Shpg. wt., $61 / 2$ lbs.
99 R 46310 W
Net 17.95

## POWER MEGAPHONES

FANON MV-3 TRANSISTORIZED MEGAPHONE


Lightweight aluminum. Baked enamel finish for durability. Anti-howi damping element. Pistol grip. Hi/Lo volume switch. $5^{\text {r }}$ reflex air column, $81 / 2^{\prime \prime}$ bell. Power output: 3 watts peak - 1.5 watts rated. Range: 200 yds. Batterles: Four "D" cells (not included) give over 6 hours continuous operation. Convenlent carrying strap. Size: $g^{\prime \prime} x$ 13". Imported. Shpg. wt., $41 / 2$ lbs.
44 R 30260W No Money Down* ............................... Net 31.95 99 R 63661W Long-Life "D" Batteries (4 req"d). .....Ea. 25

## FEOTRO POWERHOUSE TRANSISTORIZED

 MEGAPHONE

- Rustproof - Waterproof Range Up to 1200 Feet
This land and sea megaphone features ali aluminum construction, superb clarity and tonal quality, a durable handy carrying sirap, instant battery loading, a nolse-cancelling microphone, fingertip volume control and power-packed amplification. It is capabie of 5 watts output and operates off 4 optional flashilight " $D$ " cells. The bell is protected and cushioned whith a polyvinylchloride bumper rim. Finlshed in brilliant red and ebony black. Imported, Dim.: 71/4" Dia. $\times 121 / 4$ " .
44 R 2702 7W Shpg. wt., 41/4 Ibs. No Money Down*. Net 44.85 39 \$ 63661 Long-Life "D" Batteries (4 Required) Ea. 25

UNIMETRICS 20-WATT PORTACALL
POWER MEGAPHONE


No Money Down Less batteries

- Range 3600 ft .
- Red Emergency Light
- Blast Siren Signal

Extremely rugged and reliable. For long range volce communication. Water resistant and corrosion proof. Translstorized ampllfter, Brilliant red emergency light. Powerful built-in emergency siren. Pistol grip, trigger operation with volume controf, Built.in mike. Operates on 8 " C " 8 stteries (not included). With carrying strap. Imported. 40 R 69118w Shpg. wte, 6 lbs.
"C" Batteries for above ( 8 required)
99 R 62572
Net ea.

# PA Projectors, Trumpets, Paging Speakers and Drivers 

## LAFAYETIE MINIATURE HORN PAGING SPEAKER

LAFAYETTE PA DRIVER UNITS


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 intelligibillty in high noise areas. Compact size enables to to be mounted anywhere in almost any position. Frequency response $400 \cdot 12,000 \mathrm{~Hz}$. Impedance 8 ohms. Power handiling capacity 5 watts, 8 watts maximum.. Com. plete with mounting bracket, 2 -conductor cable. Horn diameter St/2" Depth $43 / 4$ ". Imported, Shpg. Wt., 11/2 lbs.
99 R 45080
Net 8.95

## E-V PROJECTORS AND PAGING SPEAKERS


(C)
(a) Model 848A. COMPOUND DIFFRACTION PROIECTOR-a wide range horn and driver system using two way driver plus high and low Irequency horns coupled to both sides of diaphragm. Delivers wide angle sound with extremely low distortion. Outer harn is fabricated of fiberglass and polyester resin for strength and resistance to corrosion. Rating: 52 db . Power handling capacity: 30 watts program. Response: $150 \cdot 10,000 \mathrm{~Hz}$. Impedance: 8 ohms, Dispersion: $120^{\circ}$. Universal U Mounting bracket. Dimensions: $101 / 2 \times 20^{1 / 2} \times 20^{\prime \prime}$.
44 R 25641 W Shpg. wt., 17 lbs.
Net 60.75
(8) Model PA.12. 12-WATT PAGING SPEAKER. FIber-polyester construction. Round reentrant design. Wide dispersion. Freq. Response: $325-14,000 \mathrm{~Hz}$. Impedance: 8 -ohms. Power Handling: 12 -watts. Size: $71 / 2 \times 6^{3}{ }^{9}{ }^{\prime \prime}$. Shpg. wt., 4 lbs.
44 R 25765
Net 17.40
(C) Model PA-30A. 30.WATT PAGING PROJECTOR. Rugged, high-impact horn. Rectangular horn design for maximum versatility, wide dispersion. Smooth response for both voice and music: $250-14,000 \mathrm{~Hz}$. 30 watts, 8 ohms. Dlspersion: $120^{\circ} \times 90^{\circ}$ ElA sensitvity rating 59 db. $11 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 8 \frac{1}{2}{ }^{\prime \prime} \mathrm{D}$. Shpg. Wt., $67 / 4 \mathrm{lbs}$.

## 44 R 25153

Net 25,50

## UNIVERSITY PAGING/TALK BACK SPEAKERS



Compact sized, weatherproof, highly efficient speakers for all PA fixed and mobile installations. With patented "Omni-Loh" swivel mount-quickly converts for fitting to $1 / 2^{\prime \prime}$ pipe.
Model MIL-Ms-Response: $350-13,000 \mathrm{~Hz}$. Impedance: 8 ohms. Ideal for low power systems requiring high efficiency. Handles 10 watts. Dispersion: $120^{\circ}$. Size: $71 \%_{4} \times 6 \%{ }^{\prime \prime}$. Shpg. wt., $31 /$ lbs.

## 44 R 80067

Net 21.80
Model JB-A8. Ideat for fill in applications in high power sound sys. tems and as the main speaker in low to moderate power systems. Response: $250-13.000 \mathrm{Mz}$. Handles 30 watts. Impedance: 8 ohms Dispersion: $90^{\circ}$ Size: $10 \times 91 / 4^{\prime \prime}$. ShDr- wt., $43 / 4$ ibs.

## 44 R 80034

Late Supplies Public Aldress Equipment at 26.10


Hermetically sealed weatherproof driver units. Recommended for all type of PA work and industrial requirements. Widerange response of these drlvers assure exceftent reproduction of voice and music. Will fit all trumpets and pro jectors. Impedence 16 ohms.

| Stosh Mo. | Response (HI) | Size | Walts | Shpg. WL | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 R 45072 | $120-7100$ | $4 \times 33 / 4$ | 25 | $27 / 4 \mathrm{lbs}$ | 11.95 |
| 99 R 46260 | $80-12,000$ | $41 / 2 \times 4$ | 40 | $31 / 4 \mathrm{lbs}$ | 16.95 |

## UNIVERSITY WEATHERPROOF REFLEX TRUMPETS



Highly efficient air column directional reproducer to give maximum Intelligibility in areas of high noise level. Design of unlts listed befow provide optimum sound distribution pattern, increases sound intensity along speaker axis dependent upon diameter of horn. Made of heary gauge spun aluminum, weather proof, gray finish. With universal "U" type mounting bracket, less driver unit. Type GH: 85 Hz cut off for music. Types LH and PH: 120 and 150 Hz cut off for general use. Type SMH: 200 Hz cut off for volce only.

| Stock No. | Model | Dlam. | Lng. | Air Col. | Shpg. Wt. | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44 R 80125 WX | 6H | 30\%" | 277\%" | 61/2" | 231/4 lbs. | 65.85 |
| 44 R 80133WX | LH | $25^{\circ} 9$ | $19^{\prime \prime}$ | $41 / 2^{\prime \prime}$ | 193/4 lbs. | 42.30 |
| 44 R $80141 W$ | PH | 20Y" | 1534" | $32^{\prime \prime}$ | 111/4 lbs. | 30.63 |
| 44 R 80158W | SMM | 161/4" | $12^{\prime \prime}$ | 21/2" | 8 lbs . | 26.30 |

## ATLAS MOBILE PA MARINE AND CB SPEAKERS



Mofel M0-1 Weatnerproof speaker with special, rigid, one-piece cast brarket for fall-safe use on venicles or boats. Concealed wiring and special one-piece horn discourage tampering. High efficiency for use with mobll radio transceivers. Ideal for shipboard cabin-top mounting. Power: 25 watts. Impedance: 8 ohms. Response: 300.13,000 Hz . Dispersion: $130^{\circ}$. Size: $71 / 4^{\prime \prime}$ bell diameter, $6 \%_{8}^{\prime \prime} \mathrm{D}$. Shpg. Wi., 6 lbs.
44 貫 10346 No Money Down*
Net 31.14
Mocel M0-2 Compact, weatherproof mobile communications speaker with welded steel bracket for concealed limited space use in vehicles or on boats for bulkhead or cabintop mounting. Power: 25 watts. Impedance: 8 ohms. Response: $300-13,000 \mathrm{~Hz}$. Dispersion: $130^{\circ}$. Size: $65 / 9 \mathrm{~W} \times 8 \mathrm{H} \times 43$ K"D. Shpe. $w t$.. $53 / 4$ tbs.
44 R 10353 No Money Down
Net 30.84

## UNIVERSITY LINE NATCHING TRANSFORMERS

Mode! 5433-30 watt. Primary 45/165/200/250/1000/2000 ohms; secondary 4, 8 and 16 ohms; 70 volt line lads $30 / 25 / 20 / 10 / 5 / 2.5$

44 R 80166 Shog. wt.. $33 / 4 \mathrm{lbs}$.
Net 6.68
Model $5434-15$-watt. Primary $45 / 325 / 500 / 1000 / 2000 / 4000 / 8000$ ohms; secondary $4 / 8 / 16$ ohms; power taps with 70 volt line $15 / 10 / 5 / 2.5 / 1.25 / .65$ watts. $15{ }^{5} \times 1 y_{10} \times 15{ }^{\prime \prime} ; 2^{\prime \prime}$ centers.
44 R 80174 Shog wt., $11 / 2 \mathrm{lbs}$.
Net 5.60

## LAFAYETTE PA Speakers - Lowell Baffles

## LAFAYETTE CEILING BAFFLE with SPEAKER

- Wide Range Hi-Fi Response - Measures Only 21/4* Deep
- $12^{\circ}$ oz. Magnet Structure
The perfect speaker to furnish music or paging throughout your home, office or factory, this unique ceiling and wall baffle speaker offers fine audio reproduction. Highly attractive mint cool greenbeige color that blends harmoniously with any ceiling or enclosure. Only $2 \mathbb{V} \mathbf{a}^{\prime \prime}$ deep with its own metal baffle plate, it easily mounts in any wall, ceiling, closet or ordinary wood enclosure. Two are perfect for stereo. Voice coil is $1^{\prime \prime}$ Dlam. Frequency Response: $90-9,000 \mathrm{~Hz}$. Impedance: 8 ohms. Overall size Including metal baffle is $91 / 2^{\prime \prime}$ Requires $6 \% \%^{* *}$ wall cutout. Imported. Shpg. wt., 3 lbs. 99R 45056
- $8^{\text {" Wide Range }}$ Speaker
- Radiates Sound For a Full $360^{\circ}$
fasten to celling or hang on wall, Will not overpower people directiy in front or under speaker. Mandsome walnut grained baffle. Supplied E-Pad type controt and all neces. sary hardware. Impedance: 8 ohm. Power 8 watts ( 15 watts peak). Size: $11 \times 11 \times 41 /{ }^{\circ}$ 44 R 20030W Shpg. wt., 4 Ibs. Net 15.95


## UTAH OM-10 ONNI-Directional $8^{\prime \prime}$ WALL/CEILING SPEAKER

Net 6.95

## $15^{58}$




## LOWELL PA SPEAKER BAFFLES

FLUSH-MOUNTING PLASTIC BAFFLES


Decorative high impact Styrene plastic baffies: White finish. Lightw welght and durable will not fade, chip or mar-Model ADS80.P has full $360^{\circ}$ dispersion. Self-tapping speaker mounting screws supplied.

| Steck Ne. | Type | Description | Wt. | Het |
| :---: | :---: | :---: | :---: | :---: |
| 44 R 50144 | AOS60P | For $8^{\prime \prime}$ ceiling Splar $10 \times 10^{-}$ | 1002. | 2.96 |
| 144 R 50151 | CR80P | For 8" ceiling/wall Sokr 10x10" | 802. | 1.43 |
| 44 R 50169 | L35P | For $31 / 2^{\prime \prime}$ intercom Spkr $44 / 2 \times 7^{\prime \prime}$ | 5 Oz . | . 94 |

RS and AL ceiling batfies are ideal for instatlation In homes, offices, restaurants, etc. Spun aluminum material has lacquer profected satin finish. Model AL features diffuser cone for full $360^{\circ}$ sound dispersion. REQUIRE PROTECTIVE SPEAKER ENCLOSURES (TYPE CP AND XCP LISTED BELOW)

| Stack Wo. | Trpe | Description | Lhs. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 44 R 50011 | RS 6 - ${ }^{\text {a }}$ | For $6^{\prime \prime}$ speaker $103 / 4 \times 7 \%{ }^{\text {a }}$ | 1/4 | 2.53 |
| 44 R 50029 | RS-8A | For $8^{\prime \prime}$ speaker $12 \pm / 夕^{\prime \prime} \times 1 / 2^{\prime \prime}$ | 1 | 2.50 |
| 44 R 50037 | RS.8A | Same as above but wh. enam. | 1 | 2.50 |
| 44 R 50045 | RS-12A | For 12"speaker 16y/** $1 / 2^{*}$ | $13 / 4$ | 3.85 |
| 44 R 50052 | Al6a | For $6^{*}$ speaker $10 y^{\text {a }}$ - Dia. | 1/4 | 5.06 |
| 44 R 50060 | AL8A | For $8^{\circ}$ speaker $12 \%{ }^{\text {c }}$ " Dia. | 1 | 8.65 |
| 44 R 50078 | All2a | For $12^{\prime \prime}$ speaker $163 / 4 /^{\text {c }}$ Dia. | 2 | 10.95 |

## PROTEGTVE MOUNTNG ENGUSURES

Protect against damage from falling mortar, dust, rodents, etc, 22 ga. steel welded construction. Exteriors are rust-proofed with zinc ctromate; interiors are heavily undercoated to prevent resonance. CP series used for new construction. XCP for exlsting ones, P875x for either. Shpg, wt.: Types CP1012, XCP1012-8 Ibs.; CP84, XCP84, P875X, CW-8- $33 / 4$ lbs.; CP-6, XCP-21/2 lbs.; P22X-1 lb.


Type M8-Square steel type. Designed to match and replace standard $12 \times 12 \times 1 / 2^{-}$ acoustic tile blocks. Permits a completely hidden speatier system - for $8^{-}$speaker mounting hardware is furnished-Boffle is zinc chromate undercoated and finished in flat white lacquer $12 \times 12 \times 1 / 2^{\prime \prime}$. FOR PROPER ENCLOSURE SEE ENCLOSURE LIST. IMC.
44 R 50193
Net 3.73

## Extension, Outdoor, and TV Remote Control Speakers



LAFAYETTE OUTDOOR 8" PATIO SPEAKERS


## As Low as 1195

- Weatherproof-Waterproof
- Freq. Response: $40-15,000 \mathrm{~Hz}$
- 5.5 oz . Ceramic Magnet
- Peak Power 20 Watts

Relax with music outdoors at patio, porch or poolside. Prewired wilth 25' cable for easy connection to radio, phono or hi-fi system. Unaffected by dampness or rain. Durable steel enclosure with baked-on finish. Convenient. step-saving volume control. ohms;
 44 R 33058 W $\qquad$ Net 11.95 DELUXE VERSION of above with heavy-duty speaker featuring 10 or. ceramic magnet and co-axially mounted high-frequency cone for $35 \cdot 19,000 \mathrm{~Hz}$ response. 15 watts normal, 30 watts peak.
44 R 33066 W Shpe. wt., $71 / 4$ lbs.

## LAFAYETTE EXTENSION

SHELF SPEAKER SYSTEM


- Attractive Walnut Finished Wood Cabinet
Ideat as an extension speater for your den, basement. mitchen or bedroom. Use two for stereo of with your TV and Radio. Moused in a beautiful walnut finished wood cabinet. 5 -watt $4 \times 6^{\circ}$ speaker is designed to work from elther 4 of 8 ohm output. Supplled with 25 feet of cable. Size: $912 \times 73 / 4 \mathrm{~d}$ $3 \%=1$. Imported. Shpg. wt. 3 los.
99 R 45502
Net 7.95
LAFAYETTE 4" PAGING SPEAKER SYSTEM

495
- Includes
$25-F t$.
Speaker
Cable With
Plug

For use in mulll-speaker low power paging systems, Intercom systems, auxifiary bench speaker, efc. $4^{-}$PM speaker with heavy mag. net Mounted in 2 tone watnut and black wood baffle. The baffle has sloping-front and enclosed-bach acoustic construction and has a built-in jack for plug-in connection of the '25' cable and plug supplied. Speaker volce coil is 4 ohms. Size: $5 W \times 5 \% \mathrm{H} \times 31 / 0^{\circ}$. Imporied. Shpg. wi., $11 / 2 \mathrm{lbs}$.
99 R 45510 $\qquad$ Net 4.95

Net 13.95

## LAFAYETTE EXTENSION WALL SPEAKER SYSTEM


-6" Speaket - Oiled Walnut Wood Finish Volume Control

Fine sounding and hanosome looking extension speaker system with brackets for 'hanging on any wall. Outstanding tonal quadity from a wide-ange 6" speaker makes It ideal for HI-fi extension speaker use. Features volume control. Excellent for P.A. and paring. $97 / 4 \times 9 \% w \times 4$ "D. Imp: 8 ohms. 1 m . ported.
99 R 45494 Shpg. wt., $31 / 2$ lbs. Net 8.95
MINIATURE 2-WAY
REMOTE CONTROL TV SPEAKER


- Control Both TV Set Speaker and Remote Speaker From Your Armchair
Fine quality buritt-in speaker makes it werfect for use as remote TV speaker anywhere in your home or office. Dual controls for listentas to TV speaker only, remote speaker only, or both spealiers together. Altractive malded cabinel measures $4 \mathrm{Vi} x$ $2 \geqslant / 6 H \approx 12 / 40$. Complete with $20-14$. of 4 . conductor cable. imported. Wt., $3 / 4$ th. 99 R $4548 G$

Net 3.95
N

## - Powerful $6 \frac{1}{2}$ - Wide.Range Speaker <br> - Handles Up To 6-Watts Music Power <br> - Handsome Oiled WaInut Wood Enclosure

Our finest quality extension speaker systen. Powerfut $6 \mathrm{~V}_{2}{ }^{*}$ rich sounding wide-raege speaker is housed in a handsomely styled oiled walnut wood encissure with decorative black grill cloth. You can enjoy fine hi-fi music everywhere in your home as well as enhance the decor of your home. Use 2 for stereo or place these systems in every room of your heuse. Also ideal for use in background music systems in offices and restaurants. Handles uo to 6 -watts. Impedance 8 ohms. Sixe: $7 / 2 W \times 97 / 4 \mathrm{~K} \times 5 / 4^{\circ} \mathrm{D}$. Wh, $51 / 2 \mathrm{lbs}$. imported. 99 R 02032W
10.95

MISCO WEATHERPROOF SPEAKERS
As Low As 72

- $31 / 2^{\prime \prime}$ and $8^{\prime \prime}$ Models
- Gimbal Type Mounting Bracket - For Patio, Paging, or Mobile Applications

Model MS-3-38a. Compact, weatherproof, dustproof. Ideal for use in mobile communicallons, for intercom paging, and as an extension speaker. Can be immersed in water. Power rating 3-watts, Resp: 100 to $10.000 \mathrm{~Hz}: 8$ ohms imp. $42 / 2 \times 41 / 6 \times 2 \%$ with bracket. Wt., $17 / 4 \mathrm{lbs}$. 44 R 52017

Net 7.72
Model MMS-8F. Similar to above but with $8^{\circ *}$ speaker. Power rating 8 watts. Resp: $70-13.000 \mathrm{~Hz} .9 \times 9 \times 4 \mathrm{~V} / 4^{\prime \prime}$. Shce. wt. $7 \mathrm{~V} / 4 \mathrm{lbs}$.
4 R 52025


- Walnut Decorator Baffle with Cane Grille
Versatile extension spesker suitable for desh or shelf use. Attracitive tri-angular shaped, oiled walnut finishec cabinet. Powerlut $4 \times$ $6^{\circ}$ oval speaker provides fine tone. Complete $6^{\text {" }}$ oval speaker provides fine fone. Complete with volume contro and 22 ft . of wire. impedance 8 ohms. sire: $73 / 2 \mathrm{~W}$ \& $5 \mathrm{y} / \mathrm{H}$ I $542^{-0}$ (at the base). imported. Wt., 2 ths. 99 R 01216

Ner 6.95
DELUXE 2.WAY
REMOTE CONTROL TV SPEAKER


- Control Both TV Set Speaker and Remote Speaker From Your Armchair
A large $46^{-}$full-range speaker mounted in a larger cabinet for improved tonal quality. With 2 lader controls so that you may listen to either the TV speaker, this remote speaker, or both blerded to the volume level you desire for each. You can turn of volume on both speakers without turning off the set. Attractive walnur. finished cabinet which measures $93 / 4 \mathrm{~L}: 6 \% / 4 \mathrm{~K} \times 33 / 4 \mathrm{~B}$. Complete with $20^{\circ}$ of cable. Imported. Shpg. wt., 3 lbs. 99 R 45965


## MIXERS—PREAMPS-EQUALIZERS



In monaural position, can be used to contral up to four different signals into a single output. In the Stereo position, it can be used to feed two separate signals into each of the left and right outputs. Each mike control independent of the other, permits fading of one input whlle increasing others. Controls high impedance microphones, recorders, phonographs or tuners. Output jack fits standard RCA type phono plugs. Inputs are standard 2 -conductor phone plugs. Less battery. Size: $6 \mathrm{~W} \times 2 \mathrm{~V} / \mathrm{H} \times 31 / 2{ }^{* \prime D}$. Imported.
99 R 45635 Shpg. Wt., $11 / 2$ lbs.
Net 9.95
99 R 60212 Battery for above
Net 29

## LAFAYETTE SOLID STATE STEREO MIXER/PREAMP


"All-Transistor" stereo-mixer/preamp! For use with any power amplifier not incorporating low-level inputs for magnetic cartridges. tape heads and low-impedance microphones. Ralses the output of any low level source wlithout affecting the signal-to-nolse ratio. Features: 2-mike, 2 -phono, 2 -tape Inputs, volume controls for left/ right channel; equallzation switch; power off/on switch; mode switch; bullt-in gV DC power supply, or operates off $117 \mathrm{~V} 50 / 60$ Hz AC . Input impedance: 50 K ohms. Output impedance 5 K ohms at max. vol. Size: $2 \frac{1}{2} \mathrm{Hx} 7 \mathrm{~W} \times 51 / 2^{\prime \prime} \mathrm{D}$. With battery. Imported.
99 R 01786 Shpg. wt., $21 / 2$ lbs.
Net 16.95
99 R 60212 Replacement Battery
Net . 29

## BOGEN MODEL MXGA.T MIXER - PREAMPLIFIER

 $52^{45}$
4 Mic and 2 Phono Inputs

FEATURES: Any 4 channels may be used simultaneously, each individually controlled for mixing and fading. Connects to high impedance radio/phono input of any amplifier, tape recorder of microphone. SPECIFICATIONS - OUTPUT VOLTAGE: 2 Volts and .04 volts at $0.5 \%$ distortion; FREQUENCY RESPONSE: $50-20,000 \mathrm{~Hz} \pm$ 2 db ; GAIN: Mic -60 db , phono - 20 db ; HUM: -68 db below 5 volt; OUTPUT IMPEDANCE: 2200 ohms; CONTROLS: 2 Mic volume, 2 Mic or phono volume, on-off; SEMICONDUCTORS: 6 transistors, 2 diodes (all silicon); POWER CONSUMPTION 1.2W at 117 VAC, $50-60$ $H_{2:}$ DIMENSIONS: $91 / 4 \times 6 \times 2 \% 0^{*}$. Shpg. wt. $53 / 4 \mathrm{fbs}$. 44 R 12201 No Money Down*

Net 52.45
SHURE LEVEL-LOC CONTROLLER


MODEL M62V "Level Loc" Audio Level Controller, now with a variable input level control. Automatically locks the volume level of a sound system, virtually eliminating annoying volume changes, blasting, fadeout, etc. Level Is predetermined by setting a single switch. Frequency Response: $20 \cdot 20,000 \mathrm{~Hz}+2 \mathrm{db}$. Input Impedances: 100 K and 500 ohms: output approximately 500 and 10 ohms. Cannon-tvoe connectors. Gain: low imped. Input to low output is 0 ; to high output is +22 ; high imp. Input to low output is +22 ; to high output is 0 . Battery operated. $21 / 2 \times 113 / 8 \times 51 / 4^{\prime \prime}$. Shpg. wt., 4 lbs .
Complete with battery.
44 月 75976 No Money Down*
99 R 60212 Extra 9 volt battery
Net 60.00 188

LAFAYETTE TRANSISTORIZED MIKE MIXER


560

- Up to 4 Channels
- Matches High Impedance
Microphones
- Modem Solid State Design
Mixer contrels high Impedance signals from mikes, phonos, recorders or tuners. Standard 2 -conductor phone inputs, standard RCA type phono pin plug output, 9 volt battery. Imported.
99 R 45353 Monaural Mixer Shpg. Wt., $1 / 2$ lbs.
Net 5.60
99 R 60212 Battery for above
Net 29
SHURE MICROPHONE MIXER


The Shure M68 is a fully transistorized professional mixer providing for the utmost flexibility in use. It has four microphone channels plus an auxiliary channel. There are five gain controls (an individual one for each channel) plus a master gain control. There is instantaneous and independent selection of high or low impedance on each of the microphone inputs. Male Cannon-type input receptacles. Outputs to match high or low impedance microphone inouts or high imp. high level auxiliary input. Size: $2 \% \times 11 \%$ x $5 \%{ }^{\circ}$.
44 R 75588 No Money Down". Shpg. wt., $53 / 4 \mathrm{lbs}$. Net 84.00 MODEL M68FC. M68 above but with female Cannon-type receptacles. 44 R 75851 V No Money Down*

Net 90.00

## REVERBERATION MIXER

MOOEL M68RM. Similar to M68FC above, except has built-in adjustable intensity reverb for special effects. Master volume control. Four inputs, and can be combined with M68 or M68FC for more inputs. Jack for use with remote reverb, 28 VDC jack. 40-20,000 Hz . Size: $21 / 2 \times 113 / 4 \times 51 / 4^{\prime \prime}$. For $105-130$ volt $\mathrm{AC}, 50 / 60 \mathrm{~Hz}$.
44 R $75877 Y$ No Money Down*. Shpg. wt., 8 Ibs. .. Net 117.00

## SHURE STERED MICROPHONE MIXER



Model M688. Designed for use with stereo tape recorders and sound reinforcement systems. It has four dual impedance microphone inputs- three switchable to elther left or right channel and the fourth with a pan control. Individual volume controls plus a stereo master volume control. Mono/Stereo switch. Stereo high impedance, high level outputs. 120 VAC or 30 VDC operation. Shpg. wt. 7 lbs. 44 R 76115 No Money Down*

Net 114.00

## SHURE AUDIO MASTER



MODEL M63. For maximum control fiexibility with any high level input source. Works in conjunction with the Shure M68 Series of mizers. Provides the means for correction of room acoustics, to reduce feedback, to provide special sound effects, for recording, to reduce stand and stage noise, etc. Has VU meter to menitor audio level. Five types of outputs: 600 ohm balanced Iline, high impedance high level, hlgh and low impedance microphone levels, and headphone jack for monitoring. Variable high pass and low pass 6 do per octave filters, Bass and treble tone controls. Two 30 VDC jacks and an AC receptacle. Frequency Response: $20 \cdot 20,000 \mathrm{~Hz}$. Size: $21 / 2 \times 113 / 6 \times 53 / 4 \%$. For $105-130$ volts, $50 / 60 \mathrm{~Hz}$. AC or 30 VDC .
44 R 75844 No Money Down*. Shpg. wt., $43 / 4$ lbs. Net 96.00

# Microphone Stands - Booms - Connectors ATLAS MICROPHONE STANDS AND BOOMS 



Model MS-10C Full Grip Mike Stand. Economical mike stand featuring "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 "antl-tip" points. Full chrome plated tube assembly. Terminates in a 5 " $"-27$ thread. Base dla. $10^{\circ}$, finished in gray shrivel. Melght adj., 35 to $63^{\prime \prime}$. Shpg. wt., $10 \% / 4$ lbs.

## 44 R 10031 W <br> Met 8.91

Model MS-12C. As above but heavier and tube extends to $62^{\prime \prime}$. 44 R 10049 Shpg. wt. $111 / 4$ lbs. Model MS-11C. As above but with full chrome finished base. 44 R 10056 Shpr. wt., 10 lbs.
MODEL CS 52 Mandsome stim low tube. Height adjusts from 34 to $62^{\circ}$. Shpg. wt., 10 los. 44 R 10312 Model MS. 125 "Sleeve.Action" Mike Siand, New mike stand featuring a fully automatic means of height adjustment. To lower the stand, just press on the "Sleeve Action" control. To raise the stand, any point on the tube can be grasped, Quiet and smooth action. Ht. 39 to $62^{\prime \prime} .10^{\prime \prime}$ dia. gray base. chrome tube. 5/8"-27 thread. 44 R 10064 Shpr. wt., $91 / 4$ lbs. Model CS-32 Demountable Stand, Revolutionary in design, this mike stand is fully collapsible to fit In amplifter or speaker-carrying case. No tools needed. Self-levelling legs are skid-proof. Features "FullGrip" and "Veivet Action." Adjusiable from 36 to 64 in. Fully chrome plated. $5 /{ }^{\prime \prime} \cdot 27$ thread. Shipg. wt. $51 / 4$ Ibs.
44 R 10072
Model Cs-33. As above but with hL .adj. of $26-64^{\prime \prime}$. Coilapses to $223 / 2^{\prime \prime}$. Shpg. wt., $43 / 4$ tos.

44 R 10080

## FLEXO MIKESTER



Model 1. Versstile mike stand with an extremely flexible arm, providing wice range of adjustment. swlags out $36^{\prime \prime}$ in any direction. Ideal for use in radio broadcast or recording studios, offices, airport, switchboard, theatres, night clubs, schools, hotels. Handies any mike up to i lbs. in weight. Clamps or screws to any horizontal or angulap surface up to $3^{\prime \prime}$ thick. Shpg. wt., 6 lbs.
44 R 10148
Net 19.95
FLEXIBLE GOOSE NECKS

Model GN-13 Goose Neck. 13" long for complete adjustment of mike $5 / 8^{-\prime}-27$ thread. Chrome finish. Shpge wi., 10 or
44 R 10262
Net 2.31
Model GN-19. As GN-13 but $19^{\prime \prime}$ long. Shpg. wt., $11 / 4$ lbs.
44 R 10270
Net 3.35

Net
9.50

Net 10.62

Net 19.20

Met 11.01

Met 12.98

Ms-25-Professional stand, reaturing "Safety Alr Lock Cüshion." Prevents accidental slippage of telescoping section. smoothly lowers on cushion of air. Grey and chrome base.. Ft adj. From $38^{\circ \prime \prime}$ to $67^{\prime \prime}$. Oversize chrome tubing whth $5 /{ }^{2}-27$ adapler. Shpg. wt.. 281/4 lbs.
44 R 10288
Net 24.00
0S.14-Contemporary motif desk stand. Salts elongated, slim mikes. Gun metal, shalvel base with protective felt pas. $3^{\prime \prime}$ polished chrome upright tube with $5 / \mathrm{m}^{\prime \prime} \cdot 27$ thread. Shpg. wt., $13 / 4$ lbs.

## 44 R 10296 .......................................................................... 3.68

Madel DS-5. "Volvet Action" Desh stand. Same quallty as floor models. Base dia. 6". Gun melal sbrivel Minish. Fixed ht. $4^{\prime \prime}$.
44 R 10098 Shpg. Wt., $23 / 4$ Ibs. .............................. 2.99 Model OS-7. Like DS-5 but with ht. adf. 8 to $13^{\prime \prime}$. Shpr. Wt., 3 lbs. 44 R 10106

Net 4.92
Model IS-8. Atjustable stand. A decorative and fine appearing stand sultable for use on a banquet table. Features quiet "Full Grip, Velvet Action" control. Adjustable from $144 / 2^{\prime \prime}$ to $26^{\prime \prime}$. Base diameter $8^{\prime \prime}$. Fully chrome-linished base and tube assembly. Shpg. wt. $57 / \mathrm{h}$ los. 44 R 10114

Net 9.15
Modet B5-36. Professional boom stand. Has removable 62" boom with gyromatic swivel joint to keep mike positioned. "Safety Air-Lock Cushion" eliminates slippage. Super-chromed tubes adjust $48^{\prime \prime}$ to $72^{\circ}$. Chrome and gun metai base. Shpg. wt. 29 tbs.
44 R 10122 Wo Money Down*
Net 59,85
Model Bs-36W. Same as above but with swivel casters. Wt., $361 / 4$ lbs. 44 R 10338 w No Money Down* ........................... 67.80 Model 88-1. "Eaby Boom" Attachment. Use with any mike stand. $32^{\prime \prime}$ long. 3 a". 27 thread. Chrome plated. All swlvel parts are precision die castings. Shpg. mt ., $41 / 4 \mathrm{lbs}$.

## 44 R 10130

Net 6.92

## PORTO-STAND - All-In-One Microphone $29^{16}$ Stand-Baby Boom-Cable Hanger-and Carrying Case

professional portable microphone stand-boom combination eliminates time and Irouble involved in assembling and disassembling. Once assembled, 2 bock-on connectors provide ir stamt detachment of boom and microphone from stand. Complete stand and $31^{\prime \prime \prime}$ baby boom fit Into the rugged black vinyl carrying case. Stand has fully chromed tube section with a "fult grip" clutch assembly for quick, silent helght adjustments without slipping. Hetght range is $34^{\prime \prime}-52^{\prime \prime}$. Tip. proof $10^{\prime \prime} \cdot 12 \mathrm{Ib}$. base assures excellent stability. Shpg. wt., $191 / 2 \mathrm{lbs}$. 44 R 10429 W
Mike Flanges and Extension Rods. For neat and perma. nent mounting. Fits $50^{\prime \prime} \cdot 27$ mikes. Base dia.. $11 / 4^{\prime \prime}$ Extension rods. mate on both ends. Av. shpg. wt., 5 ors. 44 R 10155 AD-12 Male Flange ............Net . 92 44 R 10163 AD-11 Female Flange ........ Net . 90 44 R 10171 AD-8 $6^{\circ}$ Ext. Rod Net .83 adike Adapters. For adapting special fittings. Wt., 10 or . AD-1 $50^{\prime \prime}-27$ female to $y_{2}^{\prime \prime}$ male thread (RCA) 44 R 10189
AO-2 $1 / 6^{\prime \prime}$ temale pipe to $\% \mathbf{" m}^{\prime \prime} .27$ male
44 R 10197
AD.4 $3 / 4$ " long 56 " -27 male running thread
44 R 10213
$40.558^{2 \prime} .27$ female to $5 /{ }^{-2}-27$ female coupling 44 R 10221
Model Sw-1 Cyromalic swivel. Permits any mite .68 locked at any angle, sty"-27 thread. $4 \frac{1}{2}{ }^{2 \prime}$ long. 44 R 10247
.
R 10248 ...................................... 4.47
Model $\$ 0-1$ " $\$ \mathrm{Snap}-0 \mathrm{n}$ " Mike Attachmert. Quick and safe.
For sil mikes and stands. Two "Snap- $3 \mathrm{n}^{\prime \prime}$ sections.
44 R 10254 Net 2.66
Model $\mathbf{~} 0.2^{\text {" }}$ (reck-On" for quick disconnect of mike from stand. Positive lock when on stand, pushbutton release. 44 R 10023

Net 3.15
Model co-1. Connect-on $360^{\circ}$ swivel a-tachment. Mounts instrument or second microphone to milte floor stand or instrument or second microphone to
to table or desk top. Shps. wt., 8 oz . 44 R 10437

Net 3.51
Model TM-1. Twin microphone mount for installation of
ATLAS MICROPMONE Accessortes
 two of three microphones on mike stand, podtum or tectern top. Shpg. wt. $8 \mathbf{o z}$.
44 R 10445


Dynamic Microphones

## 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 ( 50 K ohms) dynamic incorporates a new engineering concept designed to overcome the ilmitations on high quality wide frequency response imposed by ordinary single cartridge microphones. The "DCO" has 2 independent cartridges, one each for the high and low frequency ranges in a carefully engine ered acoustic design. Response is 50 to $15,000 \mathrm{~Hz}$. Dutput is - 56 db . Pattern is omnidirectional. Has non-inductive transformer to eliminate effects of external alternating fields. Dn-Dff slide switch, Die cast body is finished in satin-black and, gleaming chrome. Black metal desh stand. Comes with adapter for mitg. on desh stand or floor stand and $54^{\prime \prime}$ detachable cable. Sizes: mike $64 / 4 \times 11 /{ }^{\prime \prime} 0 . D$. base $41 / 2^{-2}$ diam. Imported. Shps. wt. 2 lbs.
99 R 45973
Net 17.95

## 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 anth-feedbach 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 deslgn. Equipped with on-off switch. Freq. Re sponse $100-10,000 \mathrm{~Hz}$. Sensitivity: - 58 db at 30K. Mylar diaphragm for "pop" and "blast" proofing. Dual im. pedance: may be shifted from high impedance to 250 ohm low Im . pedance by means of a cable connection. Mike tiltable thru $90^{\circ}$ arc por all standard $5 / \mathrm{m}^{m}-27$ slands. Size: $71 / 2 L \times 11 / 2 \mathrm{Dia}$. With 20 ft . detachable cable with mike plug at one end. Imported. 99 R 45460 Shpg. Wt., $34 / 4 \mathrm{bb}$.

Net 12.95

## LAFAYETTE MODERN DYNAMIC

- Dual Impedance
- Omni-directional

A lightweight non-directional dual impedance: (Migh 50K; Low 250 ohms) selectable at cable with a fine response of $100 \cdot 10,000$ hertz. Output - 60 db . For use either as hand-held or on any standard $5 / 9=27$ desk or floor stand. Adapter supplied. Has 20 ft . detachable cable with mike plug. On-off slide switch. Tapered metal case finished in satin-black and aluminum. Size: 7Lxly/8" diam. Wire mesh grille for protection against "pop" or wind blast.
99 R 46039 (less stand). Imported. Wt., $11 / 4 \mathrm{lb}$. Net 10.95 Heavy metal desk stand for above. Dlam. $3 x / 4$ ". Shpg, wt., $11 / 4 \mathrm{lbs}$. 99 R 45999 Shpg. wt., 1 ib.

Net 2.49

## LAFAYETTE DELUXE BALL DYNAMIC

- Dual Impedance
- For High Quality PA and Recording
- Complete with Stand

The most modern design features dual impedance: high (50k ohms) or low ( 250 ohms ) selectable at cable end. Pattern is omnidirectional. Output at high impedance is -59 db. Frequency response is 100 $10,000 \mathrm{~Hz}$. Has on-0ff switch. Ball screen insures against "pop" and wind blast. Die cast case is $61 / 4^{\prime \prime}$ long. Max. diam, of ball $2^{1 / s^{\prime \prime}}$. Finished in satin aluminum. $6 \mathrm{f1}$. detachable cable with mike plug at one end. With black metal desk stand and adapter for any standard for"-27 stand. An excellent general purpose mike.
99 R 45981 imported. Shpg. Wt., 23/4 lbs.
Net 14.95

## LAFAYETTE PA DYNAMIC MICROPHONE

Ideal for public address work. Integral desk stand has press-to-talk switen with optional locking leature. Dual Impedance: 50 K ohms and 250 ohms. Dynamic with omni-directional patterm, output of 60 db and frequency response of $50-9,000 \mathrm{~Hz}$. Metallic green finish. 7 ft . cable. Size: $77 / 8 H_{i}$, base $51 / 2 \mathrm{D} \times 3^{7 / 6}$ W. Imported. Shpg. wt., $21 / 2$ lbs. 99 R 46096

Net 12.95

# Dynamic Microphones LAFAYETTE ENTERTAINERS MIKES 

For Musical instrument Amplifiers


#### Abstract

(A) CARDIOID DYNAMIC MIKE

A supert dynamic microphone designed for applications where location of Derformer in relation to speakers causes feedback and reverberation. Higthy directional cardioid pattern, Dusi impedance: S0K or 600 ohms, selectable by swiltch. Response: $\mathbf{1 0 0} \cdot \mathbf{1 0 , 0 0 0} \mathrm{Hz}$. Mylar diaphragm. On/off switch. Modern design, satin chrome finished die-cast case, for hand-held or stand use, size: $84 / 4 \mathrm{Ln} 1 / 2 \mathrm{Z}$ head. With swivel stand adaoter and 20 ft . detachasle cord with phone plut at other end. Imported. Shpg. wt., $1 * / \mathrm{dbs}$.


## 99 R 46294

(日) DELUXE BALL DYNAMIC MIKE

- For Hand and Stand Use

Modern design features dual impedance-Migh 50 K ohms, or low 250 ofms. Omni-directlonal, $100-10,000 \mathrm{Mz}$. Has on-ofi switch. Ball screen Insures against "pop" and wind blast. Dle cast. finished in satin aluminum. Sire: $61 / 4^{* \prime}$ long. max, diam, of ball $21 \mathrm{~h}^{\prime \prime}$. Complete with detachable 20 ft . cable and phone plug. Black metal dest stand and adapter for, any "ste" 27 floor stand. Imported. Shpe. Wha, 3 lbs. 99 R 46203 .......................................................................... 16.95


## LAFAYETTE PA DYNAMIC

An excellent generaf purpose dynamic mi crophone for $P_{A}$ and paging, etc. Designed for flexibility in use, it may be hand held, mounted on any 9 "-27 stand. Frequency range $100 \cdot 10,000 \mathrm{~Hz}$. Output - 58 db , high impedance ( 50 K ohms). Omnidirectionai plek. up pattern. Has on-oif slide switch. Gleam. ing black body with chrome head. Tapered body size $63 / 4$ " long, max. O.D. $11 / 4^{\prime \prime}$. Complete with $41 / 2 \mathrm{ft}$. delachable cable with mike connector, adapter for stand mounting. Im. ported. Shipg. wt., $11 / 2 \mathrm{lbs}$.
99 R 46369
Net 7.95

## LAFAYETTE DYNAMIC PA MICROPHONE W/SWITCH

The perfect companion microphone to the solld state mobile PA amplifier. Features a high impact styrol case, hang-up clip and flexible single conductor shielded cable. Omnidirectional pattern mike has output impedance of 300 ohms and output level of 73 db at 1000 cps . Frequency Response: 300.2500 cps. Grey and black case with push-to-talk switch. Imported. Shpg. wt., $3 / 4$ it. 99 R45775

Net 4.95

## LAFAYETTE 3-WAY DYNAMIC

Uni-directional microphone has cardioid 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 $200 \cdot 10,000 \mathrm{~Hz}$, output -61 db . High impedance (50K ohms). Case is high impact plastic finished in blue and gray Chrome plated desk stand. Really "fly. weight" mike measures only 33 "Lxi" max. diam. Comolete with 5 ft . cord, stand and lavalier cord. Imported. Shpt. wt., $1 / 2 \mathrm{lb}$. 99 R 45866

Net 7.95


Nlows a trarsistorited portable tape re corder to start automatically when sound is picked up by the microphone and stop a few seconds after the sound stops. Designed for recorsers having a "Remote" jack for re. imote Start/Stop switch equipped microphane. Hes atectronically controfled refay, 3 position switch for woice controt-Off-Remote. Threshold sensilivity control adjustable for varying nolse tevel locations. In "Remote" position, it oferates as a dynamic microphone with renote controi switch. Complete with cord, plugs, and Instructions. With GV battery. Imported. Shpg. wt., $3 /$ to.

## 99 R 46047

$9 V$ Battery For Above Net 25
998 E0212 .............................. LAFAYETTE
VERTICAL DYNAMIC
MICROPHONE

- Ideal For Tape
Recording and P.A.
Smooth Omni.
directional Sound Pickup
A highly versatile studio-type dynamic mic. rophone which is equally at home with the tape recordist and public address sound systems. Lightweitht. it can be mounted on any slandard He $^{\circ}-27$ stand. Has omnt-direc. tional polar pattern. Frequency response: $100-10,000$ herti. Migh output, -54 db . Impedance. 50,000 ohms. Smart, durable chrome finish, with silver grey screen. Complete with self-adjusting swivel, siandard $540-27$ stand thread and non-detachable 5 ft . cable. Dimensions: $5 \mathrm{Hxl} 2 \mathrm{~s}^{\circ} \mathrm{W}$. Im. ported. Shpe, wi.. $1 / \mathrm{ll} \mathrm{lb}$. 99 R 45593

An especially rugged dynamic microphone featuring wide response of $100-10,000 \mathrm{~Hz}$. and output of -55 db . High impedance ( 50 K ohms). Omnidirectional pattern. On-off slide switch. Very heavy die cast case. Finished in satin chrome. Mounts on any
 18 ft . detachable cable with milte plug on one end. Imported. Shpg. wt., 2 ibs. 99 R 45908

Net 12.95

## LAFAYETTE HEAVY DUTY DYNAMIC

 99 R 45593

# LAFAYETTE MICROPHONES <br> <br> Economy Mikes and Miniature Mixers 

 <br> <br> Economy Mikes and Miniature Mixers}


## 4-WAY SLIM CRYSTAL MICROPHONE <br> Only

- 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 560 - 27 floor or desk stand with adapter supplied. Good clean reproduction. Frequency response $50 \cdot 9,000$ Hz . Output. - 65 db . Equipped with on off switch which may be used as press-to-talh or locked into "on" position. Brushed aluminum body is $5^{\prime \prime}$ long with $54^{\circ \prime}$ cord. Blach oval base is $33 / 61 \times 21 / 3$ "W, Imported. 99 R 45874 Shpg. wt.. 1 tb. .... Net 4.95

TINY CRYSTAL MIKE


- For Desk-Top, Hand-Held Use
- Full - 55 DB Output Level
- Excellent Frequency Response

An attractive, specially engineered general purpose crystal mike for desk-top or handheld use. Excellent frequency response. Output level - 55 db . Only $1^{5} \mathbf{3}^{\prime \prime}$ In diameter. Includes 5 - ft . of shielded cable for connection to tape recorders, public address amplifiers and radios. Chrome plated stand. Imported. Shpg. wt., 6 ozs.
99 R. 45437

## LAFAYETTE MINIATURE MIKES \& CARTRIDGES



## (A) MINIATURE DYNAMIC MIKE

Rugged-metal encased-to resist mechanical shoch and variations in heat and humidity. Measures only 1 1/4" dia, $x / 16^{\prime \prime}$ thick. High sensitivity in the voice range. frequency response 300 to 5000 Hz . 600 ohm impedance. Output - 73 db . Includes 4" flexible lead terminals. Imported. 2 ozs. 99 R 45270 Net 1.89
(8) SUBMIMIATURE CRYSTAL MICROPMONE

An extremely sensitive and small crystal microphone similar to the round types but for replacement use in hearing alds where a rectangular shape is required. Measures: $13 \times 1 \times 1 / 4^{\prime \prime}$ deep. Imported. Shpg. wt. 2 ozs. 99 R 45189

Net 1.19
(C) CRYSTAL CARTRIDGE

Crystal microphone cartridge with heavy flexible rubber cushioned rim designed for speedy, economical repair. Replacement for Astatic, Shure, and many other popular microphones. Overall diameter $2^{*}$, depth $1 / 2^{\prime \prime}$. Output - 52 db . Excellent frequency response. Imported. Shpr. wt., 3 ozs.
99 R 45130
Net .99


## LAPEL MICROPHONE 195

A sensitive general purpose crystal microphone designed to attach to your tapel for situations requiring both mobility and the full use of both hands. Only $1 \$ 5^{\circ}$ 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., 4 or.
99 R 45106
Net 1.95
GENERAL PURPOSE MIKE

## 298

May Be Hand-Held or Suspended By Lavalier Cord
A crystal microphone for use elther as a hand-held or as a breast mike. Silver colored lavalier metal chain and holding bracket. Good frequency response with an output of -53 db . Aluminum alloy case with black baked finish and silver screen. 6' cord. $2 K_{4} " L \times 138^{\prime \prime}$ max. diam.; convenient to hold. ShpR. wi., $1 / 2 \mathrm{lb}$. imported.
99 合 45957
Net 2.98
LaFAYETTE MINIATURE AUDIO MIXERS

(A) Performs any mixing operation where 2 high impedance input channels are connected to a single, mixed high Impedance input channel. Each input has its own level control. Momentary switch protects speaker while inserting into system, Shielded, chrome plated housing. Has 2 RCA.type fe male input jacks and an RCA-type male phono plux output. $23 / 4 \times 13 / 4 x 7 / "^{-1}$ overall. Imported. Shpr. wt.. $1 / 4 \mathrm{lb}$.
99 R 10134
Net 2.29
(B) Same as above except output is standard phone plug. $31 / 4 \times 13 \times 11 / 0^{\prime \prime}$ overall. Imported, Shpg. wt. $1 / 4 \mathrm{lb}$.
99 R 10142
Net 2.39


2 -input hi-impedance mixers. Record sound-on-sound. Record music direct and dub your voice at the same time. Record from 2 -mikes at once. Separate gain controls for each channel allow fading. Shielded housing. Size: 21/exl"hox1ho". Shpg. wt., 6 ors.
Type 310. Two 2 -cond. phone jack inputs to 2 -cond. phone plug output.

## 24 R 88666

Net 5.88
Type 311. As above but has long output plug to fit recorders with recessed jacks.
24 R 88674
Net 5.88
Type 313. As sbove but with short Revere plugs and jacks for std. or short phone plugs. For all Revere/Wollensah recorders.
24 R 88518
Net 5.88
Type 320. Male mike connector inputs and female mine connector output.
24 R 89658
Net 5.88

## RECORDING - MIUSICAL INSTRUMENT - WIRELESS MIKES

## LaFAYETTE RECORDiNG MICROPHONES



## (A)LAFAYETTE PROFESSIONAL DYNAMIC

- Specially Desigmed for .Transistorized Recorders

Recommended for all high quality recorders and particularly solid. state unlts. Has a wide frequency response of $80.15,000 \mathrm{~Hz}$ High impedance ( 10 K ohms) with an output of - 65 db . Die cast satin-black body with aluminum Irim. Silm tapering design. May be hand-held, used on dest stand supplied or mounted in any $\mathbf{F N}^{*}-27$ stand. Black stand with aluminum trim. Mike is $51 / 2^{\prime 2}$ In $1^{\prime \prime}$ dia with 8 ft. attached cord and standara phone plug. Stand is $41 / 6 \times 21 / 2^{\prime \prime}$. Imported. Shpg. wt., $11 / 4 \mathrm{lbs}$.
99 R 45 es.

## (B) LAFAYETTE DELUXE DYNAMIC

For fine recording and general use, this stim beauty may be handheld, placed on its own desk stand, used as a lavalier milie or mounted on any stancard $5 / 8^{-} .27$ stand. Omnidirectional pattern gives wide coverage. Wide range response from 100 to $10,000 \mathrm{~Hz}$. Dual impedance: 50 K and 250 Ohms. Output -64 db . All metal. Die case base and mike finished in handsome satinechrome. 5 ft . cable.
 cord and bracket and stand adapter. Imported. Shpg. wt., i ib. 99 R 45924 ......................................................................... 80


## (C) LAFAYETIE STANDARD DYNAMIC

An outstanding value. this featherweight dynamic. microphone is attractively styied in tapering design, and finished in taandsomely contrasting black with aluminum trim. It may be hand-held or used on the small desk stand supplied. The omni-directional paltern picks up sounds from all sides. Assures wide coverage. Impedance is 10,000 ohms. Frequency Response is 70 to $9000 \mathrm{~Hz} \pm 7 \mathrm{db}$ and the output is -67 db . Mas a built-in on-off switch. Comes complete with 6 ft . cord with standard phone plug. Size: $61 / a \mathrm{Lz} / \mathrm{s}^{-}$diam. Imported 99 R 46161 Shpg. wt., 1 tb.

Net 5.95

## (D) LAFAYETTE TINY DYNAMIC MIKE

## - For Solid State Recorders

This is an excellent quality dynamic microphone which may be set on table or desk top or hand held. Impedance is 600 onms and is designed for use with solld-state recorders requiring reliallvely low impedance dynamic microphones, Used with many Lafayette re. corders. Size is $31 / 4 \mathrm{~L} \cdot x^{3 / 4} 4^{\prime \prime} \mathrm{D}$. Supplied with 5 ft . of cable terminating in standard phone plug. Imported. Shpg. wt., 8 ot. 99 R 46302

Net 5.95

## LAFAYETTE REMOTE CONTROL CASSETTE MIKE



Remote control dynamic microphone for table top or hand use. Impedance is 200 ohms for cassette recorders requiring low impedance mikes. Response: 100 to $9,000 \mathrm{~Hz}$. Has on-off switch. size: $41 / 2 \mathrm{Lx}$ $\%$ " dla. With 5 ft . cable terminating in dual miniature plugs for mike and remote control. Miniature $1 / 4{ }^{\prime \prime}$ and subministure $\mathrm{kz}_{2}$ " plugs fit most cas sette recorders. Complete with prop stand. imported. Snpz. wt., 5 oz .
19 R 46j44
Nel 3.95

I

# $19^{95}$ 

 LAFAYETTE FM WIRELESS MICROPHONEWith FCC Trpe Approwal - Can Be Used With Aay 88-108 MHz FM Tuner, FM Radio, FM Portable or FM Auto Radio - Requires No Bothersome Connecting Cables - Clear, Static-Free Performance

## A transistorired FM transmitter and microphone which transmits up

 to $\mathbf{1 5 0}$ feet with periect clarlty to any $88-108 \mathrm{MHz}$ FM recelver. Has hundreds of practical uses-for entertainers and theatricat productions, in-plant commenications. baby sifting, inventory and survey situations and many other remote sound picti-up applications withoft interfering connecting cables. Has sensitive built-in microphone and is fully shielded against interference. Approved by FCC. Tunable from 88.108 MHz . Operates on inexpensive 9 V transistor baltery (not supplied). Compact: $43^{\prime \prime} \times 2^{\prime \prime} \times 1^{\prime \prime}$, Lightweight: only $31 / 2$ oz. includes antenna, tuning tool and operating instructions. imported. Shpg. wt., 10 oz.99 R 46393
Net 19.95
99R 60212 9V Battery-1 required
Net .29

## LAFAYETIE MUSICAL INSTRUMENT

 MICROPHONES
## DELUXE GUITAR MICROPHONE

## - Individual String Controls - 2 Pickups Tone Control - 2 Volume Controls

This unusual microphone gives the utmost In versatility of tonal effects. Each of the 2 sensitive magnetic pickups has 6 adjust. able heads so you may vary the power of each Individual string. Each puchup has its own separate volume control. Comtining these with the overall tone control, makes available an amost infinite adjustment of sound for any requirement. Comes complete with 6 ft . removable cord with mike plug at one end and standard phone plug for ampilfier at other. For $f$ hole guitars. Size: $10 \sqrt[2]{ }{ }^{2}$ long. With bracket and mounting accessories. Imported. Shpg, wt., $1 / 416$.

## 99 R 45833 <br> ROUND HOLE GUITAR MICROPHONE

For use with Spanish guitar, ukuteles or other round hole instruments. Magnetlc pictup with 6 adjustable heads so you may vary the power of each string. It has separate tone and volume controls. 7 ft . cable with sland. ard phone plag for musical amplifier. finished in black and gleaming nickel. simple to mount, easily adjustable. Imported. 99 R 46351 Shpg. wt., 1 lb. Net 8.49

## RUUSICAL CONTACT MICROPHONES

Easily attached to all stringed instruments. Provides rich reproduction. Clamp slips wnder sounding soard cutout. With oft. cable. $134^{\prime \prime}$ long imported. Shpg, wt. 402. $99 R 45767$ With volume control Ne! 1.99

$$
\begin{aligned}
& \text { HARMONICA CONTACT } \\
& \text { MICROPHONE }
\end{aligned}
$$

This is a fine quality, sensitive, crystal con tact microphone with a high output that is especially destgned to fit harmonicas. installation is simple. It is sturdily bulit and
 with 7 ft . shielded cable. imported. Shpt. wt., 302.
99 R 45163


# LAFAYETTE Top Performing CB Microphones 



## (A) DYNAMIC CB MICROPHONE

- For Use With Low Impedance Solid State Transceivers Super efficient low impeqdance oynamic microphone. Housed in attractive, professtonally styled, gray and black, high-Impact plastic case. Fits snugly in palm of hand. Top-performing coiled cord consists of 3 conductors plus shield and terminates in 4 prong miniature plug. Wired for relay switching. Mates directly with mierophone Input chassis socket of Lafayette H0-500, HB. 500 A . HB. 555 , MB- 525 , HB. 525 A . HB 525B, HB-525C, HB-625, HB-23. HE-20T, HE-200, HA-450T, HB-600, and telsat 23 Size: $35 / 6 \times 23 / 6 \times 1 / 44^{\prime \prime}$. Imported.
99 R 46187 Shpg. wt., 3/4 lb. ......Net 6.95


## [B] NOISE CANCELLING CB MIKE

A high output ( -48 db ) low noise cardioid pattern PTT ceramic mike excellent for mobile and base applications. Minimizes noise pickup from rear to avoid interference with audio input. Rugged, high-impact Cycolac dark grey case with 3 conductors (one con. ductor shielded) coiled cord. Fits comfortably in palm of your hand. Frequency re. sponse $300-3000 \mathrm{~Hz}$. For use with tube. type $C B$ equipment. With hang-up clip. Less plug. Shpg. wt., $1 / 4 \mathrm{th}$.
44 R 45011
Net 6.95
Minlature Microphone Plug. For connection to Comstat 19, 23, 25, 25A, 258, HB-444, A, and Comstat 23 Mark v. Mark vi. Imported. 99 R 62630

Net 1.49
MICROPHONE MOUNTING CLIP
 Standard microphone mounting clip. Accommodates most stud mounting CB and Ham microphones. Attaches to metal case or dash board with 2 screws. Shpg. Wt., 2 02,
99 R 31841
RCA STARMAKER MICROPHONES


Model Wx.96. An excellent cardioid dynamic microphone for stage, recording or broadcast use. Dual Impedance 200 or 15,000 ohms; response: $50-15,000 \mathrm{~Hz}, 3$ position bass roll-off switch reduces rumbie. Complete with windscreen, slip-on holder. 20 ft . shielded cable and attache case. Black and chrome finish. Size: $97 / 4 \times 1.6^{\prime \prime}$ diameter. Shpg. wt., 3 lbs.
44 R 21004 No Money Down* Net 37.00 Model HK-98. A ball-type omnidirectional milke ideal for high quality music and volce applications. Dual impedance 200 or 15,000 ohms; response: $40-17,000 \mathrm{~Hz}$ with on-olf switch. Black and satin chrome finish. Complete with windscreen, adjustable swivel mount, 20 ft . shielded cable and attaché carrying case. Site: $71 / 2 \times 1.9^{\circ}$ diameter. 44 R 21012 Shpg. wt. $21 / 2 \mathrm{lbs}$. Net 30.00

## C] CB BASE STATION CERAMIC MICROPHONE

For tube-type CB transcelvers, Efficient attractive high impedance desk ceramic microphone. With convenlent push-to-talk button plus lock-switch for prolonged transmission. 3 -conductors plus shield for normal relay or electronic switching. $3 y / 4 x$ $53 / 4 \times 73 / 4{ }^{\prime \prime}$. Imported. Shpg. wt., $12 / 2$ lbs. 99 R 46070 Less plug. ...........Net 11.95
Minlature Microphone Plug. For connection to Comstat 19, 23, 25, 25A, 25B, HB-444, A and Comstat 23 Mark V. Mark VI. Imported. 99 R 62630

Net 1.49

## [D] BOOM MIKE/HEADSET

Frees hands for safe driving. Perfect answer to your CB and Ham mobile needs. For use with VOX or foot switch for transmit-recelve changeover. Lightweight and comfortable with 8 -ohm earphone. Crystal mike for high output and full modulation. Boom and head. band adjust to individual preference. Milke mounted on swivel. Finished in chrome and two tone plastic. With 5 ft ., 4 -conductor cable. Imported. Shpg. wt, $3 / 4 \mathrm{lb}$.
For tube transcelvers
99 R 25652
Net 5.98

## MAGNETIC

## MICROPHONE HOLOER 7 C - For CB, Ham and

 Commercial Mobile Radios

Either clip to microphone for ready-to-use magnetic mike or attach to any steel surface and slip microphone in holder: Fits most microphones. ImFits most micr
ported Wt., 3 oz
99 R 45535
Net 79

## [E] CB CRADLE hand SET

Modernize your present fixed of mobile CB station with these telephone style handsets Attaches to dashboard, side of unit or wall of fixed station switch in the cradle automatically disconnects the speaker when the handset is lifted. The microphone is activated by means of a push-bar, push-to-talk switch. Ideal for use in heavy traffic, loud background nolse area, at home or in the office for privacy. Shpg. wt., 2 Its.
For Solid State Transcelvers
42 R 65039
Net 24.95 For Tube-Type Transcelvers
42 R 65047
Net 24.35
Microphone plug for connection to solid state HB-500, A, MB-555, HB-600, A. HB-525 A. B, C, D, MB-625, HE-20T, HB23, Telsat 23 , 50, 150, Micro 12.

## 99 R 62838

Net .99
Speaker Plug for insertion into external phone/speaker jack.
99 R 62101
Net 25
Microphone plug for connection to tube type Comstat $19,23,25,25 \mathrm{~A}, 25 \mathrm{~B}, \mathrm{HB} .444, \mathrm{~A}$, Comstat 23 Mark V, VI
99 R 62630
Net 1.49
Speaker Plug for insertion into external phone/speaker jack.
99 R 62218
Net 30

## [E] "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. ix11/4x31/4". 99 R 45791 Wt., B oz. Imported Net 4.95 Miniature Microphone Plug. For connection to Comstat 19, 23. 25, 25A, 258, HB-444. A. and Comstat 23 Mark V. Mark vi. Imporied. 99 R 62630

Net 1.49


## MODEL D-104 MICROPHONE

Used extensively by radio amateurs for lis high intelliglaility and "punch." Responds with rising characteristics from $500-4,000$ Hz. High output sealed crystal element. Output level -46 db . Chrome finlshed mesh grille and body. With $5-1 t$. cable and adapter to $5 /{ }^{\prime \prime}-27$ thread. Shpe. wt., $17 / 4$ ibs.
44 R 14017 Less Stand ......... Net 18.60
MODEL GO-104. Same as $\mathbf{0} 104$ except with grip-to-talk stand. SPST switch.
44 R 14025 Shpg. wt., $34 / 4$ lbs. Net 30.72


MODEL UG8-0104
The 0-104 microphone with the UG8 grip-totalk stand. Described below. DPDT switch.
44 R 14033 Shpg. wi.. 31/4 lbs. Net 33.72

## MODEL UG8 STAND

Die cast, all metal with bar activated DPDT leaf-switch for elther momentary or "lockon." Two switch sections. Noise free, silver contacts rated up to 3 amp DC, 8 terminals for connections, 6 ft ., 4 conductor cable. Chrome and gray. $5 \frac{1 / 2 " ~ d i a m . ~ \& ~}{81 / 4}$ "H. Shpg. wt. $21 / 2$ los.
44 R 14041

# Turner Microphones 


"M+2/U" MOBILE MIKE Increases signal strength and range. Frequency $300-3000 \mathrm{Mz}$ Preamp has volume control on rear to adjust modulation for best performance, Complete with battery, dash bracket and 5 ft . colled cord. For sets with relay switching. 44 R 70183 Shpg. wt., $11 / 2$ Ibs. Net 30.00 Same for electronic switching.
44 R 70191
$\qquad$
Net 30.00
Replacement 7V. mercury battery for above. 32 R 47699

Net 1.50

## MODE: IFBENC

## 1960

- Mobile Noise Cancelling Microphone

A new nolse cancelling ceramic moblle microphone with all the most desired professional features. Peaked for SSB response from 200 to $4,000 \mathrm{~Hz}$. to really cut through the QRM. Recommended by experts for today's new AM/SSB transceivers. The notse cancelling feature realiy cuts down on moblie background noise caused by passing or on-coming traffic, truck engine roar, etc. Protessional all black case with soft rubber Hp guard and neoprene colled cord. Shpg. wt., 1 ib. 44 R 70373 .......................... 12.60

MODEL " +2 "
BASE STATION MICROPHONE

- Built-in

2 -transistor preamp

Model "Plus-3" Base Station Microphone

- Transistorized Pre-amp Plus Modu-gard

The "Plus-3" ceramic microphone has a new transistorized pre-amp with volume controt plus a new compression amplifier circuit which aliows user to talk close or far from the mike without varying the output signal. This prevents mike splat and sputter. Response: $300-3000 \mathrm{~Hz} .3$ conductor ( 1 shielded) colled cord. Touch-to-talk front bar switehing with side lock when desired. Wiring instructions for over 100 popular transceivers. Shpg. wt, 4 lbs.
44 R 70316 No Money Down* Net 45.00 Replacement 9 V . long life-battery for above. 99 R 63729
" +2 " BASE STATION MIKE increases sIgnal strength and rangel Frequency response of $300-3500 \mathrm{~Hz}$. Push-to-talth bar with locking switch permilts normal PTT operation or VOX Werks with all sets-Relay or Electronic switching! 3 conductor, 1 shield blue colled card. Finished in blue and chrome. Output impedance 5000 ohms. Battery included. 44 R 70167 Shpg. wt., 274 Ibs. Net 36.00 Replacement 9 V long life battery for above. 9世 R E3729


MODEL 254C
Attractive ceramic microphone with DPDT push-to-talk switch plus lock switch for fixed station operation-elther relay or electronic switching. 7 foot 3 conductor (one shieided) stralght cable. Response $80-7000 \mathrm{Mz}$. Output level - 54 db . Gray hammertone finish with chrome trim. $73 / 437 / 6 \times 51 / 4^{-1}$ base. Shpg. Wt., $21 / 2 \mathrm{lbs}$.
44 R 70035
MODE1 254x
Net 21.00
MODEL 254 x
Crystal version with output of -48 db . 44 R 70100

## Mavel 454 C

Single sideband ceramic mike that is Ideal for hams. Output level of -52 db . Frequency response $300-3000 \mathrm{~Hz}$. Push-to-talk front bar plus locking switch gives choice of PTT or continucus vox operation. For electronlc or relay switching. Complete with colled cord that extends to 5 ft . Size $73 / 4 \mathrm{H} \times 514^{\prime \prime}$ deep. Shpg. wt., $21 / 2 \mathrm{lbs}$,
44 R 70019
Net 24.00
MODEL 454X
Same as abeve but crystal with oufput of -48 db .
44 R 70043
Net 24.00


MDDEL 350C
Ideal for CB use. A rugged push-to-talk ceramic microphone wired for relay operation. Extratough polystyrene case; hanger button and standard dash bracket are included. Also neoprene colled cord, 11 inch retracted, 50 ft , extended. Outpot. -54 db . Response 80-7000 Hz. Dart grey finish. shpg. wt. $11 / 4$ lbs.
$4<$ R 70027 .............................. Net 10.80

## MODEL 355 C

Mobile ceramic microphone with handy gripto talk switch, Comfortable to hold, comfortatle to use. Features an output level of - 50 de. Frequency response $80-7400 \mathrm{~Hz}$. Tough plastic case, Completo with 5 th . colled cord. Shpe. wt., 1 to
4RR 70050
Net 12.00

## MODEL 865 CAROIOID BYMAMIC

Cardioid dynamic type; high impedance. An excellent sounding milte for music and home recording. Minimum feedback. Response 100 $13,000 \mathrm{~Hz}, 20 \mathrm{ft}$. cable and plug. With carrying case. Shpg wt., $21 / 2 \mathrm{tbs}$.
44 R 70290
Net 24.00

## - Transistorizeu Lanhile Microphone with Volume Control and Modu-Garo

A modern excitingly styled transistorized mobile microphone with compression amplifier circult which permits full modulation and guards against overmodulation. Slise-action control permits volume adjustment for up to 20 ab gain. Modu-gard allows talking close to or far from the microphone without varying the output signal or over-modulating. Ceramic interior with frequency response of $300.4,000 \mathrm{~Hz}$.. peaked SSB (rising characteristics). Blue and white case with a ttractive blue coiled (three conductor, one shielded) cord. Comes with 7V battery and instructions. Shpg, wt., 1 th.
44 R 10357
Net 33.00
Same as phove for electronic switching. 44 R 70365 Shpg wt., 1 tb.

Net 33.00
Replacemem $7 V$ Mercury battery for above.
Net 1.50

866

cartrideg

## MODEL 766 BALLAOIER MUSICIAN'S CARDIOIO DYNAMIC

A ball screen styled cardiold dynamic microphone des gned specifically to reproduce the high volume sound of today's musical groups. Excellent cardioid performance accom modates high levels without feedback. A high impedance microphone with $40-15,000 \mathrm{~Hz}$. frequency range. Has on-off switch; bullt-in blast filter to eliminate "pop" "howl" or wind noise. Rugged stand adapter for in-hand on on-stand use. Removable 20 ft . cable with phone plug. Heavy-duty chrome finish. Packaged in individual carrying case. Shpg. wt. 3 lbs.

44 R 70381 No Money Down* Net 45.00

## REPLACEMENT CARTRIDGES

Ceramic for " +2 " and 360
44 R 70324 Shpg. wt., 3 oz .... Net 6.00 Ceramic for " $M+2 \rho U^{\prime \prime}$ " and " $1 M+2 U^{\prime}$ "
44 R 70332 Shpg. wt., 4 oz. ... Net 6.00
Ceramic for 254C, 350 C , efc.
44 'R 70092 Shpg. wt., 4 oz .... Net 6.00


NEW SHURE S45SD "UNIDYNE III"
Slender dynamic unit with completely symmetrical unidirectional pattern. Pertorms in difficult applications without feedback and sound boom. Acclalmed for its naturai reproduction of human voice. Features a new builtin long life magnetic reed "on-ofp" switch. 50 to $15,000 \mathrm{~Hz}$. Dual impedance. Outputs: $50-250$ ohms, -57 db ; MI.Z. -55 db. Chrome, black, swivel adapter, 15 ft . 3 -cond. cable. $51 \%{ }^{\prime \prime} \pm 114^{\prime \prime}$ dia. Shipg. wt. 24/ lbs.
44 R 75984 No Money Down* Net 61.20 Model 545. As above, but, without "on-off" switch. Amphenol type connectors.
44 R 75059 No Money Down Net 57.60 Model 545 S As above, but with swivel mount contained "on-aff" switch.
44 \& 75042 No Money Down Net 61.20 MODEL 54550-CN. Same as 54550 but with a prewired Cannon type male connector on the amplifler end of $20^{\circ}$ cable.
44 R 76123 No Money Down* Net 6420

## "UNIDYNE IV"

MODEL 54850. This member of the Unidyne family of feedbach-iree unidirectional dynamic microphones offers remarkable ruggedness and performance features such as a new long-life magnetic reed "on-off" switch incorporated into the case, improved shock mounting; wind, pop and blast filfers: oroadcast-iype Cannon XLR-3-11c connector; high flexibillty cabte, elc. Frequency: 4015,000 Hz. Dual (high and low) impedance with output of -55.5 db . swivel adapter chrnme and black case, $15^{\prime}$ 2-conductor de-

44 R 75992 Shpg. wh, $23 / 4$ lbs. Net 72.00 MODRL 548. Same as above but less "onoff" switch.
44 R 75653 No Money Down * Net 69.00 MODEL 5485. Same as above but with swivel mount contained "on-off" switch.
$44 R 75646$ No Moner Down ${ }^{\circ}$..... Net 72.00 MODEL 548SD-CN. Same as 548 SO but with a prewired Cannon type male connector on the amplifier end of $20^{\circ}$ cable.
44 R 76131 No Monev Down* Net 75.00

## 55SW "UNIDYNE II"

A dependable rugged dynamic microphone for deluxe sound systems. 50 to $15,000 \mathrm{~Hz}$ response. Unidirectional pichup prevents teedback. Three-way impedance switch. Out put levels: $35-50$ ohms. $-55 \mathrm{db} ; 150-250$ ohms, -56 db ; hi- $2,-55 \mathrm{db}$. Complete with on-off switch, swivel mount. 15 ft. cable. 73 x $2 \%$ : 3 Ko . WL. $3 \% \mathrm{lbs}$.
44 R 75018 No Money Down Net 58.80 MODEL 55S. Same as above, without on-off switch. Shpg. wt. $33 / 4 \mathrm{lbs}$.
44 R 75026 No Money Down Net 57.00

## "UNISPHERE A"

MODEL 585sA. Rugged dynamic unidirec. rional "pop"-proof unit with wire-mesh spherical screen. Feedback free. Response $53 \cdot 13,000 \mathrm{~Hz}$. High impedance. Output -57 db Chrome and blach case. Has on-off switch, adjustable swlvel stand adapter and 15 ft . single conductor shielded cable. Size: $63 / 4 \times 1$ '3." diam. 2 lbs.
44 R 75521 No Money Down* Net 45.00 MODEL 585SAC. Same as above but with prewired plug end assembly which can be used as MCIF, MCIM or phone plur.
44 R 75687 No Money Down ${ }^{*}$ Net 46.20
MODEL 505SB. Same as 585SA except low impedance, output - 59 db and 2 conductor cable.
44 R 75539 No Money Down Net 45.00 MODEL 585SAV. Similar to 585SA but Instead of on-off switch has built-in volume control to change toudness without adjusting ampilfler controls. Shpg. wt., 2 lbs,
44 R 75612 No Money Down* Net 49.80 MODEL 585Savc. Same as above but with plug end assembly like 585SAC.
44 R 75695 No Money Down* Nel 51.00

## "YOCAL SPHERE"

MODEL 5795s. Omnidirectional dynamic mic rophone with natural and intelligible voice reproduction. Ideal choice for public-address, entertaining, recording, etc. Extremely rug. ged. Has built-in wind and breath noise filters. Lockable "On-Off" switeh and a broadcast-type Cannon connector with $20^{\circ}$ two conductor detachable cable. Includes swivel stand adapter. $50-15,000 \mathrm{~Hz}$ frequency response. Low impedance. Output: -59 db . Satin chrome and gray housing. $6 \% \times 1 \%$ - diameter.
44 R 75919 Wt., 2 lbs.
... Net 45.00

## "UNIDYNE B"

MODEL 515SA. Very low priced unidirectional dynamic microphone with a highly effective cardioid pickup pattern which solves feed back and boominess. Ideal for low budget sound systems. Frequency: $80-13,000 \mathrm{~Hz}$. High impedance with output of -58 db . Has on-off switch and swivel adapter. 15 ft . single conductor non-detachable cable, Chrome and blact. case. size: $11 / 20.263 / 2{ }^{2}$. 44 R 75661 Shpg. wt, 2 lbs.... Net 27.00 MODEL 515SAC. Same but with prewired plug-end assembly for use as MC1F, MCIM, or phone plug.
44 R 75950
Net 28.20
MODEL 5155B-c1a. 18 gooseneck mounted low impedance version of Model 515SA. Ideal for language lab, paging and base statlon. Features a built-in "on-off" push-to-talk switch which controls microphone and relay circuit. 51* cable. Size: $11 / 2 \times$ $25^{\circ}$. Shpg. Wt., $2 y_{4}$ lbs.
44 R 76016 No Money Down Net 31.80
SWIVEL ADAPTER


MODEL A25日 SWIVEL ADAPIER. For Shure models 515, 545. 548, 565,580 , and 588 microphones. For use with standard desk or floor stands. Shpg. wt., 8 oz. 44 R 76164

90
VEL ADAPIER.
$515,545,548$,
microphiones.
dard desk or
wt 8 0 Net 3.90

# ElectrozooicePopular Microphones 



## 664 "VARIABLE D" CARDIOID DYNAMIC

A cardioid "Variable $D^{\prime \prime}$ (variable distance) microphone designed for top quality PA applications. Cardioid pattern provides a significant front-to-back signal ratio to suppress noise, reverberations and feedback. Allows close talking without booming bass, air blasts op distortion. Non-metallic diaphragm is shielded against dust and magnetic parficles. Resistant to exireme conditions of humidity, temperature and vibration. Response $60-15,000 \mathrm{~Hz}$. Output level- 58 db . High impedance easily lowered to 150 ohms without tools. Standard "Fe"-27 thread. Satln chrome finish die-cast case with ON-OFF 5 witch and 15 ft .2 conductor shielded cable. $17 / \mathbf{s}^{\prime \prime}$ dia. $71 / 4^{\prime \prime}$ long. Shpg, wt., $31 / 4$ lbs. 44 R 25328 No Money Down ${ }^{*}$ Net 57.00 664 G -Same as above but gold finish. 44 R 25336 No Money Down* Net 61.20 664A-Same as above but non-rellecting gray finish.
44 R 25351 No Money Down* Net 57.00

## 644 "SOUND SPOT" UNI-DIRECTIONA: LINE MICROPHONE

A combination cardioid and distributed front opening makes this the most directional microphone ever. Has better than 2.5 times the working distance of pressure types. Cancellation from the rear and sides exceed 20 do giving virtually complete rejection of unwanted sound. Migh reduction of wind noise and low sensltivity to shock. Smooth response from 40 to $10,000 \mathrm{~Hz}$. high output53 db . dual high and low impedance selectlve. Rear diameter $2 \mathrm{~K}^{\prime \prime}$, length $16^{\circ \prime}$. Cable is 16 ft . Shpg wt., $31 / 4$ libs.
44 R 25476 No Money Down* Net 78.15

## E-V OMNIDIRECTIONAL MICROPHONES



631 HAND AND STAND DYNAMIC
Migh quality entertainers microphone. Omnidirectional. Lightweight, rugged, shockproof. Effective 4.stage tilter allows closeup use without blasting, pops, of distortion. Silent magnetic on-olf switch with removable actuator button. Satln chrome case. Frequency Response: $80.13,000 \mathrm{~Hz}$. Output: -55 db . 16 ft . cable. With stand clamp. Size: $6^{\prime \prime} \mathrm{L} x$ ${ }_{13} 3_{g}$ " head dia., $3 / 4^{\prime \prime}$ shank dia. Shpg. wt., 2 lbs. No Money Down ${ }^{\circ}$
44 R. 25732 Hi Impedance ... Net 38.70 44 R 25740 Lo Impedance .... Net 38.70

## 647A Lavalier dynamic

Tiny size with big performance $70 \cdot 10.000$ Hz . High impedance. Output level, 60 db 18 ft . cable. Complete with neck cord. Size $31 / 4$ "x ${ }^{1 / 4}$ " Dia. Shpg. wt., $11 / 2$ lbs.
44 R 25195 No Money Down ${ }^{*}$ Net 57.90

## 676 CONTINUOUSLY "VARIABLE-D" 3 CARDIOID DYNAMIC

Radically new design brings professlonal quality to public address, recording, communications and other general purpcse applications. Contlnuously "Variable-0" princlple assures uniform, symmetrical cardioid pattern at all frequencies. Response 60 to $15,000 \mathrm{~Hz}$. Highest discrimination against teedback and unwanted sound. Exdusive 3 position switch offers controlled low-fre. quency 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 ciamp supplied. Rugged diecast case. Acoustalloy diaphragm. 150 ohms or HI-Z; impedance changed by new connector (no tools required). Output - 57 db. Satin chrome finish. $16^{\prime}$ cable. Stze: 73" long. " $11 / 4^{" 1}$ dla. Shpg. wt., $21 / 2$ lbs.
44 R 25229 No Money Down* Net 61.35

## 674 CONTINUOUSLY"VARIABLE D"(3) CARDIOID MICROPHONE

Thls professional microphone has the exact soecifications and all of the features of Model 676 microphone above, except that it has an on-off switch and integral stand mounting stud instead of stand clamp adap. ter. Shop, wt., $21 / 4 \mathrm{lbs}$.
44 R 25724 No Money Down * Net 61.35
TYPE 502B MATCHING TRANSFORMER

Matches 150 ohm to Hi Z amplitier. Input $30-20,000 \mathrm{~Hz}=1 \mathrm{db}$. Size $3^{7} \mathrm{H}_{\mathrm{za}} \times \mathrm{l}^{\text {" }}$ dia. Shpg. $w t . ; 1 / \mathrm{lb}$.

## 44 R 25666

Net 11.25

## SHURE MICROPHONE ACCESSORIES

## LINE TRANSFORMERS B

For connecting low impedance milies to high impedance amplifiers. Preserves high frequencies and cuts hum pickup in long lines Built-In MCIF and male Cannon type connectors. Type A95A
44 R 75414 Shpg, wt., 14 oz. Net 12.60 Model Ag5F Transformer. Same as Model A95A except input is female Cannon type. 44 R 76099 Shpg. WL, 9 oz. Net 14,40 Type agsp Same as above but with phone plug putput
44 R 75968 Shpg. wt., 11 oz . Net 13.80 Model A95FP Transformer. Same as Model A95P above except input is female Cannon type.
type. 76107 Shpg. wt., 10 oz . Net 15.60


## ISOLATION MOUNT

Provides maximum isolation from mechanical vi. brations (over 20 ob ) when used on floop stands, desk stands, conference tables, and lecture podiums. For Shure Models 545, 548, 565 and other microphones not having switches mounted in the handle. Swivel locks ill tilted positions. Fits standard $5 /{ }^{\prime \prime} \times 27$ thread. Shpg. wt., $11 / 4$ sbs
44 R 76172 Net 15.00

# LAFAYETTE Wireless Intercoms-Plug Into AC Outlets 

## "Mini" Solid State Wireless Intercom System

## 2-Stations For Only $19^{95}$

- Portable-Move From Room to Room or Between Houses - No wiring
- Push-to-Talk Button-Lock Button

A highly efficient wireless intercom system that simply plugs into standard 110 V 60 Hz AC outlets. Your valce is transmitted thru this electric power line. Talk-Lock button for monitoring baby's room or long time talhing. Solid state circuitry for instant.on communica. tion between any tooms in your home. Wide range speaker-microphone for fine torie quality. Operates on very low voltage for pennies a weeh. Each unit is a master so you can use as many intercoms as you need. High impact styrene cabinet. On/off switch -volume control. Pilot light. Size: $37 / \mathrm{aW} \times 5 \% / 20 \times 13 / 4 \mathrm{H}$, Imported. For $110 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt. $21 / 2 \mathrm{ibs}$.
99 R 46278
Net 19.95


- No Installation Required Just Plug In and Talk


## Quality Solid State Wireless Intercom System

## 2-Stations <br> For Only <br> $27^{95}$

- 4 Transistors - No Warm-Up
- Plugs Into Any 117V AC Outlet In Your Home
- Each Unit Is A "Master"- Use As Many As You Need

Solld-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 $A C$ outlet and start talking - 4-transistor circult means no warm-up time. Each unit is a "Master" with a Volume/On.Off comtrol. Push-to. Talk Bar with a "lock-bar" feature for continuous talking, and a pilot light. 2-tone gray-colored plastic case has rubber-lipped base that will not scratch furniture, Overall size $64 / 2^{\prime \prime}$ $\times 5^{\prime \prime} \times 2 \frac{1}{2 \prime \prime H}$. For $110-120 \mathrm{~V} 60 \mathrm{~Hz}$. AC. Imported. Shpg. wt., $41 / 4 \mathrm{Ibs}$. 99 R 45734M 2-Station Intercom System

Net 27.95
Extra Station. Imported. Shpg. wt.. $21 / 4$ ibs.
Net 14.55


## Deluxe 3 Channel Solid State Wireless Intercom

- For Up to 3 Simultaneous But Independent Communications Using Separate Channels
- Each Station A "Master"-Can Use As Many As Needed

Our finest and most versatile wireless intercom systems. No wiring to install, Dlug into AC outlets on the same electric line between offices, rooms and even between buildings. 3 channel désign permits using up to 3 simultaneous but independent communications using separate channels. Units operating on chamnel 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 superdeluxe wireless intercom system. Controls: Press-to-talk bar with "lock-lalk", feature for continuous monitoring, channel 1-2-3 selector. Powerful solid-state circult provides instanton operation and includes squelch for noise free operation, transformer power supply and pilot light. Handsome high im pact plastic case. 5 Jransistors, 3 diodes, 1 silicon rectifier, 1 thermistor. size each station: $5 \times 6 \mathrm{y} \times \mathrm{xa}^{\prime \prime}$. For 117 VAC 60 Hz . Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$.

99 R 46104
Net ea. 19.95


# LAFAYETTE'S Best-Selling Wired Intercom Systems DELUXE LAFAYETTE SOLID STATE 6 STATION INTERMIX INTERCOM SYSTEM 



3 Super Selective Systems Can be Hooked Up:
(1) Master to Master
(2) Master to Remote
(3) Intermixed Master and Remote

Designed to fulfill virtually every office, industrial, commercial or home intercom need. Provides complete flexibillty and versatility with 3 separate types of installations: (1) MASTER TO MASTER HOOKUP: All Master Intercom Sistem incorporates up to 6 separate master stations enabling 3 private conversations or 6 station conferences to be held. Master can inithate 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 initlate call back to Master, but cannot taik directly to other remotes. (3) INTERMIX 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 unit in the system. The maximum mamber of remotes associated with any 1 Master is 6 minus the number of Masters in the system. Soljd-state circuitry for "instant on" operation. Incorporates a balanced 40 ohm

XL- 6 MASTER
29.5

R-6 REMOTE
$11^{95}$


- Instant on Solid State Circuitry
- Balanced Input and Output to Virtually Eliminate Annoying Noise Interference
Input and output circuit design. The advantages of this type of design is that the entire system when operating is virtualiy not susceptiole to nolse interference. Master unit has 5 individual station selector slide switches, 2 position mess to talk-talk/Lock bar, and volume control. Remote unit has 2 position press to talk-talk/lock bar. Handsome walnut wood catinet with brushed aluminum finish. Includes junction box for wiring.
WIRING INSTRUCTIONS: In s'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 $71 / 8{ }^{\prime \prime L} \times 21 / 4 " \mathrm{H} \times 4 y_{4}{ }^{\prime \prime} \mathrm{D}$. For 117 VAC , 60 Mz . Imported
99 R 46112 Model XL- 6 Master. Shpg. Wt., $31 / 4 \mathrm{lbs}$.
Net 29.95
99 R 46120 Model R-6 Remote. Shpg. wt. $2 \frac{1 / 4}{}$ lbs..... Net ea. 11.95
100 FT. SPODL OF CABLE FOR ABOVE SYSTEM
Beidon 8741 -unshielded 4 conductor, vinyl insulated wire.
32 R 15787
Net 4.68


## LAFAYETTE SOLID STATE 2 STATION INTERCOM SYSTEM

Battery operated solid-state 2 -station intercom system. Especially useful where AC outiets are not readily avaliable. Complete system includes 1 Master unlt, 1-Remote unit, and $70^{\circ}$ of interconnecting cable with molded plugs for easy installation. Master unit features On/Off/Volume control plus a Listen/Talk switch. "Pep" tone signaling from either Master or remote operates even when Master is "Off". Has simple provlsion for stationary wall mounting, or, can be conventently placed on desh top. 9 -volt battery Included. Size: $2 \mathrm{H}=31 / 2 \mathrm{~W} \times 5^{\circ} \mathrm{D}$. Shpg. wt., $13 / 4 \mathrm{lbs}$.
99 R 46245 2-Station Sytem
Net 8.98
99 R 60212 Extra 9 -volt Battery
Net .29

> Complete
System 95

## - Battery-Operated

- Inter-Unit Tone Calling
- Simple Plug-in Connecting Cord
ing
$48-2$


## LAFAYETTE 4-STATION SOLID-STATE INTERCOM SYSTEM

# Deluxe LAFAYETTE 10-Station Selective Ring Selective Talk Private Telephone Intercom System 



## Bogen Telephone Intercom Systems



## WIRE REQUIRENENTS FOR BOGEN PHONES

Use 3 more unshieided conductors than the total number of phones in the system. Those listed below may be used between phones. 32 R 145253 conductor unshielded per 100 Shpg. wt. 21/4 lbs. 3.66 32 R 145829 conductor unshielded per 100 Shpg. wt. $61 / 2$ lbs. 10,95 32 R 1497012 conductor unshielded per $100^{\prime}$ Shpg. wt. $53 / 4 / \mathrm{lbs} .12 .15$ 3281495425 conductor unshielded per $100^{\prime}$ Shpg. wt. $113 / 4 \mathrm{lbs} .31 .50$ Connect PRS- 16 or PRS. IA power supplies to any junction box with a short 3 conductor cable.

## (A) TQ SERIES-SELECTIVE RING-COMMON TALK

Allows only one conversation at a time. "Conference" feature lets you talk to as many stations at once as there are receivers in the system. Two separate models are available-to handle up to 6 or 12 stations. Each phone is furnished with a snarl-proof $4 . f t$. handset coil, and a $6 . \mathrm{ft}$. master cable with junction box for simple and easy wiring. For desk or wall mounting. Phones are housed in impact resistant belge plastic. Each TQ system requires a PRS-1A Power Supply ( 117 VAC, 60 cycle). Shpg. wt., $41 / 2 \mathrm{lbs}$. per unit. 44 R 12045 TO6A 6-Station Phone tess wire

Net ea. 29.05
44 R 12052 TQ-12A 12-Station Phone less wire Net ea. $\mathbf{3 2 . 6 5}$

PRS-1A Power Supply (1 req. per system) Shpg. wt. $2 \frac{1}{2}$ lbs. 44 ค 12060 Net ea. 25.00

## (B) TSL SERIES-SELECTIVE RING-SELECTIVE TALK

Bogen TSL Phones will permit you to reach other individuats in their offices without depending upon an overburdened telephone switchboard. $100 \%$ trunkage permits as many as 8 separate conversations to take place at the same time with model TSL.16, and 4 separate conversations with the Model TSL-8. 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 a 4 ft . snart-proof handset cord, and $6^{\circ}$ master cable with Junction box. Phones are housed in impact-resistant beige plastic. One PRS-16 Power Supply required to power each system. Shpg. wt., $33 / 4 \mathrm{lbs}$. 44 R 12011 TSL. 8 station phone, less wire. Net 40.75 44 \& 12029 TSL-16 16-station phone, less wire Net 48.25

PRS-16 Power Supply (1 req. per system) Shpg. wt., 23/4 lbs.
44 R 12037 No Money Down*

- See Page 22 for Full Credit Details on Easy Pay Plan


## EMERSON-RITTENHOUSE SOLID-STATE AM/FM HOME RADIO-INTERCOM SYSTEM



## Complete System

COMPLETE SYSTEM INCLUDES 1-AM/FN Master Unit
3-Indoor Remote Stations
1-Entrance Remote Station
1 -Installation Kit with Plaster Frames For Above Equipmen AM/FM Antenna, Low Voltage Transformer and 165 tt. 3-Wise Cable

- AM-FM Master Unit Features Powerful 17 Semi-Conductor Solid State Circuitry with Tuned RF Stage For Improved FM Performance
- Radio Is Silenced Automatically When Intercom Calls Are Made From Any Station Handsomaly styled FM/AM home radio intercom system fills your home with the pleasant sounds of music, entertainment and news Intercom permits instant room-to-room communication, monitoring and door answering. Radio is silenced automatically when intercom calls are made from any station. Twelve transistors and $\mathbf{5}$ diodes with tuned RF stage for improved FM performance. Up to 8 remote stations may be connected to master. All stations are designed for buitt-in installation in walls of $2^{\prime \prime}$ or more thickness. Color coded wiring simplifies connections. Powered by U.L. Histed low voltage tcansformer (supplied). Complete system inciudes 1 RM-16 master station with off-white finish and gold trim, 3 each RI-17 indoor sta. tions, 1 RO- 14 weatherproof door entrance station, AM and FM antenna. RT-28 low voltage transformer, plaster rings for above and 165 ft . coil of 3 -wire intercom cabie. Dimensions: Master Unit-141/2
 44 R 46019. W


## AJOITIONAL STATIONS AND WIRE FOR ABOVE SYSTEM

44 R 46327 RI- 17 Indoor Remote. Shpg. wh., $13 / 1 \mathrm{lbs}$. Net 9.95 4 R 46035 RO. 14 Entrance Remote. Wt. 8 oz 6.95 32 R $14525100^{\prime} 3$-cond: Cable. Shipg. wt., $21 / 4$ lbs. Nei 3.66

## BOGEN IE SERIES SOLID-STATE 7 AND 13 STATION INTERCOMS



ALL MASTER SYSTEM: Consists of a Multiple-Conversation intercom system using up to 7 IE-7 masters or up to 13 IE-13 masters. Any master can call one or more stations. IE-7 and IE-13 masters have volume control, press-to-talk bar with dictate lack, rugged pushpush selector switches, with identlfication strips. For 120 volt AC $50 / 60 \mathrm{~Hz}$. Wiring instructions-use unshietded catile with at least one more conductor than tolal number stations in system. SINGLE MASTER-MULTIPLE REMOTE SYSTEM: CONSist's of 1 IE-7 master and up to 6 RIE-1 remote stations, or 1 IE-13 master and up to 12 RIE-1 remote statidns, Master can call one siation or several simultaneously. RIE-1 remote station can originate calls to master privately or non-privatety. RIE-I remote has press-to-talk bar and privacy switch. For $120 \mathrm{WAC} 50 / 60 \mathrm{~Hz}$. Whring requirements-use 3 conductor unshielded caple between master and each remote. Sizes of IE-7. IE-13. RIE-1 are $7 \mathrm{~K}_{0} L \times 67 / \mathrm{WWr} 43 / \mathrm{HH}$. Shpg. Wi., (IE-7 and IE-13) 33/elbs.: (RIE-1) $21 / 4$ lbs, EACH IE-7 MASTER USED IN A SYSTEM REQUIRES A JBE JUNCTION BOX. EACH IE-13 MASTER USED IN A SYSTEM REQUIRES 2 JEE JUNCTION BOXES.

44 R 12318 Model IE- $7 \quad 7$ Station Master 44 R 12300 Model IE-1 13 Station Master 44 R 12292 Model RIE 1 Remote Station 44 R 12326 J日E Junction Box 13 oz.

## SIOC WIRE FOR BOGEN "IE" IWTERCOMS




Complete System

## 32 95 No Money

- Features Plug-in Wiring for Instant Installation - Comes with Two 50 ft . Cables Down*y and Plugs
versatie system features the IN- 400 Master Station, two IN-2 Indoor Remote Stations, two lengths of 50 ft . cable. Master accepts up to four remote stations, indoor, or outdoor. Master calls any or several rooms desired. Remotes have "beep call" signal. Ivory/ brown with wood grain accents. Size: Master \& Remotes, $7^{\prime \prime} \times 31 / 2^{\prime \prime}$ $\times 2{ }^{2 \prime}$. For 117 V AC. Imported. Shpe. wi., 15 lbs.
44 R 30294W
Net 32.95
Extra indoor remote with 50 ft . cable and plug

4. R 30302 Shpg wi.. 4 lbs.

Net 8.50
Outdoor remote with 50 ft . cable and plug.
44 R 30310 Shpg. wt., 4 lbs
Net 8.50
Additional 100 ft , cable with plugs
Net 3.75

## FANON IN-600 ALL MASTER 5 STATION INTERCOM

Features plug-in wiring for "instant installation". Fully selective any station can speak to one or more other stations. Up to five stations in a system. Permits conference calls. Two separate con versations may proceed simultaneously. Includes 50 ft . multi-conductor cable with plugs. Powerful IC circuitry allows distances of 500 fL . between first and last master station. Size: $7 \times 31 / 3 \times 2^{\prime \prime}$ For 117 V AC, 60 Hg . Imported. Shpg. wt., $3 \frac{1}{4}$ lbs. (Not Illustrated.) 44 R 30278 .................... 29.95

Additional 50 ft . length of 6 -conouctor cable with plugs 44 R 30286 Shpg. wt., $13 / 4 \mathrm{lbs}$

Net 9.50
Lafayette Cat. No. 720201

## Telephones-New and Reconditioned for Private Systems



An exquisite reproduction of the classic turn-of-the century french Cradle Phone. Adds a touch of continental charm to your homeyour phone will become a conversation piece. Simple hook-up. Ideal for private phone systems or as an extension to your present phone system. Ready to use . . . equipped with bell ringer, induction coll. dial, horn, mouthpiece handset, 5 -ft. cord and plug. Finished in beautiful ivory with gold trim. Size: $81 / 2^{\prime \prime} \mathrm{L} 881 / 2^{\prime \prime} \mathrm{W} 83 /^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt. $81 / 4 \mathrm{lbs}$.
'99R 46328 No Money Down*
Net 44.95
"BONNIE \& CLYDE" EXTENSION TELEPHONE


As
Low
As

- Handsome Styling in Black With Gold Trim
- Equipped With Electronic Components Compatible To Telephone Co. Systems
Magnificent reproduction of the early phones used in the twenties and thirties. Complete with dial, ringer. induction coll, $41 / 2 \mathrm{ft}$. cord $\&$ plug. Size: $12^{\prime \prime} \mathrm{H}$ Diameter of Base $6^{\prime \prime}$. shpp. wt. 6 lbs.
44 R 24008
Net 49.95 Deluxe All-Brass Bonnie of Clyode Phone. Same as above, but all brass. Shpg. wt., $61 / 4 \mathrm{bs}$. 44 R 24016

Net stes
ERICA PHONE
 495 with $41 / z^{\prime}$ cord, buzzer, and plug
One of the most modern of all phones in use today. Add to your present phone system. Comes complete with dial. buzzer. Induction coil, and $44 / 2 \mathrm{ft}$. cord and plug. Beautiful pearl white finish. Sire : $81 / 2^{\prime \prime} \mathrm{H} \times 51 / 2^{\prime \prime} \mathrm{Lx} 4^{\prime} \mathrm{W}$. Imported, shpg. wt., 2 lbs. 44 R 24040


## DIAL PHONE

 Have Your Own Private Intercom $9^{95}$- Reconditioned
- For Telephone Systems, Intercoms, and Private Systems
Popular modern dial phone. Can be used to make complete private systems, or add to your present system. Equipment taken from service, reconditioned and ready to work. Simple 3 -wire hook-upcomplete with handset, dial bell, induction coll and connecting cable. General appearance may vary slightly from catalog Illustration. Shigg, wt., $51 / 2$ tbs.
44 मे 18018
Net 9.95
"PRINCESS-DUTCHESS" TYPE DIAL TELEPHONE


Add a touch of elegance to your decor with the "Princess-Dutchess" type dial phone. Can be used to make complete private systems or add to your present phone system. Comes complete with buit-in buzzer, metropolitan dial with numbers, ear piece, transmitter, and 6 ft . coiled cord with piug. Beautiful peari white finish. $81 / 2^{\prime \prime} \mathrm{L}$ $4^{\prime \prime} \mathrm{W} \times 41 / 2^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $37 / 4 \mathrm{lbs}$.
44 R 17010 No Money Down* Net 34.95

## GRILLO TEENAGER PHONE



The pocket mini telephone - closed it looks like a sculptured shell opens into a modern one piece telephone. Ready to use. Comes complete with dial, buzzer, induction coil, $41 / 2^{\circ}$ cord and plug. Bisque white. Imported. Shpg. wt., 3 lbs.
44 R 24057 No Money Down*. Net 49.95

## MODERN DESK PHONE



# Telephone Amplifiers, Telephones and Accessories 

## DELUXE LAFAYETTE EASY-PHONE TELEPHONE AMPLIFIER

- 4 Transistors
- No Warm-up. Instant Operation
- No Pick-ups To Cotmect
$12^{95}$
The Easy-Phone amplifier ideal for group
conversation with one telephone in the room. Easy to operate: simply place the telephone on the amplifier, :djust the volume and everyone can listen through the separate matching speaker systern, leaving both hands tree for writing or typing. The Easyphone utilizes a 4 -transistor battery powered amplifier and inductive pick-up, in an attrac. tive plastic case. Featuras separate $3^{\prime \prime}$ speaker, volume control, of /off switch. Imported. Dimensions-Amplifier Section: 8W $\times 37 / \mathrm{H} \times 3 \%{ }^{\circ} \mathrm{D}$. Speaker section: $31 / 2 \mathrm{~W} \times$ $21 / \mathrm{H}^{\mathrm{H}} \times 41 / \mathbf{s}^{\prime \prime} \mathrm{D}$. Supplied witl batteries. Shpg. wt., 2 lbs.
99 ' R $92066 \quad$ Net 12.95
Replacement "AA" Type mitterites
With Batteries

Replacement "AA" Type 自tteries 14 req.) 99 R 62580 Wt., 3 oz. Net ea. . 10

## MINIATURE "SNAP-ON" LAFAYETTE

 SOLID-STATE TELEPHONE AMPLIFIER AND TELEPHONE HEARING AID 695- Ideal-For Hard Of Hearing
- Portable - Carry It In Your Pocket
- 4 Transistor Circuitry

Mlniature portable, snap on elephone ampltfier because of its compact size can be carried in a pocket or purse. Designed to fit any modern telephone. Just insert battery (supplied) into battery holder. Attach ampliHer to the receiver of the telephone you are using-and turn up the volume control of the amplifier. IDEAL FOR HARD-OF-HEARING Specifications: 4 transistors, $\%$ dynamic
 battery and snaparound band. Imoorted. Shpg. wt. $1 / 2 \mathrm{lb}$.
99 R 92082
Net 6.95
Eveready E90 Replacement Alkaline Battery.

## 32 R 47541 Pkg, of 2 <br> Net .79



## WESTERN ELECTRIC TYPE SG-1 SOUND POWERED HANDSETS

Simple 2 way communications for miles. No batteries required. Just consect phone chps to two conductor wire. Excellent for Priva e Intercom System, Construction, TV Installer, Motels, or Camps etc. Any number of handsets can be instailed on one line. Complete with retractable cord and alligator cilps. Shpg. wt., 112 ibs
44 R 18034 Net ea. 9.95 Set of two Handsets with :00 ft. of 2 Conductor inside-Outside Wire, Shpg. wt., 4 lbs. 44 R 18042

Net 18.95


## NEWI DUAL PURPOSE TELEPHONE JACK-IN-A-PLUG

ONLY
19

- Connects Two Phones To One Jack


Unique telephone plug contains Built-in jack. Enables 2 phones to be connected from a single Existing jack, No reduction of power. Meets phone company regulations, Imported. Shpg. wt., $6 \mathbf{o z}$. 44 R 19016

Net 1.19

## "LISTEN-IN" DUAL TELEPHONE DEVICE



Just snap "Listen-In" over earplece. 2nd listener simply presses recelver of "Listen- $1 n$ " next to his ear and he is ready to listen in on conversation. Teenagers can use listen-in for extra "Party-Lfne" fun. Imported. Shpg. wt., 1/2 10.
44 R 27019
Net_1.99

## 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 intercom 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. W1., 3/4 lb. 99 R 45.395Net 2.49
TELEPHONE PLUGS AND JACKS
44 R 60036 Phone Plug (Imported) 3 oz. .... Net . 59 44 R 60028 Phone Jack (Imported) 6 oz. ... Net .59 100 Feet 2 -Conductor Twisted pair-unshielded telephone wire. 6 oz . 32 R 13030

Net 2.94

## TELEPHONE OUTLET KIT



Complete felephone outiet kit with telephone jack, mounting bracket, and wall plate for standard outlet bow. Flush mounted.
44 R 86007 shpg. wt., 6 oz
Net 1.49
3 AND 4-CONDUCTOR COILED CORDS
As low as
29

- Terminated with Spade Lugs on each End
4 conductor coiled cord extends to 5 feet. retracts to 10 inches. All four conductors are vinyl insulated and terminated with metai spade lugs at each end. Ideal for telephone, push-to;talh microphone, headphones and many other applications. Imported. Shpg. wt., 3 oz. 99 R 46005
3 Conductor Coiled Cord. Same as above but only 3 conductors.
$99 R 46013$ Net 1.29


## Telephone Recorders, Telephone Amplifiers, and Accessories

## DELUXE CROWN CTA-4450 TELEPHONE ANSWERING AND RECORDING MACHINE

- Direct In-Line Coupling Facilities

Messages

- Built-in Cassette Recorder for Incoming Messages
- Incoming Recording Time Can Be Set At 30, 60, or 90 Seconds
- Outgoing Message Recording Time-23 seconds
- Can be used as an Outgoing Message Repeater

Crown's finest telephone answering and recording machine. Completely self-contained with bulit-in cassette recorder. Features direct in-line coupling-the 4450 can be plugged directly into the phone line, bypassing the phone itself. Or, you can have indirect connections with the phone itself by using the accessory phone cradie tions with the phone itsef by using the accessory phone cradie
(included). Incoming Messages are recorded on 60 or 90 minute cas(included). Incoming Messages are recorded on 60 or 90 minute cas-
sefte Tapes. Recording Time per incoming call can be set. 30,60 , or 90 seconds. Beep tones will let the caller know his message is being recorded. Outgoing Messages are recorded on a separate 23 second lape (included). The 4450 is completely pushbutton operated and is mounted in a handsome wood grained-cabinet. Other important features are: Automatic Record Level Control, and 3 digit tape counter
 60 Hz . imparted.
27 R 72184 W No Money Down ${ }^{2}$ Shpg. wt., 18 lbs. Net 249.95 27 R 72192 Extra 23 sec. outgoing Message Tapes... ea. 4.95 Accessory Cassette Recording Tapes
28 R 01223 Lafayette 60 Min . Cassette. Imported.... Net 1.19 28 R 01207 Lafayette 90 Min. Cassette. Imported.

Net 1.99

## CROWN CAD-8 AUTOMATIC SOLID STATE TELEPHONE DIALER

## ONLY <br> $139^{95}$

- Solid State Circuitry
- Built-in Telephone Amplifier For Incoming Calls
- Automatically Dials up to 26 numbers

A solid state automatic telephone dlaling system using regular telephone sackets for easy installation to your telephone. The CAD-8 memorizes up to 26 telephone numbers (Up to 13 digits for each number). Simply select the persons code number ( 1 to 26) and push a button. The CAD.8 automatically dials the number and connects with the person you are calling. For business discussions or family messages, a flip of a switch amplifies the call, allowing everyone to hear the conversation. Telephone operates normally for incoming calls, and for numbers not coded. Preset numbers can be changed simply. Easily operated by one hand. Housed in a low profile, decorator styled walnut cabinet which sits flat on any desk or table. A complement to any home or office. Size: $11^{\prime \prime} \times 55^{\prime} \times 16^{\prime \prime}$. For 110 VaC 60 Hz . Imported. Shpg. wt., $111 / 2 \mathrm{lbs}$. 44 R 41002W

Net 139.95

## out $249^{95}$

with Dynamic Mike,
Phone Cradfe, 60 Minute Cassette Tape, and 23 second outgoing Message Tape


Records Incoming Messages Up To 1 Minute In Duration With Any Tape Recorder with a Remote Control Mike Input


Mini-Tape Recorder-one lever control for record or playback. Built-in continuous Loop Tape provides efficient method for recording messages. Ideal for businessmen, secretarles, housewives, and students. Records up to 30 seconds. Eiases for over and over re-use. Rellable solid state circuitry. Built-in mike and speaker. Operates on $1{ }^{~ " ~} 9 y^{\prime \prime}$ and 1 " $C$ ', battery (included). Size: $31 / 4^{4}$ oval by $6 \%, 4 H$. Imported. Shpg. wt. $11 / 2 \mathrm{lbs}$.
44 R 19008
99 R 62572 Extra " C " battery 1 req.
99 R 62012 Extra 9 volt battery 1 req.
Net 16.95
Net ea. . 16 Net ea. . 29

Use with phone cradle (included) or can be plugged directly into phone line using optlonal RC-4 Direct Line Adapter, Answers phone callers with up to 60 second prerecorded message. Incoming phone calls with optional recorder attached are recorded for up to 1 minute in duration. Can be played back at a later time at your leisure, Can also be used as message repeater. With AC/DC remote control terminal, recording switch, and buitt-in mike. For 110VAC, 60 Hz . Imported.
27 R 72143 w Shpg. wt., $103 / 4 \mathrm{lbs}$.
Net 89.95
27 R 72150 Model RC-4 In-Line Adapter Wt., $3 / 4 \mathrm{ib}$. Net 19.95 27 R 72101 1-Minute Message Tape For 4100 . Net 4.95 Lafayette RK-65 Cassette Tape Recorder for incoming callsilmported. 99 R 15828 L . Shpg. wt., 4 Ibs.

Net 19.95

## CROWNSCRIBER CASSETTE DICTATING/TRANSCRIBING MACHINE New Low Price $149^{55}$ <br> 

with foot pedal, head set. remote control mike, dust cover

## - Seven Second Repeat feature

Solid State Cassefte dictating/transcribing machine with a 7 second repeat fealure. Patented foot pedal control starts and stops the "Crownscriber." In stop position, the transcriber can repeat the last 7 seconds of the message. Pushbutton controls for record. rewind, forward, fast forward, stop. Uses standard size 30. 60. and 90 minute cassette tapes. For transcribing, a remole control start/ stop mike controls the Crownscriber. Size: $11^{\prime \prime} \times 11^{\prime \prime} \times 51 / 0^{\prime \prime}$. Shps. wt. $141 / 2$ lbs. For 117 VAC 6 volts. Imported.
27 R 72176 WX No Money Down ${ }^{-}$
Net 149.95

## Telex Headphones and Microphones



## TELEX TELESET

(A) Lightweight (8 ounce) headsets tallored to the requirements of radio operators, and all general work. Fine stainless steel and plastic design delivers high sensitivity and faithful sound reproduction. Freq. Resp.; $50-10,000 \mathrm{~Hz}$. 5-ft. durable vinyl-covered cord. Shpg. wt., 1 to. 40 R $59010 \mathrm{imp}, 2,000$ ohmen Net 18.50 40 \& $5902 \mathrm{Imp}, 500-600 \mathrm{ohms}$ Net 18.50 Soft foam plastic cushions. Wt. 6 oz . 40 R 5 6036 One pair ACT. 2

Net 1.28

## TELEX MONOSET

( 8 ) An under-chin headset ldeal for secretarlal office dictating machine use and private listening to radio, TV and recordings. Anodized aluminum tone arms are fully ad. justable and weigh only 1.2 ounces. Frequency response: $50-5.000 \mathrm{~Hz}$. Single detachable 5 ft . cord with standard phone plug elimi. nates tanglling. Shpg. wt. 7 oz .
40 R 59044125 ohm model MMV-2 Net 9.75 40 R 590512000 ohm model HMY- 2 Net 9.75

## TELEX DYNASET

(C) This lightweight headset is excellent for every kind of communication use, including office equipment, radio, TV and commercial applications. A magnetic oriver element provides clear reproduction. Sound travels through 5 ft . tubine. With phone plug. Frequency Response: $50-5,0100 \mathrm{~Hz}$. Shpg. wt., 7 oz.
40 R 59059 Model MUP-01
Net 12.65

## TELEX TWINSET

(D) Banishes bothersome sar pressure. Tubular sound arms pipe sipnal to ears. Only 1.6 oz . Complete with 5 ft . cord and standard phione plug. $\operatorname{shpg}$. wi. 7 or.
40 R 59085500 ohms HTW-2....Net 15.65 40 R 590931000 ohms HTX-2 Net 15.65

TELEX PERSONA-PHONE


Persona-Phone allows personal listening in churches. Ifbraries, auditoriums, museums, exhibits, efc. Individust volume controls allow the listener to adjust to his own heating without annoying nearby persons. Each unit has two shell type earsets which slip comfortably over the ear Beige colored earsets weigh less than $11 / 2 \mathrm{oz}$. and are equipped with $5^{\circ}$ cords. Units may be used with sound systems providing 70 volt, 25 volf or 8 onm outputs. Size: $43 / 4$ 'W $\times 37 / a^{\prime \prime} \mathrm{H}$ x $2 \%{ }^{\prime \prime}$ "D. Shpg. wt., 4 lbs.
40 R 59507 Y No Money Down*

## TELEX TELE-FI

(E) Fidellty "in depth" with orly 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 applicatlons. A perfect leisure listening set for individuals with a hearing loss. 5 ft . flexible cord included. Shpg. wt. 6 oz. 40 R 5510115 ohm HFR-91 40 R 53119125 ohm HFV. 91 40 R 59127500 ohm HFW-91 40 冈 591351,000 ohm HFX-91

Net 5.95

## TELEX 600 SERIES MAGNETIC BOON MIKE HEADSETS

(F) Dual magnetic headsets with removable ear cushions. light In weight-yet very rugged. Choice of 600 or 2000 ohm headphone impedance, "With 250 ohm ncise cancelling dynamic boom microphone. \& With High 2 cesamic boon microphone, All with 5 it. cord and slandard $1 / 4=$ Phone Dlugs. Averaga shpe wt. 1 to.

| Stock No. | Type | Impedance | Net |
| :--- | :---: | :---: | ---: |
| $\mathbf{4 0}$ R 59374 | * $600-1$ | 600 ohm | $\mathbf{1 9 . 9 5}$ |
| $\mathbf{4 0}$ R 59390 | $\$ 600.3$ | 600 ohm | $\mathbf{2 1 . 9 5}$ |

## TELEX MAGNETIC PILLOW SPEAKER

(G) Ideal for radio or TV. Enjoy private tistening in bed or in a chair without disturbing ethers. Great for late listening. Only $21 / 4 "$ diameter and 5 s/" thick. Maroon waterproof plastic. Complete with 5 ft . cord and standard phone plug. Shpg. wt., 6 ot .
40 R 592342000 ohms SMY-2A
Net 8.85

## FULL FIDELITY MUSIC HEADPHONES



Designed For Music Appreciation Courses, Electronic Instrument Lessons \& Libraries

Tetex 820 Series Headphones offer out standing versatility and value. Frequency response of $50-18,000 \mathrm{~Hz}$. Light-weight and attractively styled in brown with white trim and vinyl protected spring stzel headband Monaural version has 4 -ohm impedance, six foct white cord and two-circuit phone plug. Stereo version has 8 -ohm impedance, six foot brown cord and three circuit plug. Shpg. wt., 1 lb
40 R 59499 Monaural
Net 9.95
40 R 59499
40 R 59481 Stereophonic
Net 9.95
Net 9.95

## TELEX TV LISTENER

(H) Cord ctips allow simple and safe attach ment to any radio or TV . The control switches turn the radio of TV speaker on of off and control the volume through the earset. Listener complete with one earset, 15 ft . listener cord, and 4 ft . earsel cord. Shpg. wh, 14 oz.
40 R 591921 CP- 90
Net 9.95
Extra eardiece ELV-98. Allows two to listen at once. shpg, wt. 4 ot. 40 R 59333

Net 2.95

## TELEX DYNAMIC PILLOW SPEAKER

(1) New dynamic minlature pillow speaker gives the ultimate in tonal quality without distortion. For indlvidual and institutionat use. Safe and no complicated wiring necessary. Stainless steel, molsture proof housing. Size: $3 x_{4}$ "D. $11 / \mathrm{s}^{\prime \prime}$ max. thickness, Comptete with a 5 ft . cord and standard phone plug. Shpg. wt., 12 oz .
40 م 592013 3.2 ohms SDN-2A Net 8.85 40 R 5921 10,000 ohms SDM-2A Net 11.80

## TELEX ACCESSORY CORDS



5' accessory cords with standard phone plug on one end and Telex connector on other. May be used with illustrations D or I. † May be used with B or E. Shpg. wt., 402.
stoch No. Description

Net
40 Ŕ 39259 CCM. 2 Coiled Cord
40 R 59267 CMM-2, Straight Cort 2.25

40 R 59275 CCT 2 , Coiled Cord 2.25
3.25

40 R 59283 CMT- 2 , Straight Cord 2.25

## TELEX 1200

 FOR LANGUAGE LABS- Meets All Language Institute \& Governmental Specifications Deluxe headset with boom milhe designed for tanguage laboratory use. Dynamic headphone response is $20-20,000 \mathrm{Mz}$. Dynamic boom noise-cancelling microphone response 100 8000 Mz . Headset impedance 600 ohms. With $1 / 6^{\text {" }}$ phone plus. White with grav irim Shpg. wt., $13 / 4$ los.
40 n 59457 Telex $1200-42$
Net 33.25
Headset onty, less boom mike.
40 R 59465 Telex $1210-04$
Net 24.95


# Hearing Aids，Headphones and Pillow Speaker 

## SUB－MINIATURE HEARING AID

## BEHIND．THE EAR HEARING AID



## Lightweight！


－ $25 / 8 \mathrm{Lx}$ 15／8Wx $5 /$＂$^{\text {＂} D}$ Only 2 ounces！


A fine unit combining good performance，and very small size
－Complete with Battery Charger， 2 Rechargeable Nickel Cadmium Batteries and Case 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 $1 / 2$ of one ouncel Sound travels to the ear through a clear tube．Independent on－off switch and volume control．Operates 8.10 hours on a rechargeable nickei cad－ mium battery and $80 \cdot 100$ hours with a non－rechargeable mercury cell．Complete with a handy battery charger capable of charging celis overnight．Imported．Shpg．wt．， 9 oz．
99 R 90722 L No Money Down ${ }^{\text {• }}$
Net 62.95
32 2 47467 Rechargeable nickel cadmium cell for above ．．．．Net 1.44 32 R 46653 Pkg．of 6 Mercury cells for above ．．．．．．．．．．．．．．．．．Net 1.95

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 peo－ ple can both see and hear the program with the loudspeaker cut off．Tops for enjoying the late－late show without disturbing the rest of the household or the neighbors．
FOR HARD－OF－HEARING．Hear without turning the set volume so high that others can＇t stand the noise．It is possible to Ilsten 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 lacks so either 1 or 2 ear phones can be connected．Supplled with a miniature dynamilc ear－ phone．Highly sensitive and efficient．Complete with 1 earphone with 3 ft ．of cord and plug and control box with 20 feet of cable．Only $37 / 8 \times 2 \times 11 / 2^{\prime \prime}$ ．Instructions included．Shpg．wt．， $11 / 4 \mathrm{lbs}$ ．
13 月 09012
Net 6.50
EXTRA EARPHONE．SHPs wt．， 3 oz.
99月 2548：
Net ． 59
10＇EXTENSION CORD for above．
99 R 25496 Shpg，wt．， 3 oz.
Net ． 59


## LaFAYETTE HEADSET

2
29
－ 4000 ohm DC Resistance
－Double Permanent Magnet

A real bargain－the convenience and advantages of earphone Ilsten－ ing at an especially low price．This is an extremely efficient，double headset with adiustable headband for private listening or for greater Intelligibility when there are distracting sounds and external noise． 4,000 ohms DC resistance．Has durable permanent magnets，remov． able earplece and $31 / 2$ feet of extension cord terminated with stand－ ard headphone tips．Imported．Shpg．wt．． $4 / 2 \mathrm{lb}$ ．
99 月 25041
CLEVITE－BRUSH HEADPHONES $22^{00}$
Medel Ba－200－1．Rugged，senslive， impedance， 45,000 ohms．Response， $100-8,000 \mathrm{~Hz}$ ．With $5^{\prime}$ cord and head． band and phone plur termination． 40 R 80016 Shpg．wt．， $11 / 2$ lbs．
 22.00 Model Baz00－S．Same as above but wired for stereo use．Impedance， 90,000 ohms．With eyelet terminals．
40 R 80024 Shpg．wt．． 142 Ibs．

## Miniature Earphones \& Headphones

## thememe

- Detachable Plug-in Cord
- Flexible Plastic Support
- Excellent Sound Reproduction A sensitive dynamic earphone of exception. afly fine quality. Lightweight, corvenient and comfortable to wear. A flexible polyethylene support halds the receiver securely
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## EXTENSION CORD FOR MINIATURE EARPHONES

Perfect for extending earphone from transistor and portable radios. 10 ft . extension cord has $1 /$ al $^{\prime \prime}$ dia. miniature plug at one end and enclosed sochet on the other which accepts $1 / 4$ dia, plug. Cable comes in attractive light pink color. Imported. Shpg. $\begin{array}{ll}\text { WI. } \\ 99 & 020 . \\ 25496\end{array}$

Net .59


## C.F. CANNON HEADPHONES


"CANNON-BALL" DOUBLE HEADSET
Low-priced, lightweight, with powerful Alnico $V$ magnets and double colls. Adjustable vinyl covered steel headband. $41 / 2 \mathrm{ft}$. cord. With pin tips. Type AM-15-2-2000 ohm DC, with standard phone plug,

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Single efficient phone with spring steel headband and $4, / 2 \mathrm{ft}$. cord. Shpg. wt., 602.
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Bakellite phones, double coils, alnico magnets and vinyl covered headband. Diaphragm diameter $2 \%{ }^{\prime \prime}$. $\qquad$ Net 3.70
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Extra efficient construction and $\boldsymbol{a}$ powerful magnet provides exceptional performance. Ideal solution to the problem of low output in transistor circuits. You'll be amazed at the difference in vol ume, as well as its quality of reproduction, when you use this dynanic earphone. AC impedance 6700 ohms. DC resistance 3000 ohms. Snap on ear. plug. Complete with 3 ft . detachable olug-in cord with miniature $1 / \mathrm{m}^{\prime \prime}$ diameter plug. imported. Shpg. wt., 202. 40 R 18010 ..................................................................................... 2.5

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99 日 25488 \%" dia. plug
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Binaural magnetic units are equipped with two separate transducers and cord sets for true dual-channel reproduction. Extremely sensitive, sound is carried through plastic tubes to earpieces. Hinge permits adjustment to desired spacing. Complete with $1 /{ }^{\prime \prime \prime}$ dia. plugs. Imported. Shpg. wt., 6 oz
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## Assemble 150 Interesting Electronic Projects

\author{

- 100\% Reusable Components <br> - No High Voltage or Soldering <br> - Sturdy Compact Wooden Case <br> - Detailed Instruction Manual
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Will ampllfy 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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Electrify your guitar with this gultar amplifler module. Complete solid state circuitry ready for immediate use as a sensitive and efficient guitar amplifier. Use with: A, G, $N, Y$ and $D D$ below.
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| . 33 | Holder for B |
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| . 99 | Speaker, PM, 8 ohm, 3** |
| 5.95 | Speaker, PM, 8 ohm, $8^{\text {c }}$ |
| 3.59 | Speaker, PM, 8 ohm, $6^{-}$ |
| . 34 | Switch, SPSI, On-Off |
| 24 | Switch, SPST, Push-Button, Momentary, NO. |
| . 63 | Switch, SPSI, Momentary, NC |
| 1.41 | Switch, 4PDT |
| 2.50 | Telegraph Key |
| 1.89 | Microphone, Guitar Contac |

## Stock No. Price

$\begin{array}{ll}\text { O. } 99 \text { R } 45106 & \text { 1.95 Microphone, Lapel Crystai } \\ \text { P. } 99 & \text { R } 45437 \\ \text { 2.49 }\end{array}$
P. S9 R 10340 2.49 Microphone, Hand Held/Dest Grystal
a. 1.49 Telephone Pickup Coil
S. 32 R G6194 . 17 \# 47 Pilot Light Bulb
T. 32 R $28053-29$ Socket for $\$ 47$ Bulb
U. 32 R $22510 \quad .74$ Polentiometer, 5,000 Ohm/SPST Switch
w. 32 R $22544 \quad .74$ Potentlometer, $1 / 2$ Megohm with Switch
Y. 32 R 22551 . 74 Potentiometer, 1 Megohm with Switch
Z. 33 R 11552 1.17 Potentiometer, 2 Megohm

AA. 32 R 13071 1.17 Microphone Cable, Shielded (Cut to 3 fl .)
BE. 32 R 31909 . 49 Wire, Antenna (Cut to tess than 10 ft.)
CC. 32 R 24052 . 15 Knob, Minlature

DD. 32 R 24185 .17. Knob

## Mod-u-Kits-Educational,Useful, And Fun to Build



## (A) AM broadcast radio Kit

Learn as you build this fun-giving AM broadcast radio. Ingenious solld state circultry uses a novel 2 transistor audio-reflex circuit with diode detection. Gives high gain at very low current drain. Complete with all parts. case, earphone and instructions. Supplied with matching transformer to permit use as an AM tuner. Powered by zingle 9 volt battery. $3 \times 2 \times 11 / 4^{\prime \prime}$. Shpg. wt., 7 oz .
19R 70029 less battery ........ Net 4.95 99 R 60212 battery ........................ 29

## (B)

## AIACRAFT RECEIVER KIT

Listen to airplane to ground communications. Will pick up and ampliily the strongest sig. nals in its vicinity in the 100 to 200 MH (z range. Has 3 -stage high gais amplifier. Clr. cultry incorporates a passive detector that does not radiate signals. Does not interfere with aircraft navigational systems. Telescoping antenna. Supplled with earphone. Unplugging earphone disconnects power. Powered by a single 9 volt betterv. DC Size: $3 \times 2 \times 1 / 4 /^{\prime \prime}$. Shpg. w1., 6 oz .
19 R70086 Less Battery 99 R 50212 Battery

Net 5.95
Net 29

## (C) AM WIRELESS MIKE KIT

Transmits through any standard AM radio. Can be located up to $50 \cdot \mathrm{ft}$. away from set, Basic 2 -transistor circuit. Frequency varied by tuneable coil. Complete with crystal mike and telescoping antenna. Size: $3 \times 2 \times 11 / 4^{-m}$. Shpr. wt., 6 oz.
19 R 70094 Less Battery -... Net 7.95 99 R 60212 9V Battery Net .29
(E) INTRUDER SOUND-LIGHT ALARM KIT Novel security device detects intruders. Sounds picked up in room or house by microphone included and sensitive amplifiez turns on light or sounds alarm, Sensitivity control sets noise threshold. Housed in walnut finished aluminum case. Size, $5 \times 4 \times 21 / 2^{\prime \prime}$. IS R 70219 Shpg. wt., 1 lb...... Net 19.95 Electric Alarm Bell 110 VaC for above. 99 R 50235 Shpg. wt.. $1 \mathrm{ib} . . . . .$. Net 2.95 Line cord for bell. Wh. 40 oz. 12 R 39011 $\square$ Net
.39

## (G) PROXIMITY

An alarm at the touch of the hand! The Proxinity Switch kit when properly built can be used as a special light alarm and night light. Can control devices using uni versal type motors up to 2 amps , and can

## (D) 5.WATT UNIV. AMPLIFIER KITT

Excellent as a portable amplifier, guitar asplifier, etc. Complete with all parts, case, volume control, and instructions. Works on a 6 -volt battery or power supply, Will accept almost any type of pickup device, i.e., phono cartridge tuner, eic.; will wort with any ${ }^{3-}$ ohm to $16-0 \mathrm{hm}$ PM speakers. $3^{\prime \prime} \times 2^{\prime \prime} \times 1 / 3^{\prime \prime}$. 19 R 70011 Shpg. wt., 7 oz . .... Net 5.95

## FM WIRELESS MIKE KIT

Transmits your voice to be picked up by any standard FM radio. 2-transistor circuit with an audio modulator and R.F. oscillator. Frequency controlled by external trimmer condenser. Complete with mike and telescoping antenna. Size: $3 \times 2 \times 11 / 4^{\prime \prime}$. Sipg. wt. 602
19R 70102 Less Battery .........Net 8.95 99 R 60212 9V Batt

Net 29

## SWITCH KIT

trigger off an alarm when used with a special transformer and AC supply. Touching a door knob or other chosen part switches circuit on! $4 \times 3 \times 1 / \%^{\text {" }}$
18 R 70045 Shpg, wt., 3/4 Ib.... Net 6.95

MOD-U-KIT PSYCHEDELIC LIGHT KITS

## FREQUENCY CONTROLLED 3-CHANNEL PSYCHEDELIC CONTROL CENTER KIT

## $24^{95}$

- Frequency Controlled 500 Watts Per Channel - 1500 Watts Total A 3-channel sound to ligbt control center providing frequency separation of the incoming sound into 3 parts: low frequencles 60 Hz to 1 kHz , medium irequencies - 1 kHz to 3 kHz , high frequencles -3 kHz to 15 kHz . Uses triacs to control 500 watts of light per channel for a total of 1500 watts. Each channel has its own sensifivity control and an $A C$ outiet. Onfoff neon panel indicator. Size: $5 \times 412 \times 21 / 2{ }^{-1}$.
19 R 70185 Shpg. wt., $11 / 2$ ibs. Net 24.95


## 3-CHANNEL PSYCHEDELIC CONTROL CENTER KIT




- Responds to Intensity of Sound - Provides 500 Watts Per Channel 1500 Watts Total
Converts audio signals to 1500 watts of avaitable external psychedelic lizhting. The audio input signal is directly applied to 3 separate SCR's. Has 3 individual sensitivity controls for 3 separate channels each capable of accommodating 500 watts of external light. Housed in walnut finish aluminum case. Size $5 \times 4 \times 21 / 2^{\prime \prime}$.
19 R 70169 Shpg. wt., $11 / 2$ Ibs. Net 12.95


## WIRELESS SOUND TO LIGHT NEW!

 $12^{95}$ 1. 1- Requires No Connection To Equipment - Controls 500 Watts of External


## Psychedelic Lighting

Converts the thythm and intensity of any sound, voice or music to psychedelic light keying signa.s. Extremely sensitive mierophone included and high gain amplifier with sensitivity coatrol, responds to all sounds anywhere in the vicinity. No wire hookup needed. Will modulate sound up to 500 watts of external lighting. Size: $5 \times 4 \times 21 / 2^{\prime \prime}$. Shpg. wt. $11 / 2$ lbs.
19 h 70227

## SOUND TO LIGHT CONVERTER KIT

- Supplies 100 Watts of Psychedelic Ughting!


Accepts sound from any radio, hi-fi, phono or any amplifier and changes these direct audio signals to light keying signals. In addition to 4 colored pilot Hght indicators plugged into the unit, an $A C$ socket supplies 100 watts of external psychedelic lighting which varies with the sound. Shpg. wt., 1 ib. 19 R 70151


## ELECTRONIC STROBE KIT

- 100 Watt Incandescent Lamp Strobe

This electronic strobe converts a 100 watt Incandescent bulb into a strobe type fighting unit which gives eerie stopmotlon and lightburst effects for light shows. An adjustable frequenc: audjo oscillator and SCR circult controls the lamp. The pulsations can be varied from fast to a one pulse per second slow rate.
19 R 70177 WL, 2 ib.
Net 9.95


# EICOCRAFT Solid-State Kits 



# NO TECHNICAL KNOWLEDGE OR EXPERIENCE NECESSARY 

- Ideal For Science Fair Projects - All Solid-State Circuitry

AS LOW AS

- Pre-Drilled, Copper-Plated Etched Printed Circuit Boards
- Comprehensive Step-By-Step Instructions


## MINI COLOR ORGAN KIT



EC-3000. Converts your favorite music to an entertaining display of multicolor red, blue and green 3 dimensional patterns varying to the ampli. tude of the sound source. Molded plastic cabinet has $8 \times 8^{\prime \prime}$ viewing screen. For 115 VAC 60 Hz . Shpg. wt. $14 /$ tos.
19 R 66183
Net 14.95

## - TREASURE FINDER KIT $9^{95}$

EC. 1900 Battery operated beat-frequency metal locator can be used to locate both ferrous (Iron, steel etc) and non-ferrous (gold, sllver, copper) metals. Has two RF osciliators and search loop. Distinctive audio varlations in tone indicate the oresence of buried metal objects over a wide area. Use with A. Shpe. wt., 6 oz. 19R 65100

Net 9.95

## CODE OSCILLATOR KIT

Ec. 1000 Two transistor code practice oscillator produces strong. sharp tones. Can be used as monitor by paralleling an existing transmitter key. Other uses as bicycle horn. doorbell, entry signaller, etc. Use with B, D and E. Shpg. wt., 4 oz.
19 R 66050
Net 2.50

## ELECTRONIC BONGOS KIT

EC-1600. Electronically produces exciting percussive sounds of bongos, tomtoms, bass drum, marimba, gongs, etc. when used with amplifier and speaker. Ideal accessary for use with electronic guitars. Mounts on or near instrument. Use with B. Shpg, wt., 5 oz. 19 R 66084

Net 7.95

## 2 STATION INTERCOM KIT

EC-3100. Sensitive battery-operated 2 -station intercom system for room-to-room and frontdoor communication. Master and remote stations have beep-tone call signat. Kit Includes battery, $50-\mathrm{ft}$. wire, and plastic cabinets.
18 R 66191 Shpg. wt., 1 lb. Net 10.95

## VOICE-OPERATED SWITCH KIT

EC-1300. An audio-activated relay amplifler for audio remote control of such devices as tape recorder, radio, TV, etc. ACtluated by music as well as voice. Provides variable time delay (adjustable). Use with B. Shpg. wt., 6 oz .

19 R 66167
Net 8.95

ELECTRONIC STROBELIGHT KIT


NEW!

EC- 3804 Xenon strobe light to provide the haleidoscopic audio lighting now in use by combos, discotheques, etc. Has adjustable flash rate control. Ideal for home entertainment, decor and display use. Easy-to-build. 19 R 66225 Ship. wt., $14 / 4$ Ibs. Net 19.95 $19^{95}$

## "VARASPEED" MOTOR CONTROL

 KIT$13^{95}$


EC-3600. Varies and controls the speed of power tools and appliances having AC/OC Motors. Handles up to 10 amps in a smooth continuous manner from 0 to full RPM. Has 3 position "Variable-0ff.Fuli Speed" switch. Fused, with 3 wire receptacles and 3 ft . heavy-duty line cord. For 115 VAC 60 Mz .
19 R 66209 Shpg. wt., 12 oz. Net 13.95

## ELECTRONIC ORGAN KIT



EC-2000 Battery operated one octave (8 tones) electronic organ Supplled with a bulit-in preamplifler. Has outputs for mellow, bright or flute-like tones. Iwo or more can be played in harmony to produce chords. An excellent multitone audio generator for testing. Use with A. Shpg. Wt., 6 oz.
19 R 66118 ................................. 9.95

FM standard broadcast radio or tuner without any Interconnecting cables. Broadcasts on vacant frequency in FM band. $90-100 \mathrm{MHz}$. No license or age requirements. Use with A. Shpg. wt., 602.
19 R 66019
Net 9.95

## HI BAND POLICE AND FIRE CONVERTER KIT

EC-2900, Convert your standard (car or home) AM radio to receive police. fire, marine and weather broadcasts in the $\mathbf{1 5 2 - 1 7 4}$ MHz VHF band. Inductively coupled without interconnecting wires, Use with A. Shpg. wt., 502.

19 R 66134
Net 7.95

## AUDIO POWER AMPLIFIER KIT

EC-30e. General purpose 2 -watt audio amplifier. Accepts microphone, phono cartridge, radio, recorder and other high-tevel inputs. Two used for stereo. Handles one or more speakers for intercom. PA. or long distance halling. Use with $B$ and E. Shpg. wt., 502. 19 R 66021

Net 5.95

## ELECTRONIC "MYSTIFIER" KIT

EC-700. A fascinating "do nothing" relaxation oscillator circuit of 6 blinking lights whose random geometric sequence of blinks you control. An Ideal conversation piece for desk, den or mantle. Use with C. Shpge wt., 5 oz.
19 R 66035
Net 4.95

## EICOCRAFT KIT ACCESSORIES

A. 99 R 60212 Battery, 9 Volt
B. 32 R 48184 6V. Lantern Batt.
C. 32 R 48515 Battery, 90 Volt
B. 99 R 25546 Telegraph Key
E. 99 R 603943.2 R, $21 / 2^{\prime \prime \prime}$ spler.

Net . 29
Net 1.13
Net 2.98
Net 75 Net . 99

## Educational Science Specialties

## GILBERT TRI-LAB-PAK 3 SCIENCE KITS IN I!



- Includes Chemicals, Specimens and Apparatus

Ideal for fascinating hours of microscope observation, chemical experimentation and geological exploration by the junior scientist. Complete Instruction manual explains manufacture of inks, soaps, and dyes, chemical experiments, geological procedures and mineral identification and techniques of the microscope. Equipment for over 195 experiments includes: illuminated die-cast metal 75x microscope, siides, 9 bottles of chemicals, test tubes and rack, alcohol lamp with blowtorch, mineral specimens and identification wall chart, geolibglsts hammer, and other assoclated lab testing apparatus and tools uttized in laboratory experimentation. Comptete with detalied inistructlon manual. Shpg. wh., 5 lbs.

## 19R34090

## WEATHER STATION KIT


un to erect and fascinating to use, this weather station kit opefates with flashing neon lights to show wind speed and direction on indoor indicator board. Incfudes a sensitive air tank barometer with $4-\mathrm{ft}$. in dicator column, a sling psychrometer to measure relative humidity, rain gauge with scale calibrated to measure $1 / 100$ th of an inch rainfall, cloud chart, weather map and forecasting manual. 150 ft . wire supplied enough for a 2 -story hcuse. Safety power cord. All connections safe to touch. Shpg wt., 3 3/4 lbs.
19 R 30023
SKY ROVER CRYSTAL RADIO KIT


## $3^{00}$

Easy to assemble, brings in loud, clear reception. Precision wound tuning coll, supersensitive crystal, bakellite cabinet. No batteries or electricity required. Complete with earphone with plastic ear-holder, antenna lead.in wire, and hardware. Requires external antenna (not supplied).
19 A 58024 Shpg, wt., 1 lb .
Antenna kit. Wt., 1V/ los.
32 R 30984
Depend on l.afayette For Complete Stochs, Lowen Prices, Fautert Seric

## NOVATRON <br> - SCIENTIFIC INSTRUMENT FOR THE EXPERIMENTER

Be your own meteorologist and simply forecast the weather. This deluxe weather laboratory hit contains every instrument necessary for extremely accurate weather prediction. Includes: a wind vane to show-wind direction and an anemometer to give lis speed; a compensated aneroid barometer provides barometric pressure; a psychrometer determines relative humidity; a set of graphs for charting alr pressure and temperature; a detalled weather map and cloud chart. A gauge measures rainfall to $1 / 100 t h$ inch, and a detalled manual shows how to make accurate forecasts. Requires 2 " C " batteries, not supplied. Shpg. wt., ב lbs.
19 R 34082 Less batteries
Net 9.99
99 R 62572 l. $5 v$ C battery ( 2 required).
Net ea. . 16

# Solid State Audio Amplifiers, Tuner and 



A more powerful and sensitive version of the 4-transistor amplifier on right, this amplifier employs 3 stages of audio driving a push-puil output stage. Power output is 360 mw , designed for speakers with a voice coil impedance of 8 -11 ohms. Low impedance input has sensitivity of 300 microvolts. Input transformer for matching high impedance to the ampliffer input avallable as an accessory (see below) Comes with leads for low impedance input, speaker, volume control/ on-off switch. Battery clips and leads supplied for 9 volt minfature battery (one required). Imported. Shipg, wt., 5 oz.
Use with accessories below. A. D. H, or I, and J
99 R 90375
Net 5.85

## 1-WATT 4.TRANSISTOR PUSH-PULL AUDIO AMPLIFIER

1-Watt Power Output

- 4-Iransistors plus Varistor - Completely Wired-Easy to Connect - Sturdy Printed Circuit Construction - Audio Output Transformer

One of our most powerful miniature ampllfiers. It has many direct uses in audio frequency applications for tuners, test equipment, etc. Push-pull circuit is very sensltive and has an output of l-watt! Using only 4 transistors, it requires a 12 -volt source supplied by Standard 'D' cells in series. Outputs Irom record players with magnetic cartridge, tape heads, microphones, etc. (not exceeding 20 milli volts) can be connected directly. Migher output devices may be easily connected with a resistor in series. Components are neatly layed out on a printed circult board with pre-drilied holes for mounting the entire unit in a vertical or horizontal postion. Built-in leads are supplied for a volume control. on-off switch, battery and 8 ohm loudspeaker. Dimensions: $47 / 2 \mathrm{Lx} 12 / 2 \mathrm{H} \times 21 / 4^{\prime} \mathrm{W}$. Imported. Shpg. wt. 502.
99 R 90383 Use with accessories 8 and $C$ below. Net 6.95

## CODE OSCILLATOR MODULE <br> - Drives Any PM Speaker

Matchbook Size

Iransistorized code oscillator module ready to connect to your telegraph key, and $11 / 2$ to 6 volt battery and any PM speaker. Provides clear tone-ideal for learning Morse code. Simple connecting instructions and schematic included. Shpg. wt., 3 or

4:TRANSISTOR SUBMINIATURE PUSH-PULL AUDIO AMPLIFIER


Atiny, transistorized push-pull audio amplifier with a multitude of
 equipment to serve as a subminiature phono ampllfier, tape recorder, amplifier, etc. Two stages of audio are followed by a push-pull output stage designed to deliver 100 mw to an $8-11$ ohm impedance. Low impedances input, with a sensitivity of 0.9 mv . Input transformer for matching high impedances to the amplifier avallable as an accessory (see below). Includes leads for input, speaker, and volume control/on-off switch. Battery clips and leads supplied for 9 -volt miniature battery fone required). Imported. Shpg. wl., $4 \mathbf{o z}$. Use with accessories below. A. E. H. or I, and J.
99 R 90425
Net 4.95

## 3-TRANSISTOR SUBMINIATURE AUDIO AMPLIFIER



- Printed Circuit
- Complete with Transistors

Here is an amazing littie audio amplifier with a multitude of chal. lenging applications; i.e., subminiature phono amplifier, iape recorder ampllifer, hand-held pubfic address amplifier, telephone pick-up amplifier, etc. Output sufficient for average listening. Has leads for any one of the following inputs: Tape recorder record/playback heads, radio-tuner, crystal or ceramic phono cartridge, and crystal or ceramic microphone. Has lead terminations for ON-OFF switch, Volume Control, 4 to 10 ohm speaker, and leads terminating in clips for a 9 -volt miniature battery. Stze: $2^{\prime 1} / x^{\prime} x^{2} 1 / x^{1 / 4} 4^{\prime \prime}$. Can be readily mounted on chassis. imported. Shpg. wt., 4 or
Use with accessories A, C, F, and G below.
99 R 90391
Nef 3.75

## ACCESSORIES FOR AMPLIFIERS AND TUNER ON THIS AND FACING PAGE

A. 99 R 60212* 9 Volt Battery 302.
B. 99 R 62564* "0" Cell Batlery 5 01. Net. 18
C. 5,000 Ohm Volume Control/Switch/Knob, 202 . 99 R $60196^{\circ}$

- $10,0000 \mathrm{hm}$ Volume Control/ Switch 32 R 22528*

Net .59
Net .74
E. $100,000 \mathrm{Ohm}$ volume Control/Switch. 3 oz . 32 R $22536^{\circ}$

Net .74
F. 99 R $45130^{*}$ Crysial Microphone 3 or Net. 99
G. 99 R 60972* $24 / 2^{\prime \prime}, 10 \mathrm{Mm}$ Speakier. 5025 .........Net .99
H. 99 R 60329* $3^{* *}, 8 \mathrm{OHm}$ Speaker. 2 oz . Net. 99

1. 99R $60360^{\circ} 2^{\circ,} 8$ Ohm speaker 302.
J. 99 R $60360^{*} 2^{\prime \prime} .8$ Ohm Speaker. 3 oz. 99 R 60345* Wt., 2 oz.

Net .99
Net .99

- Imported


# Accessories For Experimenter and Hobbyist <br> 1 WATT, 4 TRANSISTOR, DIRECT OUTPUT 

PUSH-PULL AUDIO AMPLIFIER


95

- 4 Transistors Plus Thermistor
- Completely Wired-Easy to Connect - Direct Output-8 and 16 Ohms

Amazingly powerful miniature soild state audio amplifier with many direct uses in audio frequency applications for tuners, test equipment, as a phono amplifier, tape recorder amplifier, public address of telephone pick-up amplifier, etc. Push-pull 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 speakers for minimum distortion. Can be readily mounted on chassis. Dimensions: $47 / 2 \mathrm{~L} \times 14 / 2 \mathrm{H} \times 2 \mathrm{~V} / \mathrm{m}^{\prime W}$. Shpg. wt., 60 zz . Imported.
Use with accessopes A. E, and H. (See p. 216.)

## 99 R 90979 <br> Net 6.95

## 3 WATT 4 TRANSISTOR PUSH-PULL AUDIO AMPLIFIER



A deluxe 3 -transistor subminiature AM broadcast tuner that features 3 dependable transistors, 3 If plus 1 oscillator iransformer, and ferrite antenna in an efficiemt, completely wired superheterodyne circuit on a sturdy printed-circuit board.
Now you can build your own nighiy efficient broadcast receiver by simply adding this exceptional tuner to any of the transistor audio ampliffers listed. The long tumer leads for connecting to external amplifier and/or to a separate 9 -volt battery, makes this easy as pie. Also features a large clearly visible calibrated tuning dial. The pilnted clrcuit board layout Dermits either vertical or horizontal meunting. Supplied complete with mounting brackets and detailed instructions. Size: $4 \times 13 / 4 \times 2^{7} \mathrm{H}$ with brackets. Imported. Shpg. wt. 708.

99 R 90409
Net 7.95
ADJUSTABLE POWER SUPPLY KIT


- Simple To Build
- Variable 0-12VDC
- Up to 1 Ampere Current
- Ideal Power Supply For Modules

On This and Facing Page
Thls simple-to-build power sapply is ideal for any application requiring a fow voltage DC source of power to be used as an alternative to batteries. Plugs into regular 110 volt AC current and delivers DC voltage which vou can adjust from 0 to 12 volts at a current drain of up to I ampere. A neon indicator light is supplied to indicate if the 110 AC power is on. Uses a special transformer that supplies approximately 16 VAC to a full wave bridge circult. The DC produced is fed into a special dual transistor filter and regulating circuit. The base voltage of the first transistor is made variable by means of a control. Size: $4 \times 4 \times 122^{\prime \prime}$. Shpg. wh. $13 / 4 \mathrm{lbs}$. 19 R 70110

Net 12.95

## 20 WATT STEREO SOLID STATE AMPLIFIER MODULE

## - 2-IC's and 8-Transistors

- Separate Bass and Treble Controls
- Frequency Response 30 Hz to 40 kHz
- Includes Rectifier and Filter

This especially fine transistor stereo amplifief dellivers 10 watts per channel continuous power (RMS) into any 8 ohm speaker. Has 2-IC's and 8 -transis ors. The separate bass and treble controls allow 20 db adjustment it 100 Hz and 10 kHz . The dual volume control aflows simultaneou increase in volume of both channels while the balance contro allows compensation for program variations. The low noise preanp stage provides a sensltivity of 0.5 volts for use with a ceramic, phono cartridge or a AM/FM tuner. The direct coupled complementary symmetry circult gives a Hi-Fi irequency
response of 30 Hz to $40 \mathrm{kHz} \quad 1 \mathrm{~g}-3 \mathrm{db}$. Includes the power supply camponents except a power transformer. Size: $7 \% \%^{\prime \prime} \times 150^{\prime \prime} \times 444^{"}$ 19 R 09159 Shpg. wt., 1 1/2 lbs.

Net 22.95
Same model as above but on two separate printed circuit boards for compact mounting. Control strip size: $7 \frac{5}{7} 6^{\prime \prime} x 1 \frac{1}{2} 2^{\prime \prime} x 17 / 8^{\prime \prime}$. Power
 19 R 09167

Net 22.95
Power transformer for above amplifier modules. Shps. wt., 1 1 $7 / 4 \mathrm{lbs}$. 19R09175

# Rock Polisher \& Specialty Items 

GEM STONE TUMBLING AND JEWELRY MAKING KIT

- Grinds and Polishes Rocks and Gem Stones
- Complete Outfit, Nothing EIse to Buy


Here is your opportunity to enjoy the fascinating craft of gem polishing. Kit inciudes MiniTumbler, $21 / 2 \mathrm{lb}$. load capacity drum and liner, 3 grades of abrasive grits plus polishing medium, assorted jewelry mountings (the clasp, eartings, etc.), iewelry glue, and assortment of rough, exotic and aztec stones. Motor operates on 115 VAC, with built-in clrcuit protection. UL listed. Everything you need to go from "rocks" to "jewelry".
15 R 58006 Shpg. wt., $13 \not / 4$ lbs.
Net 23.95

## ACCESSORIES FOR TUMBLERS

Stones. 1 lb . pkg. of Oregon Beach Agate and Jasper. Shpg. wt., $11 / 2 \mathrm{lbs}$. 15 १ 44030

Net 1.89

Deluxe Rough Stone Assortment Approximately 200 agate and rose quartz, tiger eye, jasper: elc. Exotic colored rock is from all over the world; will polish to a jewelry like-finish. 15 R 58014 Shpg. wt., 3 lbs.

Net 2.95

Grit and Polish assortment Kit. Provides everything needed to polish rocks. Packed in resealable plastic container. Each hit contains graded silicon carbide trit and fine pollish compound for fast grinding and fine finishes. Each set will process 14 ibs. of rock.
15 R 58030 For Rough Rocks, 4 step. Shpg. wt., 5 Ibs.
Net 3.95


Thls professional rocts tumbler is ruggediy designed for long, hard wear. The heavy gauge steel hexagonal drum has a 12 pound ( 9 pints) capacity. Features an overioad protected, continuous duty fan cooled motor... runs over $50^{\circ}$ cooler. Shuts off automatically when motor overheats. Prevents burnt-out motor should power fail or circuits overload. Neoprene gasket and rubber double seal prevents leakage and gas build-up. Sturdy wood grained steel base covers protect motor from dirt and grit. Easy to clean. Shpg. wt., 21 tbs.
15 R $58055 \%$
Net 44.95


A fascinating hobby-craft. You can polish all rocks to a steek, gleaming gem. like finish. Use them for decoration, put in settings, etc. Tumbling machine has two side by side barrels with a total capacity of approx. 6 lbs . of stones. This is not a knock-down kit, but a completely assembled unit ready to run with powertul continuous duty motor that operates on standard 110 VAC current. Sire: $7^{\prime \prime \prime} 9^{\prime \prime}$ a11". Complete with cans, but less grit and can liner. See listing on left for addi. tional accessories. Shpg. wt., $74 / 4 \mathrm{lbs}$. 15 R 44014

Net 18.95
Accessery pack. Asst. of coarse and fine grits, pre-pollsh and polish, and liners for above drums. Shog. wt., $21 / 2$ Ibs. 15 R 44022
.. Net 2.95
Ertra Cans For Above Tumbler.
15 R 44048 Shpg. wt., 8 oz. Net ea. 39 Ertra Rubber Liners For Alove. (Plig. of 2). 15 R 44055 Shpr. wi.. 8 oz. Net .89

JEWELRY MAKING KIT


This high quality Hamiliton gold plated 38 piece jeweiry finding assortment enables you to mount your semi-precious stones that have been pollshed. Makes earrings, tie clasps, bracelets, cuff links, they ring, the tact, necklaces, adjustable finger ring, etc. from these commercial findings. Kit also contalins jump rines. bell caps and a tube of jewelers on-off cement-everything you need. Shpg. wt., 802.
15 R 58063
Net 4.95


- Range up to 400 feet - Weighs only $21 / 2 \mathrm{lbs}$.
- For Hunting, Camping. Boating. Sports

A fully transistorized directional megaphone at Lafayette's low price. Lightweight, it carries your voice over 100 yards or above noise. Just press the trigger and talk. Features variable volume control and carrying strap. Uses 4 -standard " $D$ " cells (not supplied with unit). $11^{\prime \prime}$ long. Shpg. wt., 2 ibs.
44 R 15097
Net 8.95
$1 / 2$-volt D batteries. 4 required. Imported. shpg. wt., 5 oz.
99 R 62564 ................................................................... 1 ea.

PHILMORE DUAL BAND BROADCAST SHORTWAVE RADIO KIT ${ }^{\text {ont } 14} 14^{65}$

- 2 Bands $550-1650 \mathrm{kHz}$, $3-13 \mathrm{MHz}$

This radio covers the standard broadcast band from 550 to 1650 kHz and a shortwave band from 3 to 13 MHz . Modern circuitry with enough audio to orive a built-in $31 / 2$ inch speaker. Be rewarded with the satisfaction of having bullt a radio which will actually pull in standard broadcast, amateur and other shortwave stations. Includes punched chassis, grey hammertone panet, $31 / 2^{\prime \prime}$ speaker, pictorial and schematic diagrams and easy-to-follow instructions. Complete with all hardware: less solder, wire and tubes. Tubes required: 1-5065, 1-12AU6 plus I-35W4 rectlfier. For $105-125$ volts, AC or DC. Shpg. wt. $33 / 4$ lbs.
19R 50016 MODEL 7001CR.
Net 14.65
Shortwave antenna kit for above.
32 R 30984 Shpg. Wi. $11 / 4$ lbs.
Net 2.35

# Hobby Kits \& Specialties 



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Package of 4 PNP General Purpose Type Transistors similar in performance to: 2N107, 2N218. 2N1265. CK722, GT-222, TR722, $2 N 1191$, etc. Wt., 2 oz. 19 R 15024 Pkg of 4

Net. 89

FIG. (C)


FIG. (D)


FIG. (E)
(B) 2 NPN TRANSISTORS

Package of 2 NPN germanium transistors simllar to 2 N170 for Audio \& RF. Beta 20 minimum. Shipg. wt, 2 oz . 19 R 27029 Pkg. of 2

Net .49

## TRANSISTOR MOUNTING KITS

19 R 15313 For To. 3 Type ........ Net . 30 19 R 15321 For TO. 36 "Door

Knob" Type
Net 30

## (C) 2 TOP HAT SILICON RECTIFIERS 750 MIL-400 PIV

Phg. of 2 top hat type silicon rectifiers pated at 750 milliamps, 400 PIV. Shpg. wt., 202
19 R 42028 Pkg. of 2
Net .89
(E) 750 MIL EPOXY SILICON RECTEFIERS

750 mil 400 PIV Epory Silicon Rectlfier
19 R 50013 Shpg. wt., 3 oz. Net ea. .37;
10 for 3.45; 100 for 29.95
750 Mil 700 PIV Epoxy SIlicon Rectifier 19 R 50021 ...._Net ea. . 59 ; 10 for 4.95
(H) GE. 509 UNIVERSAL SILICON RECTIFIER
1 amp., 1000 PIV, 60 amp. max. surge 19 R 28019


FIG. (F)

(F) 40-WATT HIGH POWER TRANSISTOR Excellent for power supplies, auto replacement, audio output, etc. Boit mounted. 19 R 15032 Shpg. wt., 3 oz. .......Net . 89
(G) GENERAL PURPOSE OIODES

Excellent Detector for Transistor and Vacuum Tube Radio Receivers

## EQUIVALENT TO:

100 for
$\begin{array}{llll}\text { 1N34 } & \text { 1N34A } & \text { 1N38A } & \mathbf{8 . 5 0}\end{array}$
19 R 49015 …Net .10 each; 10 for .90

## (D) 10 GERMANIUM OIODES

Pkg. of 10 germanium diodes that replace 1N34, 1N34A, 1N46, 1N48, 1N51, IN60, 1N64, 1N64A, 1 N87, 1 N105, 1 N109, 1 N147, 1N267, 1N268, 1N295 etc. Shpg. wt., 2 oz. 19 R 15057 Pkg. of 10
(D) 10 SILICON OHODES

Package of 10 silicon diodes. replaces 1 N34, 1N34A, 1N46, $1 N 48,1 N 51,1 N 60,1 N 87$, 1N295, etc. Wh., 2 oz.
19 R 60012 Phg. of 10 ................. Net 89

## RECTIFIER MOUNTING XITS

19 R 15081 For 7/16" Hex Base Net. 17 10 for 1.59
19 R 15156 For $11 / 16^{*}$ Hex Base
Net 27; 10 for 2.49
19 R 15164 For 1 1 ." Hex Base Net 35
10 for 3.15

|  | MOTOROL |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| STOCK NO. | HEP No. | NET | STOCK NO. | HEP No. | NET |  |
| 19 R 54585 | HEP1 | . 89 | 19 R54700 | HEP101 | . 95 |  |
| 19R54247 | HEP2 | 1.25 | 19 R 54718 | HEP102 | 1.20 | Motorola HEP Semiconductor |
| 19R54544 | HEP50 | .79 125 | 19R 54726 | HEP103 | 1.20 | cross-reference guide and catalog |
| 19 19 19 | HEP3 HEP53 | 1.25 1.15 | 19R54734 | HEP105 HEP134 | . 2.26 | An excellent cross-reference and guide for |
| 19 R 54270 | HEP54 | 1.08 | 19 R 54759 | HEP135 | 26 | the hobbyist, experimenter and professional |
| 19 R 54593 | HEP56 | 1.44 | 19R54767 | HEP153 | 2.45 | service technician. Contains packaging |
| 19 R 54114 | HEP230 | 1.25 | 19 R 54775 | HEP156 | .41 | index, outline dimensions, and minimum ratings and characteristics of HEP semi- |
| 19 R 54122 | HEP231 | 1.99 | 19 R 54783 | HEP157 | . 45 | ratings and characteristics of HeP semi- |
| 19 R 54601 | HEP245 | 1.99 | 19R54791 | HEP158 | . 54 | reference of over 25,000 domestic and im. |
| 19 R 54619 | HEP247 | 2.80 89 | 19R54809 | HEP161 | 1.09 | ported germanium and silicon semt-con- |
| 19R54627 | HEP251 | . 1.13 | 19R54825 | HEP232 | 2.34 | ductor devices to HEP semiconductors. |
| 19 R 54353 | HEP35 | 1.49 | 19R54833 | HEP233 | 4.20 | Shpg. wt., 8 oz. |
| 19R54171 | HEP801 | 1.59 | 19 R 54841 | HEP235 | 4.50 | 10,R64047 ..............................EREE |
| 19R54361 | HEP802 | 1.59 | 19 R 54858 | HEP240 | 2.05 | HEP PROJECT MANUALS |
| 19 R 54635 | HEP803 | 3.39 | 19 R 54866 | HEP242 | 2.40 |  |
| 19R54239 | HEP451 | 1.49 | 19 R 54874 | HEP243 | 1.79 | HEP No. 400 General Hobby/Experimenter |
| 19 R 54205 | HEP556 | 3.89 | 19 R 54882 | HEP253 | 1.20 | Solid State Projects Manual. Fundamentais |
| 19 R 54213 | HEP558 | 4.39 | 19 R 54890 | HEP311 | . 99 | from interesting projects; i.e.; Panic Button, |
| 19 R 54437 | HEP572 | 3.90 | 19 R 54908 | HEP320 | . 99 | Deluxe Code Osciliator, Audio Generator. |
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| 19 R 54052 | HEP104 | 1.20 | 19R54957 | HEP639 | 1.50 | HEP No. 407 -Interesting IC theory \& appli- |
| 19 R 54551 | HEP151 | 1.90 | 19 R 54965 | HEP640 | 1.73 | cations in such projects as Binary Computer, |
| 19 R 54379 | HEP154 | . 36 | 19 R 54973 | HEP641 <br> HEPG42 | $\begin{aligned} & 1.32 \\ & 1.95 \end{aligned}$ | Organ, Square Wave Generator, Gridestone. |
| 19 R 54072 | HEP159 | . 60 | 19 R 54981 | HEP642 | 1.95 | Electronic Guitar and code Oscillator. Net 1.00 |
| 19R54569 | HEP160 | . 75 | 19 R 54999 | $\begin{aligned} & \text { HEP643 } \\ & \text { HEP700 } \end{aligned}$ | 2.75 | 10 R 64021 ............................ Net 1.00 |
| 19 R 54403 | HEP162 | 1.25 |  | $\begin{aligned} & \text { HEP700 } \\ & \text { HEP710 } \end{aligned}$ | 2.49 |  |
| $19 R 54643$ 19 | HEP170 | .82 1.49 | $\begin{aligned} & 19 R 57513 \\ & 19 \text { R } 57521 \end{aligned}$ | HEP702 | 5.25 | HEP No. 408-Learn theory and applications |
| 19 R 54080 | HEP175 | 2.05 | 19 R 57539 | HEP703 | 2.75 | of FET's. Interesting projects such as $V$ - |
| 19 R 54577 | HEP302 | 2.69 | 19R57547 | HEP704 | 2.67 | Preamplifier and b.C. Voltmeter. |
| 19 R 54023 | HEP51 | 1.79 | 19 R 57554 | HEP707 | 8.80 3.30 | 10 R 64039 ........................Net 1.00 |
| 19 R 54130 | HEP250 | 79 | 19 R 57562 | HEP712 | 3.30 |  |
| 19\%54288 | HEP55 | 1.20 | 19 R 57570 | HEP715 | . 95 | MOTOROLA FET |
| 19 \% 54429 | HEP570 | 2.10 | 19R57588 | HEP721 | 1.55 .95 | EXPERIMENTER'S KIT |
| 19R54460 | HEP582 | 1.49 3.99 | 19 R 57604 | HEP724 | . 95 | Contains 2 Field Effect Transistors, 2 bipol |
| 19R54494 | HEP591 | 3.60 | 19 R 57612 | HEP725 | 1.05 | transistors, brochure on FET's Including |
| 19 R 54676 | HEP52 | . 95 | 19 R 57620 | HEP726 | 1.15 | project circuit and FET Cross-Reference |
| 19R54684 | HEP57 | 1.20 | 19 R 57638 | HEP728 | 1.10 | Guide. |
| 19 R 54692 | HEP75 | 2.95 | 19 R 57646 | HEP729 | 1.35 | 19 R 54668 Shpg. wt., $402 . . .$. Net 3.95 |

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Top quality semiconductors for replacement of transistors. IC's, selenium and sllicon rectifiers used in AC and battery-operated
portable and auto radios, phonograples, tape recorders, TV recelvers, AF amplifiers, etc. shpe. wt., 3 oz .

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Solid State Replacement Culde . Domestic and foreign transisfors. IC's and rectifiers cross-referenced against RCA "Top-of-theLine" SK semiconductors. Includes dia. grams. Shpg. wt., 8 oz. 10 R 47125

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| 19 R 43265 | SK 3016 | . 57 |
| 19R43273 | SK 3017A | . 60 |
| 19 R 43281 | SK 3018 | 1.35 |
| 19 R 43299 | SK 3019 | 1.47 |
| 19 R 43307 | SK 3020 | 1.32 |
| 19 R 43315 | SK 3021 | 1.95 |
| 19 R 43323 | SK 3022 | 3.96 |
| 19 R 43331 | SK 3023 | 3.96 |
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| :---: | :---: | :---: |
| 19 R 43042 | SK 3025 | 2.70 |
| 19 R 43058 | SK 3026 | 1.80 |
| 19 R 43067 | SK 3027 | 3.15 |
| 19 R 4075 | SK 3028 | 3.60 |
| 15 R 43003 | SK 3029 | 6.30 |
| 19 R 43091 | SK 3030 | 42 |
| $19 R 43109$ | SK 3031 | 51 |
| 19 R 4311 | SK 3032 | . 61 |
| 19 R 43125 | SK 3033 | .81 |
| 19 R 43356 | SK 3034 | 4.50 |
| 19 R 4364 | SK 3035 | 5.49 |
| 19 R 13372 | SK 3036 | 5.85 |
| 19 1 13380 | SK 3037 | 11.70 |
| 19 R 43398 | SK 3038 | 1.44 |
| 19 R 43406 | SK 3039 | 1.98 |
| 19 R 63414 | SK 3040 | 2.25 |
| 19 R ¢ 3422 | SK 3041 | 2.52 |
| 19 R 41449 | SK 3042 | 3.96 |
| 19 R 43497 | SK 3043 | 1.80 |
| 19 R 43505 | SK 3044 | 5.49 |
| 19843513 | SK 3045 | 5.67 |
| 19 R 4521 | SK 3046 | 1.98 |


| Stact Ma. | RCA Trpe | Net Each |
| :---: | :---: | :---: |
| 19R43538 | SK 3047 | 2.8 |
| 19 4 4547 | SK 3048 | 5.58 |
| 19 R 43554 | SK 3049 | 8.10 |
| 19 R 43802 | SK 3050 | 3.78 |
| 19 R 43810 | SK 3051 | 1.08 |
| 19 R 43828 | SK 3052 | 2.35 |
| 19 R 43636 | SK 3053 | 4.80 |
| 19 R 43944 | SK 3054 | 2.70 |
| 19 R 43851 | SK 3055 | 1.08 |
| 15 R 43869 | SK 3056 | 1.00 |
| 19 R 43877 | SK 3057 | 1.08 |
| 19 R 43885 | -SK 3058 | 1.00 |
| 19R43693 | SK 3059 | 1.08 |
| 19 R 43901 | SK 3060 | 1.08 |
| 19 R 4319 | SK 3061 | 1.00 |
| 19 A43927 | SK 3062 | $1.0{ }^{\circ}$ |
| 19 R 43935 | SK 3053 | 1.08 |
| 19 R43943 | SK 3064 | 1.08 |
| 19 R 43950 | SK 3065 | 4.15 |
| 19 R 43968 | SK 3066 | 3.15 |
| 19 R 43976 | SK 3007 | 4.68 |
| 19 R 41984 | SK 3068 | 5.04 |
| 19 R 43992 | SK 3069 | 13.65 |

## REPLACEMENT ENTERTAINMENT TRANSISTORS AND SEMI-CONDUCTORS

## ENTERTAINMENT SEMICONDUCTOR ALMANAC

Replace over 12,000 Transistors, Over 5,000 Diodes

General Electric Universal Replacement Entertainment Iransistors replace most types of transistors used in radios, $\mathbf{N}$, tape re. corders, phonographs and other applications where normal voltages exist. Shpg. wh, 3 oz. Matched Pairs.

Complete replacement guide for damestic and imported transistors with recommended G.E. Universal replacements. Also includes guide for replacement of crystal diodes universal rectiffers, dual-diodes, zerer di.
odes, color rectifiers, 3.5 MHz crystals used in the major pooular TV sets and maintenance industrial semiconductors. Wt., 8 oz .

10 ค 36243
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eE Typ
Wet Exch

| stock No. | CE Type | Net Eman |
| :---: | :---: | :---: |
| 19月27268 | GE-1 | 1.20 |
| 19 R 27276 | GE-2 | 1.02 |
| 19R27284 | GE3 | 1.78 |
| 19 R 27292 | GE. 4 | 2.94 |
| 19 R 27300 | GE-5 | 1.68 |
| 19R27310 | GE5 | 1.83 |
| 19 R 27326 | GE. 7 | 1.77 |
| 19 R 27314 | GE-8 | 1.29 |
| 19 R 27714 | GE. 9 | 1.26 |
| 19 R 27359 | GE-10 | 1.20 |
| 1s R 27367 | GE-11 | 1.53 |
| 19 R 27722 | GE. 12 | 2.34 |
| 19 R 27730 | GE-13* | 3.56 |
| 19 R 27748 | GE. 14 | 3.51 |
| 19 R 27755 | GE-15* | 7.02 |
| 19R27763 | GE-16 | 3.15 |
| 19 R 27771 | GE-17 | 1.42 |
| 19 R 27789 | GE. 18 | 1.46 |
| 19 R 27797 | GE-19 | 3.06 |
| 19 R 27805 | GE-20 | 1.10 |
| 18 R 27813 | GE-21 | 1.12 |
| 19 R 27821 | GE. 22 | 1.03 |
| 19 R 27839 | GE-23 | 2.52 |
| 19 R 27847 | GE-24* | 5.04 |
| 19R27854 | GE-25 | 7.50 |
| 19 R 20134 | GE-26 | 3.10 |
| 19 R 28159 | GE-27 | 2.18 |
| 19 R 28167 | GE-28 | 2.15 |
| 19 R 29241 | GE-30 | 2.20 |
|  | GE-31* | 4.40 |
| 19R28266 | GE-32 | 2.79 |
| 19 R 28274 | GE-53 | 1.02 |
| 19 R 28282 | GE 62 | . 81 |
| 19 R 28290 | GE. 63 | 1.80 |
| 19 R 28308 | GE.64 | . 96 |
| 19 R 28316 | GE 66 | 2.49 |
| 19 R 28324 | GE 67 | 1.80 |
| 19 R 21312 | GE-69 | 2,76 |
| 19 R 28340 | GE-90 | 81 |
| 19828357 | GE-300 | . 81 |
| 19 R 27862 | GE-FET-1 | 2.25 |
| 19 R 28365 | GEFET-2 | 1,44 |
| 19 R 27474 | 2 N 107 | 75 |
| 19 R 27482 | 2N170 | 1.02 |
| 19 R 27490 | 2N188A | 1.83 |
| 19 R 27870 | 2N190 | . 84 |
| 19 R 27888 | 2N324 | . 12 |
| 19 R 27896 | 2N404 | . 54 |
| 19 R 27904 | 2N508 | . 78 |
| 19 R 27920 | 2N2160 | 1.65 |

Stock No.
GE Type
Met Each

## C.E. VAC-U-SELQ DUAL OIOOES

| $\begin{aligned} & 19 \text { R } 27441 \\ & 19 \text { R } 27458 \\ & 19 \text { R } 27466 \end{aligned}$ | $\begin{aligned} & 6 \mathrm{GCl} \\ & 6 \mathrm{GD} \\ & 6 \mathrm{GXI} \end{aligned}$ | .55 .55 .55 |
| :---: | :---: | :---: |
| CRYSTAL DIODES |  |  |
| 19 ¢ 27938 | IN34AS | . 33 |
| 19R27946 | 1N60 | . 33 |
| 19 R 27953 | IN82A | 87 |
| 19 R 27979 | IN295 | . 31 |

## COLOR TV RECTIFIERS

19 R27417 GECR- 1 Focus Rect. 2.25 19 R 27425 GECR-2 Boosted Boost 99 19R27433 GECR-3 Convergence .66

## Thermalloy

Neatly pre packaged heat sinks, mounting and insulating kits and heat sink compound. 2 Heat Sinks for TO-5 transistor. Cools to 1.9 watts of heat.
is R 56507 Shpg. wt., 8 oz . ...... Net . 59
I Keat Sinh for Te. 5 transistor. Cools to 3 watts of heat.
is R 56515 Shpg wt. 8 oz. Net . 44
2 Plece meat sink for 10.66 transistor. Cools up to 10 watts of heat.
19 R 56.523 Shpg. wt., 8 or. Net . 64 2 Piece Heat sink for T0-3 transistor. Cools up to 12 watts of heat.
19 R 56531 Shpg, wt., 8 oz. Net .70 1 Heat Sink fer T0-3 transister. Cocls up to 20 watts of heat.
19 R 56549 Shpg. wt.. 8 oz. Net 1.08 Universal Meat Sint for T0-3, T0.36 ar TO-ES transisters. Cools up to 40 walts of het.
19 R 56556 Shpg. wt., 12 oz . Net 1.72
Thermacste semiconductor sllicene heat transfer compound. $11 / 2 \times 11 / 2^{\circ}$ fill tube. 19 R 56606 Shpg. wt., 4 oz . Net .65 Mounting and Insulating nits. Wt. 4 ors.
19 R 56614 for TO-3 Transistor Net . 38 19 R 56622 for TO-36 Transistor Net .34

## G-E COLOR TV CRYSTALS

| GE-41 3579.545KC GE only 19 R 27375 GE-42 3579.545KC other sets 19 R 27382 |  |  | 3.36 |
| :---: | :---: | :---: | :---: |
| LENER DIOOES, \# WaTT; $=400$ |  |  |  |
| Stiok R0. | Type | Yelts | Wet |
| 19 R 28027 | GE20-10.4* | 10 | 90 |
| 19 R 28035 | GEZD-3.6 | 3.6 | 1.20 |
| 19 R 28043 | GE2D-5.1 | 5.1 | 1.20 |
| 15 R 28050 | GEZD-5.6 | 5.6 | 1.20 |
| 19R28068 | GEZD-6.2 | 6.2 | 120 |
| 19 R 28076 | GE20-9.1 | 9.1 | 120 |
| 19 R 28084 | GE20.12 | 12 | 1.20 |
| 19 R 28092 | GEZD. 15 | 15 | 1.20 |
| 19 C 28100 | GE20-18 | 18 | 120 |
| 19 R 28118 | GE20-20 | 20 | 120 |
| 19 R 28126 | CEZO-27 | 27 | 1.20 |
| 19 ¢ 20373 | GEZD-33 | 33 | 1.20 |
| 19 R 28381 | GE20-39 | 39 | 1.20 |
| 19 R 28394 | GE20-47 | 47 | 1.20 |
| RECTIFIERS |  |  |  |


| Stock No. | Tуре | Piv | max Ipe MA | Net |
| :---: | :---: | :---: | :---: | :---: |
| 19 R 27907 | 1N91 |  |  | 94 |
| 19 R 27995 | GE-504A | 600 | 1 Amp | 66 |
| 19 R 26019 | GE-509 | 1000 | 1 Amp | 79 |
| 19 R 28183 | GE-BR600 | 600 | 1.5 Amp | 3.05 |

(Full Wave Bridge)


# 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 available; either high grade bakelite for wired circults, or one side copper-clad for "printed" circuitry. Holes are K1/0" diameter with $\%_{1 / 3}$ between hole centers, All boards are "ha" thich. For contacts, the flea clips listed on this page are ideal. Aug. shpg. wt., 9 oz .

| PERFORATED CLAD |  |  |  |  | PERFORATED |  |  | UNCLAD |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Net Each Lots of |  |  | Size | No. of Holes | Stock No. | Net | $\begin{aligned} & \text { Each Lots of } \\ & 100 \quad 250 \end{aligned}$ |  |
| Stoch Na. | , | 100 | 250 |  |  |  |  |  |  |
| 19R 3601? | . 35 | . 30 | 28 | 2\%/633/8" | $17 \times 12$ | 19 R 36053 | . 25 | 20 | . 18 |
| 19 R 36020 | . 64 | . 52 | 47 | $321 / 7 \times 63.4$ | $35 \times 19$ | 19R3606 | . 45 | 40 | 35 |
| 19 R 36038 | 1.15 | . 96 | . 87 | $77_{4} \times 633 / 44^{\prime \prime}$ | $39 \times 35$ | 19 R 36079 | . 75 | . 65 | . 60 |
| 19 R 36046 | 1.99 | 1.58 | 1.42 | 101/2x7\%. | $56 \times 38$ | 19 R 36087 | 1.20 | 1.08 | . 97 |
|  |  |  |  | 18x7\%* | $95 \times 38$ | 19R36095 | 1.99 | 1.79 | 1.65 |

## 

UNPERFORATED COPPER CLAD LAMINATE
Unperforated, finest quality XXXP bakelite and G-10 epoxy glass bases one side copper laminate clad boards for printed circuit work, Avg. shpg. wt., 1002.

| Stock No. | XXXP Bakelite | Net | Stock No. | Epoxy Class | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 R 71019 | $9^{\prime \prime} \times 12^{\prime \prime}$ | 1.50 | 19 R 37044 | $9^{\prime \prime} \times 12^{\prime \prime}$ | 4.20 |
| 19 R 71027 | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 49 | 19 R 37051 | $6^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 1.24 |
| 19 R 71035 | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 30 | 19 R 37069 | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 61 |
| 19 R 71043 | $2^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 25 | 19 R 37077 | $2^{\prime \prime} \times 41 / 2^{\prime \prime}$ | . 40 |
| 19 R 71050 | $3^{\prime \prime} \times 21 / 4{ }^{\prime \prime}$ | . 24 | 19 R 37085 | $3^{\prime \prime} \times 21 / 4^{\prime \prime}$ | . 34 |



FLEA CLIPS FOR TRANSISTOR AND SUBMINIATURE CONTACTS mindature 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 R 33019 Package of 12
Net .35 19 R 33027 Package of 1000

Net 15.75


## G-C CHEMICALS FOR PRINTED CIRCUITS

PRINT-KOTE SILVER PRINT. Pure silver compound, Alr drying. Used to repair printed clicuit "wires" and touch up connections. $1 / 2$ Troy 08 . Shpg. wt., 4 ozs.
13 Q 60106 GC-21-1
Net 4.75
PRINT-KOTE COPPER PRINT. A high conductlve, fast drying compound to touch up and repalr printed circuits. With brush-cap in 2 oz. bottles. Shpg. wt., 702.
13 R 61146
Net 1.95

## "TECHNIQUES" PRINTED CIRCUIT KITS AND SUPPLIES

- For The Builder-Experimenter-Student- Technician


SCREEN PRINTING
KIT NO. 5006 FIG. A
This Screen Printing Kit provides an accurate and rapid means for making larger sample quantities or even short production runs of printed circuits. Frame measures $8^{\prime \prime} \times 12$. It comes with sllh 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 etch resistant Ink, blochout medium, tape masking, solvent, spare bottle and complete instructions. Shpg. wt., $121 / 2 \mathrm{lbs}$.
19 R 68247W
Net 29.95
1:1 NEGATIVE ARTWORK KIT FIG.B
Photo reversing kit converts black line artwork to "clear" line artwork for exposing presensitized panels. Kit contains pressure sensitive, actual size pattern of transistor pads. IC pads, fingers, lines, dots, etc. Press desired pattern onto mylar, connect dots with tape, add fingers, etc.. place in contact with reverse film and expose to bright light. Swab developer onto film and the result is an accurate $1: 1$ negative ready to use to expose any number of presensitized P.C. boards. No dartroom (subdued light only). camera. tanks or trays needed. All supplies to make two for more if smaller size) $41 / 2^{\prime \prime} \times 6^{\prime \prime}$ negatives.
19 R 68502 Shpg. wt. 3 lbs. Nel 12.95 Extra Developer and 4 sheets of film. 19 R 68510 Shpg. wt., 2 lbs. ...... Net 6.50 Extra Patterns, Tape and Dots 19 R 68528 Wt 802

## BALL POINT TUBES

| Stock No, | Type | Color | Net ea, |
| :---: | :---: | :---: | :---: |
| 19 R 68395 | PRLT | Red | 1.25 |
| 19 ¢ 68403 | PRLT | Black | 1.25 |
| 19 R 68411 | PRLT | Blue | 1.25 |
| 19 R 68429 | PRLT | Green | 1.25 |
| 19 R 68437 | PRLT | Yellow | 1.25 |

## TECMNICIANS KIT

NO. 5003 FIG.C
Conlains 10 assorted single and double clad XXXP and epoxy glass boards from $41 / 2 \times 6^{\prime \prime}$ to $3 \times 21 / 4^{\prime \prime}$; 1 tape resist; 1 liquid resist; eyelets; 1 deill. etching solution and directions. In plastic box size: $71 / 8$ " $x 55^{\prime} \times 2^{\prime \prime}$
19R 68054 Shpg. wt., 4 Ibs.
Net 9.75
EXPERIMENTERS KIT NO. 5002


A good kit to start off learning the techinique of etched circultiy. Contains 6 copper clad boards from $4 \frac{1}{2} \times 6^{\prime \prime}$ to $3 \times 2 \frac{1}{4^{\prime \prime}}$ : Dots; 1 pack etchant; 1 tape resist; eyelet assortment; drill and directions. In plastic box size: 71/8" $\times 5^{\prime \prime} \times 1 \%{ }^{\prime \prime}$
19 R 68072 Shpg. wt., $13 / 4$ los. ...... Net 4.75

## PRESENSITIZED

COPPER CLAD PANELS
All are $K_{\mathrm{s}}$ " thick copper clad one side. Except is both sides. " are Xxxp taminate. t are G10 epoxy-glass laminate.

| Stock No. | Type | Size | Net Ea, |
| :---: | :---: | :---: | :---: |
| 15 R 68031 | PXC.F* | $6^{\prime \prime} \times 9^{*}$ | 2.00 |
| 19R68049 | PXC-B* | $6^{\prime \prime} \times 4122^{\prime \prime}$ | 1.00 |
| 19 R 68056 | PXC.C* | 3'x41/2* | 75 |
| 19 R 68254 | PXE.FT | $6{ }^{\prime \prime} \times 9^{\prime \prime}$ | 4.00 |
| 19 R 68262 | PXE-B $\dagger$ | $6^{\prime \prime} \times 41 / 2$ " | 2.00 |
| 19 R 68270 | PXE-C $\dagger$ | 3" $441 / 2{ }^{\text {a }}$ | 1.00 |
| 19 R 68445 | PXC-FF' | $6^{* \prime} \times 9^{\prime \prime}$ | 3.00 |
| 19 R 68452 | PXC-BE*** | $6^{\prime \prime} \times 41 / 2$ " | 1.50 |
| 19 R 68460 | PXC-CC* | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 1.00 |
| 19 R 68478 | PXEFFFT | $6^{\prime \prime} \times 9^{\prime \prime}$ | 5.00 |
| 19 R 68486 | PXE-BB $\dagger$ \# | 6"x412" | 2.50 |
| 19 R 68494 | PXE-CC ${ }^{\text {P/ }}$ | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 1.25 |
| PROCESSING MATERIALS <br> Type PXO-8 elght ounce developer |  |  |  |
|  |  |  |  |
| 19 R 68023 |  | Net | 1.00 |
| Type PXY-1 one ounce dye. Net ea |  |  |  |
|  |  |  |  |



INOUSTRIAL LABORATORY KIT NO. 5100 FIG.
Ready to use presensitized copper clad taminate culs time to make prototype printed circuits. Kit contains 20 -pieces single and double clad $x \times x-P$ and epoxy fiberglas laminates in assorted convenient sizes, pre. sensitized and uncoated, 20 assorted printed circuit tube and transistor sockets. 2 rolis tape resist strip $10_{0}{ }^{"}$ and $1 / 8^{"}$ wide. 200 diecut tape resist circles $1 / 4^{-}$and $K_{1+}^{-1}$ diameter. Bottle liquid resist and brush. Ball-point resist pen. Package of printed circuit eyelets and terminals. \#51 drili, layout paper, exposure clamp, developing and efching solutions with trays. Full instructions and technical bulletins.
19 986015 w Shpg. wi., 9 lbs. .... Net 29.95

## PRINTED CIRCUIT ACCESSORIES

Basic components for the experimenter-de-signer-lab-limited production-etc. In printed circuit constfuction. Highest quality mate-rlals-indispensable for prototype work.

## TAPE RESIST

320" Rolls of Tape Resist (Black) Average Shpg. wt., 202.

| Stoch No. | Type | Width | NetEa. |
| :---: | :---: | :---: | :---: |
| 19 R 68122 | PRT1 | 1/2" | 85 |
| 19 R 68130 | PRT2 | Y" | . 75 |
| 19 R 68148 | PRT3 | 饬" | . 90 |
| 19 R 68155 | PRT4 | 1/8" | . 90 |
| 19 R 68296 | PRT8 | 1/4" | 1.00 |


| RESIST CIRCLES PKg. of 100 ea. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | R 68163 | PRTD-6 | \%/" dia, | 75 |
|  | R 68304 | PRTD. 8 | 1/4" diam. | 75 |
| TOUCH-UP RESIST |  |  |  |  |
|  | R 68171 | PRL one ou | ce jar | . 50 |
| EVELETS |  |  |  |  |
| 19 R 68114 PEY12 125 Asst. Eyelets |  |  |  |  |
| PRINTED CIRCUIT TERMINALS |  |  |  |  |
| 19 R 68312 PTE10 PkR. of 10 |  |  |  |  |
| ECHANTS |  |  |  |  |
|  | R 68098 | PE16 Pint |  | 1.25 |
|  | R 68106 | PE32 Quart |  | 2.25 |

## VECTOR BOARDS. TERMINALS \& KITS

VECTOR "PiLEE Boards" and Receptacles
Reany io wire plugboards are Ideal for prototypes and short runs + made from Grade EXXXP 1/16" thick epoxy paper per MIL.P-22324 $\delta$ made from FR-4 epoxy glass type GEE per MIL-P-18177C. Overal 062" holes located on alternate $1^{\prime \prime}$ centers speed component mounting. Elco Varicon mitacts provided on "types. Other boards have copper . $156^{\circ \prime}$ spaced etched contact fingers or nickel gold plated contacts on "GN" types.

| Stock Mo. | Migs. Type | Size | No. Contacts | $\begin{gathered} \text { Net Each } \\ 1.1920 .99 \quad 100.199 \end{gathered}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19R83238 | $837 *+$ | $3^{\prime \prime} \times 41 / 2^{\prime \prime}$ | 12 | 2.33 | 2.10 | 1.96 |
| 19 R 83246 | 837WE*§ | $3^{\prime \prime} \times 4 y^{\prime \prime}$ | 12 | 2.58 | 2.32 | 2.17 |
| 19 R 83253 | $812^{\circ}+$ | 4142 "x 612 " | 16 | 2.98 | 2.68 | 2.50 |
| 19 R 83626 | 812WE*§ | 41/2"x61/2" | 16 | 3.53 | 3.18 | 2.97 |
| 19 R 83303 | 848WE*§ | 41/2"x612" | 35 | 6.09 | 5.48 | 5.12 |
| 19 R 63279 | 838 A+ | 44/2"x61/2" | 22 | 2.81 | 2.53 | 2.36 |
| 19 R 83634 | 838AWE-1§ | $41 / 2$ " $\times 61 / 2^{\prime \prime}$ | 22 | 3.17 | 2.85 | 2.66 |
| 19 R 83642 | 838AWE-1GNS | 412" $26412{ }^{\prime \prime}$ | 43 | 4.70 | 4.23 | 3.95 |
| 19 R 83659 | 838WE-1GNG | 41/2"x61/2" | 43 | 5.81 | 5.23 | 4.88 |

Receptacles have solder labs and mounting holes.

| Stack No. | Mfrs. Type | Contacts | Used with | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 19 R 83329 | R612-1 | 12 | 837.837WE | 2.08 |
| 19 R 83337 | A616-2 | 16 | 812,812WE | 2.60 |
| 19 R 93345 | R635 | 35 | 848WE | 5.35 |
| 19 R 63352 | R644 | 44 | 838A, 838AWE, 838 WE, IGN, 3474, 3474-2, 3677 -2, 3662 | ง.35 |

## VECTOR INTEGRATED CIRCUIT KITS

## VECTOR PRE-PUNCHED EREADBOARDS

Pre-punched terminal boards for prototypes and production Ivory Epoxy Paper grade EXXXP per Mil-P-22324 Natural Tan Phenolic Grade XXXP per Mil-A31158. Tan or green epoxy glass NEMA grade FR-4 per Mil-P-18177C. All $1 / 16^{\prime \prime}$ thick except ${ }^{*} 3 / 32^{*}$ Patterns: "A", .093" holes .265" centers, "F", .062" hole, 2 centers. " G ", 265 " 062 " holes alter ${ }^{\text {a }} 1$ " centers, "p", . 042 " hole. 1 " centers.

PHENDLIC BOAROS

| Stock No. | L and ${ }^{1 / 5}$ | Pat. | No. of Holes | $1-19$ | 20-99 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 R 83071 | $17^{\prime \prime} \times 4.8$ " | A | 64 A18 | 1.30 |  |
| 19 R 83089 | $17^{\prime \prime} \times 4.8{ }^{\prime \prime}$ | F | $85 \times 24 \times 2$ | 1.30 |  |
| 19 R 83097 | 19"×8.6" | G | $95 \times 43 \times 2$ | 2.41 | 2.17 |
| 19 R 83105 | 19"18.75" | A | 72x32 | 2.33 | 2.10 |
| 19 R 83113 | $8.5{ }^{\prime \prime} \times 4.8{ }^{\prime \prime}$ | A | 32×18 | . 86 | 2.77 |
| 19 R 63121 | $17^{\prime \prime} \times 4.8{ }^{\prime \prime}$ | A | -64x18 | 1.30 | 1.17 |
| 19 R 83139 | $8.5 " 12.41^{\prime \prime}$ | A | -32x9 | 2 | 6 |
| 19 R 83147 | 17"×8.51" | A | *64A32 | 2.86 | 2.57 |
| 19 R 83154 | EPOXY PAPER BOAROS |  |  |  |  |
| 19 R 83162 | 17"x4.8* | G | $185 \times 23$ | 2.28 2.28 | 2.05 |
| 19 R 83584 | $6.5^{\prime \prime} \times 4.5$ " |  | $64 \times 44$ | 1.69 | 1.52 |
| 19 R 83592 | $17^{\prime \prime} \times 1.8^{\prime \prime}$ | P | 169x47 | 3.98 |  |
|  | EPOKY GLASS BOARDS |  |  |  |  |
| 19 R 83428 | $17^{\prime \prime} \times 4.8$ " | A | $64 \times 18$ | 3.87 | 3.48 |
| 19 R 83436 | 17"x4.8" | G | $85 \times 23 \times 2$ | 3.96 | 3.56 |
| 19 R 83733 | 61/2"141/2" | P | $64 \times 44$ | 1.79 | 1.61 |
| 19 R B3741 | $17{ }^{\prime \prime} \times 41 / 2$ " | P | 169x44 | 4.36 | 3.92 |

Vector's hardware kits provide maximum flexibility for hooking up all kinds of ic circults as well as discrete components. Kits are bullt around pre-purched epoxy paper Micro-Vectorboard* chassis which has . $042^{\prime \prime}$ holes on $1^{\prime \prime} \times 1^{\prime \prime}$ centers plus solder type push-in Micro-kitp terminals and varlous accessories, such as Micra bus strip, wire wrap terminals, chassis supports, etc. Kit $30 \times \mathrm{Ma}$ Micro-Vectorboard chassis $42 / 2 \times$ $84 / 2 \times 1 / 16^{\prime \prime}$, wooden chassis supports, 100 T42-1 terminals.
19 R 83691
Net 4.50
Kit 30 X Micro-Vectorboard chassis $41 / 2 \times$ $81 / 2 \times 1 / 16^{\circ}, 2^{\prime \prime}$ high extruded aluminum chassis rails (which can ferm box with addition of cover plates) 105 T42-1 terminals and installing tool, bare and solder thru hockup wire, layout paper.

Net 10.75

N11 31X Same as 30 X , with addition of Micro bus strip, wire wrap terminas and inbord pins, pot and switch brackets.
19 R 83717

Kit 29X Professional sized version with $41 / 2^{*}$ $\times 13.9^{\prime \prime}$ chassis and extruded éluminum sup. porting ralls, solderless daisy chain contacts, solderable and wire wrap terminals and inserting tools, solderless contacts for pins, Micro bus strip, DIP extractor tool, 14 and 16 pin dual-in-line sockets, 4 lead transistor sockets. 8 and 10 lead round T0-5 size IC sockets, mounting pads for 12 lead IC's flat pack, I.C. adapter plates, etc.

##  <br> Fixpmith

Net 17.50


THRU PANEL STEATITE INSULATORS. COMpression mounted by means of a stud. Flat mounting surfaces with cushion washer. Hardware: "10-32, $\ddagger 6-32$. Average shpg. wt.. 402.

Stock No. Mirs Type Fig. Ht. Hole Net Es.

STAND OFF INSULATORS. Type 65 and 68 are
ribbed and have drain and etched aluminum bases, Type 66 has smooth surfaces and drawn bases. similar to fig. E, but with square base. Avg. Wt., 6 oz.

| Stock Mo. | $\begin{aligned} & \text { Mirs. } \\ & \text { Type } \end{aligned}$ | Fig. Mt. | Nard- <br> ware | Net Ea. |
| :---: | :---: | :---: | :---: | :---: |
| 33 R 32178 | 20 | c 1\%" | 10-32 | . 43 |
| 33 R 32194 | 22 | $\mathrm{C}^{\circ}$ | 8.32 | . 26 |
| 33 R 32210 | 24 | C 5/8' | 6-32 | . 21 |
| PORCELATN |  |  |  |  |
| 33 R 32244 | 65 | 0 13/4" | 10.32 | 44 |
| 33 R 32269 | 66 | E $21 / 4$ " | 1/4-20 | . 99 |
| 33 R 32293 | 68 | E* $2^{* \prime}$ | 10.32 | . 67 |

Insulated bushings ideal for use in trans. mitter and antenna installations. Type 50 , and 55 are steatite, supplied with cushion washers and hardware. Type 54 is porcelain less all hardware except cushion washer Maximum diameter: Type $50 \mathrm{z} 4^{\prime \prime}$. Type 54 $342^{\prime \prime}$, and Type $553 / 2^{\prime \prime}$

| Stock No. Mrs. Sige Fig. Wi. Wt. Mole Ea. |
| :--- |
| Eat | $\begin{array}{lllll}33 \text { R } 32319 & 50 & M & 202, & 12^{\prime \prime} \\ 33 & 15 & x_{2}^{\prime \prime \prime}, 46\end{array}$

 Fig. M. ANTENHA STRAIN INSULATOR. POR celain, heavily glazed, nickelaplated brass hardware. 400 lbs . breaking strength.

 Fie. O. STEATITE CONE INSULATORS. COmplete with 2 machine screws, washers, and a cork cushion washer. Avg. shog. wt., 2 oz.

StockNo. Mirs. Tyle HL. Width Ea. | $33 R 32129$ | 500 | $38^{\prime \prime}$ | $59^{\prime \prime}$ | 2. |
| :---: | :---: | :---: | :---: | :---: |
| $33 R 32137$ | 501 | $19^{\prime \prime}$ | .35 |  |
| $33 R 32145$ | 502 | $142^{\prime \prime}$ | $1^{\prime \prime}$ | .65 | FIg. P. FEEDER SPREADERS, Silicone impregnated, $36^{\prime \prime} \times 1 / 2^{\prime \prime}$ cross section. Avg. shpg. wt .3 oz.

stock No.

| Stock No. | Mirs. Type | Lensth | Net Ea. |
| :--- | :---: | :---: | ---: |
| $33 R 32400$ | 136.122 | $2^{*}$ | 20 |
| 33 R 32418 | 136.124 | $4^{*}$ | .34 |
| 33 | 32425 | $136-126$ | $6^{\infty}$ |

PUSH-IN TERMINALS AND INSERTION TOOLS


Type T9.4. Brass, tin plated with serrated slots, fits .093" hole.
19 R'83014 PKg. of 100 $\begin{array}{llr}19 \text { R } 83014 & \text { Pkg. of } 100 & 1.44 \\ 19 \text { R } 83402 & \text { Pkg. of } 1000 & 10.18\end{array}$ Type P122: Insertion tool T9.4 terminals. is R 83410 Net ea. 1.40 Type T2s terminal berylllum copper. iln
plated, fits hoie size $.062^{\prime \prime}$.
19 R 83022 Pkg. of 100

19 R 83386 Pkg. of 1000 11.61 Type T20S. Same as T 28 except silver plated. 19 R 83618 Pkg. of 100 1.72 $\begin{array}{lll}19 \text { R } 83600 & \text { Pkg. of } 1000 & 13.51\end{array}$ Typep91. Insertion tool for T28 and T28S terminals.

## 19 R 83063

.59
Type T3ON-2 Springcilip terminai holds up to six wires without soldering. Nickel plated brass body with nickel plated steel music wire spring, fits hole size $.093^{\prime \prime}$.
$\begin{array}{llr}19 \text { R } 83048 & \text { Pkg. of } 10 & .99 \\ \text { 19R83030 } & \text { Pkg. of } 100 & \mathbf{7 . 2 3}\end{array}$
19 R 83394 Pkg. of 1000 50.44
P92A insertion tool for T30N-2 terminals 19 R 83055.
Type 142-1 Micro-Kilp Push-in terminal for $.042^{\prime \prime}$ holes, beryllium copper, tin plated.
$\begin{array}{lll}19 \text { R } 83758 & \text { Pkg. of } 100 & 1.82 \\ \text { i9 R } 83766 & \text { Pkg. of } 1000 & 11.70\end{array}$
Type K24c Inbord Pin. Push-in for .042" diameter holes. Phospher bronze tin plated. $\begin{array}{ll}19 \text { R } 83774 & \text { Pkg. of } 50 \\ \text { i9 R } 83782 & \text { Pkg. } 1060\end{array}$ 19 R $83782 \quad$ Pkg. of $1000 \quad 11.21$
Type T44 025" square wire wrap pin with slotted top fits $042^{\prime \prime}$ diameter holes.
19 R 63790 Pkg. of 100
2.96

19 R b38cs Al3 insertion tool for t4s

# Antenna Coils－Photoconductive \＆Photoelectric Cells <br> INTERNATIONAL RECTIFIER <br> LAFAYETTE 

b3M SElenium solar cell


Ratings（in full sunlight） Output 0.2 to 0.4 volts， $11 / 2$ to $21 / 2$ milliamps．Plastic case with adhesive disc． Size： $11 / 4 \times 11 / 6 \times \mathrm{K}_{0}{ }^{\prime \prime}$ ．Shpg． wt．， 2 oz

## INTERNATIONAL RECTIFIER B2M SUN BATTERY



Average sunlight gener－ ates 2 ma．current under 10 －ohm load．With miliL ammeter can be used to measure light．In series or series－parallel wilt drive transistorized equipment 50 micro－ amps＠ 100 foot candles with 55 ohm load． .5 volt in average sultght， .25 volt at 100 foot candles．Shpg．wt．， 2 oz. 19 月 29017

Net ea． $2 . n 0$


## PнотO CELL AND SUn battery ASSORTMENT

This interesting special package contains a selenium photocells with outputs from iss to $1 / 2$ volt and 0.5 ma to 3 ma ．in bright sunitight． Complete with 24 －page instruction and proj ect manual．Shps．wt．， 4 oz ．
19 R 29108
Net .99

## INTERNATIONAL RECTIFIER

SIM SILICON SOLAR CELL
Output rating 0.3 to 0.4 volts and 10 to 16 milliamps in full sunlight．Plastic case with pressure sensitive adhesive disc．Size： $11 / 4 x$ 1 1／exK＂＂．Shpg．wt．， 2 oz．
19 R 29041
Net 2.40

## S4M SILICON SOLAR CELL

High efficiency version of above S 1 m ． Same output voltage of 3 to ． 4 volt with out put current of 25 to 40 mA ．Shpg．wt．， 4 oz ． 19 R 29124

Net ea． 4.40

## INTERNATIONAL RECTIFIER <br> 

Precision motor with anti－friction bearings． Ideal for the experimenter and seience pro－ ject enthusiast．Direct operation from power supplies utilizing solar cells．Recommended driving cell is type S4M or two SIM＇s in parallef（see listing immediately above）． Operation from 0.35 to 1.5 volt．Shpg．wt．， 402. 19 1929132

Net ea． 3.95

PHOTO CONDUCTIVE CELLS


Conductivity of these sensitive cells varies with intensity of light．All rated at 20 ma at 200 volts．Wave length 4000 to 8000 angstroms．Resistance at 0 ft ，candle is 10 meg for type $\mathrm{A}_{\mathrm{s}} 5$ meg for type 8 ．Other chart ratings approx．$\pm 50 \%$ ．Imported． Shpg．wte， 207.

| Stock Ne． |  | Fit． | Resistance in ohms at |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1FC | 10FC | 100FC | Net |
| 59 | \％ 63208 |  | A | 1.5 meg | 150，000 | 25，000 | ． 99 |
| 99 | R 63216 | 8 | 25，000 | 4.500 | 700 | ． 99 |



## LAFAYETTE SELF GENERRTING SELENIUM CELLS

## －No external power needed

Sensitive to a wide spectrum including white， colored or ultra－violet light．All unmounted； complete with teads．Outputs of $100 \mu$ a taken at 100 foot candle illumination with 100 ohm
 ported． 99 R 62432

Net .59


## PIONEER CDS CELLS

FIG．（700 Series）FIG．（ 900 Series） Hermetically sealed high sensitivity，cad－ mium sulphide cells．Types ending in 01 thru 04 are suggested for use with slowly changing daylight；types ending in 10 thru 13 especially suited for industrial photo－ control operations depending on interrup－ tion of an incandescent source．Maximum dissipation on 700 series is $1 / 4$ watt con－ tinuous or 1 －watt intermittent（1 min． periods）； 900 series is $1 / 2$ watt continous． 2－watts intermittent．Mean oulput is photo－ current at 50 VAC and simulated daylight of 1 FC；range varying $\pm 33 \%$ of mean． Maximum dark current measured at 100 V ， 5 seconds after 50 FC light extinguished． Photosensitive area of 700 series is .1 sq． in． 900 serles is $\mathbf{A 4} \mathrm{sq}$ ．in．Average Shpg． wt． 302.

| Stock Mo． | $\begin{aligned} & \text { rype } \\ & \mathrm{No} . \end{aligned}$ | Mean Output | Max． Dark Curr． | Max． Dark Volt | $\begin{aligned} & \text { Mei } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $15 \% 47027$ | 701 | 1.5 ma ． | $25 \mu$ a． | 500 | 1.40 |
| 19 R 47035 | 5702 | 3 ma ． | $25 \mu \mathrm{a}$ ． | 500 | 1.40 |
| 19 ¢ 47043 | 3703 | 6 ma ． | 40 ma． | 350 | 1.40 |
| 19 R 47050 | 901 | 1.5 ma ． | 25 «а． | 1000 | 1.25 |
| 19 R 47068 | 802 | 3 ma ， | $25 \mu$ м． | 1000 | 1.25 |
| 19 R 47076 | 6903 | 6 ma ． | $40 \mu \mathrm{z}$ ． | 700 | 1.25 |
| 19 R 47004 | 4904 | 12 ma ． | $200 \mu \mathrm{a}$ ． | 500 | 1.25 |

INCANDESCENT TYPES

| Stach No． | Type No． | Mom． Res． Ohms | Min． Oark Res | Mar． Dark Volt | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19月47092 | 710 | 1330 | 4 meg． | 00 | 1.40 |
| 19 R 47100 | 711 | 670 | 4 meg． | 500 | 1.40 |
| 19 P 47118 | 712 | 330 | 2.5 mer． | 350 | 1.40 |
| 19R47126 | 910 | 1330 | 4 meg ． | 1000 | 1.25 |
| 19 R 47134 | 911 | 670 | 4 meg． | 1000 | 1.25 |
| 19 R 47142 | 912 | 330 | 2.5 meg． | 700 | 1.25 |
| 19 R 47159 | 913 | 165 | 5 meg ． | 500 | 25 |

Give high gain across complete AM broad－ cast band from 540 to 1600 kHz when tuned with standard 365 pF tuning condenser． A．VARIABLE TYPE．An extremely small yet very powerfui replacement antenna with a ＂Q＂of 240－275．Boosts sensitivity and sig－ nal．to nolse ratio．With adjustable ferrite core for maximum peaking efficiency and precise tracking of entire broadcast band． Single，hole snap－mounting，plus bracket． Efficient at any angle． $2 \mathrm{~K}_{\mathrm{a}}^{\mathrm{T} / \%_{0}^{" \prime} \text { ．}}$
32 \＆ 41064 Shpg．wt．， 2 oz．．．．．．．．．．．Net ． 59
B．ENERGIZEO FERRI－LOOPSTICK．New $5^{* *}$ ferrite rod foopstick antenna with a＂Q $Q$＂of up to 350 ．Extremely high gain brings in even distant stations not normally received． Adjustable coil with self－locking vinyl col－ lar dermits peaking antenna for super sen－ sitive results． $1 / \times 5^{\prime \prime}$ ．Shpg．wt．， 3 oz．
32 R 82019
Net ． 98
c． $7^{\prime \prime \prime}$ SUPER LOOP．Super sensitive lerrite loopstick antenna with a＂Q＂of up to 425. Excellent for replacement of old style loops． Brings in even hard to get stations．Adjust－ able for maximum sensitivity over length of 7 in．Complete with mount．
32 R 82027 Shpg．wt．， 3 oz．
Net 1.35

## TRANSISTOR TAPPED VARIABLE ANTENNA COIL


－Boosts Signal Pickup．
－Super－Selective！
Specially designed for matching the low input impedance of transistors．Maximum transter of signal energy from tuning stage when used with 365 to 420 DF 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．Single－ hole snap－in mounting，plus bracket Effi－ cient at all angles．Size： $2 x^{3 / 3 / 9}$ diam．
32 R 41080 Shpg．wt．， $2 \mathrm{oz} . \quad$ Net. ．．．．．．． 99

## FERRITE ANTENMA KIT

－ 3 Antennas for
 Heception


Three sizes of flat ferrite antennas．Each has a high inductance of 480 micro－ henries．Tapped leads are color coded．Designed to match most AM transistor radios，Matches tuning con－ denser sect． $167.5-8 \mathrm{pF}$ ．
osc．sect． $75.5-8 \mathrm{pF}$ ．
Sizes：（1） $13 / 4 \times 7 \%$
$1 / \pi^{\prime \prime}(2) 21 \% \times 3 \times \times 1 / 8^{\prime \prime}$
（3） 23 有 $x x_{0} \times 1 / 4^{n}$ ，Imported．
99 R 62275 Wt． 301 ．Net．74

a cadmium－sulphide light－ activated resistor used to actuate door openers，bur－ glar alarms，relays，light controls，production counters，etc．Resist－ ance varies from 75 ohms at approx． 93 foot－ candles to over 10 megohms in total dark． ness．Maximum volts： 110 VAC （peak）110vDC； maximum dissipation： 2 watt＠ $40^{\circ} \mathrm{C}, .1$ watt＠ $50^{\circ} \mathrm{C}, 0 @ 60^{\circ} \mathrm{C}$ ．Capacity approx． 6 DF ． $1 / 2^{\prime \prime}$ diam，$\times$ K．$^{\circ}{ }^{*}$ thick．Imported．Shpg． wt．， 2 oz．
19 R 21014
Net 1.09

# Terminal Strips - Poly Rods \& Sheets 

## BEAU BARRIER STRIPS

TYPE 18000 - 20 AMP


Sturdy closed back Barrier strips moulded in black Bakelite are idea for permanent installations, as well as breadboard and experimental work. Sturdy barriers between terminal strips insure agminst accidental shorts. Two mounting holes on each end of strip insure ease of instaltation. See headings about each series for size specifications. Avg. wt., is 50 oz .

TYPE 14000 - 15 AMP
Leakage path between terminals is $3 / 8^{n}$. Base is $7 / 8^{\circ}$ wide $\times 13 / 32^{\circ}$ high.

| Stoch Mo. | No. of Contacts | 1.49 | $\begin{gathered} \text { Met Each } \\ 50-99 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 33 日 86018 | 1 | . 16 | . 13 |
| 33 R 86026 | 2 | . 17 | . 15 |
| 33 ค 86034 | 3 | 20 | . 17 |
| 33 R 86042 | 4 | -25 | . 21 |
| 33 R 86059 | 5 | . 31 | . 26 |
| 33 R 86067 | 7 | . 36 | . 30 |
| 33 R 86075 | 7 | . 41 | . 35 |
| 33 R 86083 | 8 | . 47 | . 40 |
| 33 R 86091 | 9 | . 52 | 44 |
| 33 R 86109 | 10 | . 59 | . 50 |
| 33 R 86117 | 11 | . 63 | . 53 |
| 33 R 86125 | -12 | . 70 | . 59 |
| 33 R 86133 | 13 | . 74 | . 62 |
| 33 R 86141 | 14 | . 60 | . 67 |
| 33 286158 | 15 | . 86 | . 72 |
| 33886166 | 16 | . 91 | . 76 |
| 33 R 86174 | 17 | . 97 | . 81 |
| 33 R 86182 | 18 | 1.02 | . 85 |
| 33 R 86190 | 19 | 1.07 | . 90 |
| 33 R 86208 | 20 | 1.13 | . 95 |
| 33 ¢ 86216 | 21 | 1.20 | 1.00 |



Cadmium piated steel lugs spaced $3 / 8^{m}$ on centers. Bahelite strip is $3 / 8^{\circ}$ wide $x .062$ in. thick. Ideal for supporting and joining electrical components. Type marked * have grounding lugs in addition :o the number of terminals indleated below. Mount with Mo. 6 screw. Avg. wt., 3 oz. 5 per pkge.

| Steck No. | Term. | Fie. | Met Fer <br> Pk. of 5 |
| :---: | :---: | :---: | :---: |
| 32 R 12057 | 1 | A | . 18 |
| 32 R 12065 | 2 | 8 | . 20 |
| 12 R 12073 | $2 *$ | C | . 20 |
| 32 R 12081 | 3 | D | 28 |
| 32 R 12099 | 3 | E | . 30 |
| 32 R 12107 |  | $F$ | . 31 |
| 32 R 12115 | 4* | G | . 33 |
| 32 R 12123 | 5 | H | . 35 |
| 32 R 12131 | $5 *$ | $J$ | . 38 |
| 32 R 12149 | 6 | K | . 39 |
| 32 R 12156 | 6* | 1 | . 40 |

KIT OF 48 SOLDER UUG STRIPS

39


Handy assortment of 48 soider lug terminal strips with 8 of each type from 1 thru 6 fugs. Shpg. wt., 8 oz. Imported.

Net 1.39

Leakage path between terminals is $7 / 16^{\circ \prime}$. Bese is $1 / \mathrm{m}^{\prime \prime}$ wide $\mathrm{I} 1 / 2^{\prime \prime} \mathrm{h} / \mathrm{gh}$.

| Stack No. Contacts |  | 1.49 | $\begin{aligned} & 50.99 \\ & \text { Met Eact } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 33 R 86265 | 1 | . 19 | . 16 |
| 33 R 86273 | 2 | 20 | .17 |
| 33 R 86281 | 3 | . 26 | .22 |
| 33 R 86299 | 4 | . 34 | 28 |
| 33 R 86307 | 5 | . 41 | . 34 |
| 33 R 86315 | 6 | . 47 | . 39 |
| 33 R 86323 | 7 | . 55 | . 46 |
| 33 R 86331 | 8 | . 62 | . 52 |
| 33 R 86349 | 9 | . 68 | . 57 |
| 33 R 86356 | 10 | . 76 | . 64 |
| 33 R 86364 | 11 | . 82 | . 69 |
| 33 R 86372 | 12 | . 89 | .74 |
| 33 R 86380 | 13 | . 36 | . 80 |
| 33 R 86398 | 14 | 1.03 | . 86 |
| 33 R 86406 | 15 | 1.10 | . 92 |
| 33 R 86414 | 16 | 1.18 | . 99 |
| 33 R 86422 | 17 | 1.24 | 1.04 |
| 33 R 86430 | 18 | 1.31 | 1.10 |
| 33 R 8G448 | 19 | 1.39 | 1.16 |
| 31 R 86455 | 20 | 1.46 | 1.22 |

## TYPE 21000-30 AMP

Leakere path between terminais is $9 / 18^{\prime \prime}$. Base is $17 \mathrm{~m}^{\prime \prime}$ wide $\times 5 /{ }^{\prime \prime}$ High.

| Stack No. | No. of <br> Centacts | 1.49 | Net Each <br> $50-99$ |
| :---: | :---: | :---: | :---: |
| 33 R 06513 | 1 | .22 | .18 |
| 33 R 86521 | 2 | .23 | .20 |
| 33 R B6539 | 3 | .32 | .27 |
| $33 R 86547$ | 4 | .40 | .34 |
| $33 R 86554$ | 5 | .49 | .41 |
| $33 R 86562$ | 6 | .58 | .48 |
| $33 R 86570$ | 7 | .67 | .56 |
| $33 R 86588$ | 8 | .75 | .63 |
| $33 R 86596$ | 9 | .83 | .70 |
| $33 R 86604$ | 10 | .93 | .78 |
| $33 R 86612$ | 11 | 1.01 | .84 |
| $33 R 86620$ | 12 | 1.10 | .92 |
| $33 R 86638$ | 13 | 1.19 | .99 |
| $33 R 86646$ | 14 | 1.28 | 1.07 |
| $33 R 86653$ | 15 | 1.37 | 1.14 |

HEAVY DUTY SCREW COLLAR STRIPS


Kinz bakelite. $7 /{ }^{\prime \prime \prime}$ wide Nickel Plated Brass Screw Terminals, tinned solder lugs. Avg. shpg wt., 3 oz.

|  |  | NET EACN |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Stoct | No. | Term. | $1-9$ | $10-99$ | 100 |
| $32 R 64488$ | 2 | .20 | .16 | .16 |  |
| $32 R 64496$ | 3 | .25 | .22 | .20 |  |
| $32 R 64504$ | 4 | .30 | 27 | .24 |  |
| $32 R 64512$ | 5 | .36 | .32 | .29 |  |
| $32 R 64520$ | 6 | .41 | .37 | .33 |  |
| $32 R 64538$ | 7 | .46 | .41 | .37 |  |
| $32 R 64546$ | 8 | .52 | .47 | .42 |  |
| $32 R 64553$ | 9 | .60 | .54 | .49 |  |
| $32 R 64561$ | 10 | .63 | .57 | .51 |  |

## TERMMAL STRIPS

High quality batkelite terminal strips. Solder lugs mounted on $K_{s}{ }^{\prime \prime}$ thick insulation. Available with 2 thru 10 solder lugs and screw terminals. Mounting holes for 6.32 screws. Avg. shpg. wt., 5 oz. 5 per Pachage.

| Steci No. | Term. | Pkg. |
| :--- | :---: | ---: |
| 32 R 12164 | 2 | .55 |
| $32 R 12172$ | 3 | .63 |
| $32 R 12180$ | 4 | .78 |
| 32 R 12198 | 5 | .93 |
| $32 R 12206$ | 6 | 1.10 |
| $32 R 12214$ | 7 | 1.28 |
| $32 R 12222$ | 8 | 1.45 |
| 32 R 12230 | 9 | 1.65 |
| 32 R 12248 | 10 | 1.85 |



- Ideal for Kit Buiiders Tempered masonite board with holes spaced $1 / 2$ " apart to facilltate mounting of parts. Size $7{ }^{2 y} / \mathrm{sx}$ $11^{20} / 4 \times 44^{\prime \prime}$ thick. Holes $1 / 4^{\prime \prime}$ diam, Shpg. wt., 802.



## SPACER ASSORTMIENTS



## BRASS SPRCERS

Package of 16 cadmium plated brass spacers 4 each of $14^{\prime \prime}-4 / 2^{-}-3 / 4^{\prime \prime}$ \& $1^{\prime \prime}$ length. All accomodate $\% 6$ screw. $1 / /^{\prime \prime} 0.0$. Shpg. wt., 10 02.

32 R 12263
FIBRE SPACERS
Assortment of 12 fibre spacers. 4 each of $1 / 4^{\prime \prime}-1 / 2^{\prime \prime}$ \& $1^{\text {" }}$ lengths. All have $1 / 4^{\prime \prime}$ outer diameter and accommodate \#6 screw. Shpg. wt., 3 oz.
32 R 12255

# Dials-Variable Condensers 



Precision planetary drive vernier dials with approximately 7 to 1 ratio. Ideal for test equipment, calibration instruments, amateur equipment, etc. $1 / 4^{"}$ diam. shaft extending from rear may be easily coupled to another drive shaft. Type A has framed wire halr line, type 6 has dointer. All with 1 log scale and blank scales. Fluted knob. Imported.

| Stock No. | Fis. | Scale wifth | seate | $\begin{aligned} & \text { Blamk } \\ & \text { Scales } \end{aligned}$ | $\begin{gathered} \text { Size } \\ \text { Overall } \end{gathered}$ | sme. wt. | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 R 25660 | B | 41/4" | 0-180 |  | $5 \times 3 \times 14 / 2$ | 1002. | 2.59 |
| 99 R 25678 | A | $6^{\prime \prime}$ | 0.200 | 6 | 67/x41/2x2 | 1 tb . | 2.99 |
| 99 R 25686 | A | 71/4" | 0.200 | 6 | $81 / 2 \times 53 \times 21 / 4$ | 11/2 1bs. | 3.95 |



Precision planetary drive vernier dials with approximately 8 to 1 ratio. Mounts on panel surface and has accurately centered metai 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 $100 \mathrm{in} 180^{\circ}$. Uses tough scrateh resistant fluted molded knob and housing for sure grip. Phosphor bronze and brass utilized for Internal parts. Imported. Average Shpg. wh , 5 ös.
 99 R 60311
Fig. D 50 MM ( 27 ) Diameter Vernier Dial, 1" from front to back 99 R 60303
99 R 60303
Fig. C $70 \mathrm{MM}\left(2 \%{ }^{\prime \prime}\right)$ Diameter Vernier, $1 / \mathrm{m}^{\prime \prime}$ from front to back
Net . 99

## IINY TUNING COMDENSER-with DIAL

 - For Transistor and Miniature Circuits - Only 1" Square, $/$ /o" Deep - 385 pF - Polyethylene Dielectric A new "Poly-Vari-Con" model tor use in TRF broadcast-band and experimental receivers. Complete with good-looking clear plastic tuning dlal with calibrations from 530 to 1600 MHz . Capacity variable from 10 to 365 pF . Knuried dial is $11 / 4^{\sim}$ diam.; rotation is $180^{\circ}$. Dial is mounted to condenser shaft by Ksus $^{\prime \prime}$ diam, chrome plated threaded retainer. Imported.99 R 62176 Shpg. wt., 3 oz.
Net .79

(A)

(

## COUPLERS AND EXTENDERS

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, $50^{\prime \prime}$; over-all length $12 /$ " $^{\prime \prime}$ Average shpg. Wt., 3 oz. All are couplers except * which are extenders.

| Stock Mo. | Size | Each |
| :---: | :---: | :---: |
| 32 R 64124 | $1 / 4 \times 1 / 4{ }^{\prime \prime}$ | . 30 |
| 32 R 64132 | $1 / 4 \times 30^{\prime \prime}$ | . 30 |
| 32 R 64140 | 3, $\times 16$ | . 30 |
| 32 R 64157* | $1 / 4 \times 1 / 4{ }^{\prime \prime}$ | . 40 |
| 32 R 64165* | \% $\times 1 / 4$ " | . 40 |

## PANEL BEARING ASSEMBLY

Use with rigid or flexible coupling when mounting. for up to אo" panels. Av. shpg. wi., 4 oz.
32 ค $640503^{\prime \prime}$ long, $1 / 厶^{\prime \prime}$ shaft .... . 40 32 R $640666^{* \prime}$ long, $1 / 4^{\prime \prime \prime}$ shaft
32 R 64074 Bearing onfy

## EXTENSION RODS

For $1 / 4$ " dia, extensions. Av, shpg. wt., 4 oz.
32 R 64082- 6" Nickel Plated 32 R 64090- $6^{\prime \prime}$ Fibre .35
.15

32 R 64108-12 Nickel'Plated 70 .70


## MICA <br> TRIMMERS <br> AND <br> PADDERS

Base of low-loss ceramic. $1 / 602 \times 3 / 4 \times 5 /{ }^{\prime \prime}$ in size. $17 \mathrm{Fa}^{\circ}$ mtg. ctrs. Capacity ranges derived from 3 tums open to light setting. Av. shpg. wt., $20 z$.

| Stock Ne. | 0F | $\begin{aligned} & \text { Each } \\ & 124 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 25-99 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 34 R 513856 | 1.5-15 | . 35 | . 32 |
| 34 R 68295 | 2.7-40 | 35 | . 32 |
| 34 R 68303 | 5. 80 | 35 | . 32 |
| 34 R 68311 | 10. -180 | . 40 | . 36 |
| 34 R 68329 | 25. -280 | 48 | . 43 |
| 34 R 68337 | 50. $\cdot 380$ | . 54 | 49 |
| 34 R 68345 | 75, 480 | 60 | . 54 |
| 34 R 68352 | 105. 580 | 68 | . 61 |



TYPE HF

Single section tuning employing "APC" rotor and stator design-ideal for critical high Ireq. circuits. Isolantite insulation. Air gap is $0.015^{\prime \prime}$ nominal. Shpg. wt., 402.

| Stock No. | Mfg's Typ | Max. pF | Hin. pF | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 R 28817 | HF 15 | 17.5 | 2.8 | 1.45 |
| 40 R 28825 | HF35 | 36. | 3.2 | 5 |
| 40 R 28833 | HF50 | 42. | 3.7 | 1.75 |
| 40 R 28841 | HF 100 | 102. | 5.3 | 2.00 |
| 40 R 28858 | HF140 | 142. | 6.3 | 2. |

## TYPE HFA

Similar to "HF" except very desirable for high frequency low-power applications. Single hole or base mounting. $\mathrm{K}_{4} x 14^{\prime \prime}$ round shaft. $1 / 8-32$ thread $x$ 2/47. bushing. Wt. 800 . 40 R 28411 HFA-15-E+ $16 \quad 2.8 \quad 2.20$ 40 R 28429 HFA-25-B** $25 \quad 3.0 \quad 2.30$ 40 R 28437 HFA. 50 . B $4 \quad 50 \quad 4.3 \quad 2.50$ 40 R 28445 HFA. 100 - $\mathrm{B}+100 \quad 7.5 \quad 4.35$

## TYPE APC

Compact, high quality. Has high teakage resistance and resistant to temperature, molsture, and vibration effects. Straight line capacitance. Hex collar on slotted shaft for rotor and screw-driver adjustment. Air gap is $0.015^{\prime \prime}$ nominal. shpg, wt., 408 .

Series APS (Screwdriver Slot)

| Stock No. | Mirs. Type | Max. pF | Min. pF | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 R 28460 | APC-25 | 25 | 3.0 | 125 |
| 40 R 28478 | APC. 50 | 50 | 3.9 | 1.35 |
| 40 R 28486 | APC. 75 | 75 | 4.6 | 1.45 |
| 40 R 28494 | APC-100 | 100 | 5.5 | 1.60 |
| 40 R 28502 | APC-140 | 140 | 6.7 | 1.80 |
| Series APC-B ( $1 / 2^{\prime \prime}$ Shaft) |  |  |  |  |
| 40 R 28528 | APC-25B | 25 | 3.0 | 1.35 |
| 40 ต 28536 | APC-50B | 50 | 3.9 | 1.45 |
| 40 R 28544 | APC-75B | 75 | 4.6 | 1.55 |
| 40 R 28551 | APC-100B | 100 | 5.5 | 1.80 |
| 40 R 28569 | APC-140B | 140 | 6.7 | 2.00 |

## TYPE MAPC

About halt 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 $00135^{\prime \prime}$. Size */82 Wx'K_"H. Shpg wt., 3 oz. Series MAPC (Screwdriver Slot)

| Stoch No. | MFrs. Type | Max. p | Min. pF | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40R28635 | MAPC-15 | 15 | 2. | 1.10 |
| 40 R 28643 | MAPC. 25 | 25 | 2.6 | 1.15 |
| 40 R 28650 | MAPC-35 | 35 | 2.9 | 120 |
| 40 R 28658 | MAPC- 50 | 50 | 3.2 | 1.25 |
| 40 R 28676 | MAPC-75 | 75 | 3.9 | 1.35 |
| 40 R 28684 | MAPC- 100 | 100 | 4. | 1.45 |
| Series MAPC-B ( $1 / 2^{\prime \prime}$ Shaft) |  |  |  |  |
| 40 R 28692 | MAPC-15B | 15 | 2.3 | 1.10 |
| 40 R 28700 | MAPC-25B | 25 | 2.6 | 1.15 |
| 40 R 28718 | MAPC-35B | 35 | 2.9 | 1.20 |
| 40 R 28725 | MAPC-508 | 50 | 3.2 | 1.25 |
| 40 R 28734 | MAPC-75B | 75 | 3.9 | 1.35 |
| 40 R 28742 | MAPC-100B | B 100 | 4.5 | 1.45 |

# Knobs-Dial Cord and Coils 



The most popular replacement I.F. Ideal for experimenters. Exceptionally high gain powdered iron core, compression tuned 455 kHz midget l.f.....only ", "" square by $1 \%{ }^{\prime \prime}$ high. For both input and output circults. Supplied with mounting clip and adapter plate to replace both midget and larger size cans. Shpg. wh., 4 ozs.
32 R 09467
Sing $y_{0}$ each .89 Lots of 10 each .79

## LAFAYETTE <br> MINIATURE IF TRANSFORMERS ANO OSCILLATOR COILS




Slug-tuned printed circuit mounted minia ture If transformers. All have $\mathbf{4 5 5} \mathbf{k H z}$ inter mediate frequency. Each with schematic and pin contacts. Ideal replacemerts for Japan ese transistor radios. Shpg, wt., 2 oz. Im ported. All Units only $3 / \mathbf{" 月 ~}^{\text {s }}$ Sq. and Ka" High. 99 R 63000 Osclllator coll Inductance $270 \mu \mathrm{~h}$.
99 R 63018 1st IF; pri. 70,000 ohms, sec 1500 ohms
99 R 63026 2nd If: prt. 50,000 ohms, sec.
99 R 63034 3rd If: pri. 30,090 ohms, sec 5000 ohms.
Any of above
Net ea. . 59

## MILLER TRANSISTOR <br> ANTENNAS

## STANDARD

Has a ifxed inductance of 240 uh and covers a band of 540.1650 kHz . Large pickup area and high 0 . Maximum funing capacify 365 mmf. © © 790 kHz . 450, Shpg. Wh. 3 oz . 34 ค 88194 Type 2000

Net 2.58

## MINIATURE



Has an inductance of 240 hh and is designed for use with a standard variable condenser having a maximum capaclty of 365 mmf . Freq. range 540.1650 kHz , Q 790 kHz , 550. Shpg. Wt., 4 or.

34 R 87485 Type 2001


SUB MINIATURE
Adjustable antenna coil with high Q ferrite cores. Inductance range for 2002 is 40 $300 \mu \mathrm{~h}$, for $2007,150 \cdot 1000 \mu \mathrm{~h}$. Freq. range $540-1650 \mathrm{kHz}$ Q @ 790 kHz fo 2002, 250; for 2007. 220. Tuning capacity 2002, 250. 450 mmf ; 2007, 100.250 mmf . Wt. 4 oz 34 R 87493 Type 2002 ........Net 1.80 34 R 88210 Type 2007 Net 2.25

## 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 $540-1650$ khz. Q @ $790 \mathrm{kHz}, 500$. Shpg. wt., 3 oz . 34 R 88202 Type 2004 Net 2.55

POINTER, BAR AND LEVER KNOBS


Black thobs molded of high quality plastic. All have set screw for $1 / 4^{\prime \prime}$ round or flatted shaft, and white indicator lines. Items marked : have brass insert. Size shown is length. Av. shpg. wt., 2 oz.

|  |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Fig. | Size | 1-24 | 25.99 |
| 32 R 24110 | A | 2" | . 22 | . 20 |
| 32 R 24128 | C | 11/4" | . 14 | . 12 |
| 32 R $2413{ }^{\text {* }}$ | C | 11/4" | . 20 | . 18 |
| 32 R 24144 | 0 | 11/4" | . 16 | . 14 |
| 32 R 24151** | 6 | 15\%" | . 29 | . 26 |
| 32 R 24169 | E | 1\%" | . 16 | . 14 |

## MINIATURE <br> KNOBS

Plastic Inob, onfy $5 / 6^{\prime \prime}$ diameter fits $1 / \mathrm{s}^{\prime \prime}$ shafts, for miniature components such as Ferri-loop-stlck, sub-miniature pots, etc. Avg. shpg. wt., 2 oz. 32 R 24052 Walnut 32 R $24 C 11$ Ivory

## Net 15 <br> Net 16

## PROFESSIONAL KNOBS



Add professional appeárance to any equip. ment. Professlonal black-malte finish with concave top. To fit $1 / a^{\prime \prime}$ round shaft. All knobs come with set screw. Skirt dimen. \%/". dia. z \%" ${ }^{\text {H H. Imported. Shpg. wi., } 2 \text { ozs. }}$ 99 R 61087

Net . 34

## FLUTED KNOBS



Black fluted knobs, with and without skirt. Made of thermosetting plastic with high gloss finish. All have recessed brass insert and set serew. Mount on $1 / 4^{\prime \prime}$ round or flatted shaft. Shpg. wt. 2 ors.

| Stock No. | Fig. | Diam. | Hght. | $\begin{gathered} \text { Net Each } \\ 1-24125.99 \\ \hline \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 R 24060 | A | 11/9" | $5{ }^{\text {c/ }}$ | . 31 | 29 |
| 32 R 24078 | A | $174{ }^{\prime \prime}$ | '40', | . 34 | . 31 |
| 32 R 24096 | A | 156" | 3/4" | . 37 | . 34 |
| 32 R 24094 | 8 | $11 / 2$ | 130." | . 68 | . 61 |
| 32 R 24102 | 8 | 2\%" | \%31" | . 75 | . 68 |



Plastic knobs with knurled bodies for general application. All have molded hole with set screw for mounting $1 / 4$ round or flatted shafts. Fig. C has white indicator lines. Av. shpg. wt., 2 ors.

| Stock No. |  | - | Color | $\begin{array}{\|l\|l\|} \hline \text { Net Each } \\ 1-24 & 25-99 \\ \hline \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 R 24177 | A | ${ }^{\text {1" }}$ | Walnut | . 18 | 6 |
| 32 R 24185 | A | 1" | 8lack | . 17 | . 15 |
| 32 R 24201 | C | 11/2" | Black | . 22 | . 19 |
| 32 R 24219 | C | 29\%" | Black | . 20 | .17 |
| 32 R 24227 | - | $3 / 4^{\prime \prime}$ | Maroo |  |  |

MATCHED KNOB KITS

- Molded Fram Hi-Impact Plastic
- Brass Screw and Shaft Insert


## - For $1 / 4^{*}$ Round or Flat Shaft



Trim distinctive, functionally styled knobs. Finlshed in an attractlve steel gray and molded from tough hi-impact plastic, the knob is of cylinder design with sure-grip fluted sides and an aluminum ring-set in a recessed face. Rugged brass screw and mounting shaft insert will accept $1 / 4^{\prime \prime}$ round or flat shaft. Each wit confains 5 knobsall same size. Imported. Shpg. wt., 5 oz . $17 / 6^{\prime \prime}$ Diam., $7 /$ B" $^{\prime \prime}$ Deep Kit of 5 .
99 R 61145
Net .89
136" Diam., "Ko" Deep Kit of 5 99 R 61152

Net .89 1"Diam. 11/4" Deep Kit of 5

Net .89

## METAL KNOB KIT <br> 

Set of 3 attractive, lapered aluminum knobs. Set-screw type, it $1 / a^{\prime \prime}$ shaft. Polished concave top. "3o" long, diameter tapers from "Ko" to "Ko". Imported.
99 R 62606 Shpg. wt., 4 oz. Net 1.29
COMMUNICATION
RECEIVER
KNOBS
Molded of Tenite with easy grip knurling. These knobs are $13 /$ sh $^{\prime \prime}$ over-all diameter with chrome-plated bevel skirts. Depressed numerals are black enamelled on chrome plate. Designed to fit $1 / 4^{n}$ shafts.
Numbered $0-10$ through an are of $300^{\circ}$ clock. wise. Imported. Snpg. wt., 3 oz.
99 R 61053
Net ea. . 36

## DIAL CORD

Handy spools of ore-
stretched nylon dial
cord in sizes that cover almost all replace ment needs. Breating strength medium is 35 lbs., standard 20 lbs., thin 15 lbs. Average shpg. wt.t 402.

| tock No. | Type | Diamet | Net. |
| :---: | :---: | :---: | :---: |
| 32 R 80187 | Mediu | . $040^{\prime \prime}$ | 2.60 |
| 32 R 80195 | Standard | .028* | 2.60 |
| 32 R 80203 | Thin | .025' | 2.60 |
| 25 Foot Spools |  |  |  |
| 32 R 80211 | Medium | . $040^{*}$ | 3 |
| 32 R 80229 | Standard | .028" | 3 |
| 32 R 80237 | Thin | .025* |  |
| NATIONAL BALLREDUCTION |  |  |  |
| DRIVEF |  | ISE TU |  |

Efficlent drlve in ratios of $5: 1$ and $10: 1$. Shaft size $1 / 4^{\prime \prime}$ : =iemale coupling one end, $\dagger$ male shafts both ends.
 Shpg. wt., 4 to $80 \mathbf{o z}$.

| Stock Na. | Type Reduction |  |  |
| :--- | ---: | ---: | ---: |
| 32 Net Ea 51352 | NBD1-1 $\dagger$ | $5: 1$ | 4.28 |
| $32 R 51360$ | NBD1-2 | 5.1 | 4.81 |
| $32 R$ | 51378 | N8D2-1 | 10.1 |
| $32 R 51386$ | NED2-2 | $10: 1$ | 4.93 |

# Coils－Coil Forms－Coil Winder 


（Fig．A．）The 34 R 88012 oscillator coil（Re－ vised 5 －lug）is designed for use in a con－ verter oscillator circuit．The 34 R 87022 os－ cillator coil（ $6-\mathrm{lug}$ ）is for use where a sep－ arate transistor is used tor the osciliator and another transistor for the mixer．I．F．Freq． 455 kHz Avg．Shpg－wt．， 3 oz ． Dimensions： $3 / 8^{\mu}$ I $\mathbf{I N}^{\prime \prime}$ high

| Stock No． | Miller | Capacity | Net |
| :--- | ---: | ---: | ---: |
| 34 R 88012 | 2020 | 365 mmf | 2.10 |
| 34 R 87014 | 2022 | $78-100 \mathrm{mmf}$ | 2.10 |
| 34 R 87022 | 2023 | 365 mmf | 2.10 |

## MILLER WIDE RANGE ADIUSTABLE INDUCTORS



For immediate application in many proto－ type designs where the exact value of the required inductance is not known，Induc－ tion measured at 1000 Hz ．Dimensions： max，dia， $3 / 4^{\prime \prime} \times 11 / 4^{\prime \prime}$ long．Specifications for tapped are identical to untapped of refer－ ence types shown．Column headed＂Ratio＂ refers to the total number of turns on the coil to the number of turns to the tap． Shipg．wt．， 302.

| Untapped |  |  | 1 Max | Net |
| :---: | :---: | :---: | :---: | :---: |
| Stock No． | Type | $1 . \mathrm{Min}$ ． |  |  |
| 34\％ 89846 | 9001 | $40 \mu \mathrm{~h}$ | ． 240 MH | 1.59 |
| 34 R 89853 | 9002 | ． 180 MH | H .800 MH | 1，80 |
| 34 R 89861 | 9003 | ． 570 MH | H 2.80 MH | 2.15 |
| 4 R 89887 | 9005 | 6．00 MH | H 16.0 MH | 2.88 |
| 4 R 89895 | 9006 | 12.0 MH | H 40.0 MH | 3.27 |
| 4 R 89911 | 9008 | 78.0 MH | H 240．MH | 3.39 |
| 34 R 86511 | 9009 | 180．MH | H 750．MH | 3.54 |
| Stock No． | Tapped Trpe | $\begin{aligned} & \text { Ref. } \\ & \text { Type } \end{aligned}$ | Ratie | ผ |
| 34 R 89937 | 9012 | 9002 | 204／68 | 2.16 |
| 34 月 89945 | 9013 | 9003 | 376／128 | 2.52 |
| 34 R 89978 | 9016 | 9006 | 1480／493 | 3.27 |
| 34 R 89994 | 9018 | 9008 | 3860／1286 | 3.78 |
| 34 R 86529 | 9019 | 9009 | 6100／2030 | 3.95 |

## STANDARD ADIUSTABLE

CERAMIC FORM AND R．F．COILS
Permeablity tuned colls wound on sllicone impregnated ceramic forms．Hardware neces－ sary for assembly is supplied．
Dimensions（form）： $3 / 8^{" \prime}$ diameter $\times 1 \mathrm{Ko}$ long．Shpg．wt．， 302.

|  |  |  |  | 34 | 107RBI | ． 088 | 120 | 68 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No． | Type | Microhenries | Net | 34 R 89416 | 157RBI | ． 108 | 180 | 1.68 |
| 34 R 89515 | 4400 | Form Only | 2.15 | 34 R 89408 | 477RB1 | ． 356 | ． 564 | 1.76 |
| 34 R 87535 | 4404 | 1．6－3．1 | 2.66 | 34 R 89374 | 687R | ． 508 | ． 816 | 1.76 |
| 34 R 87543 | 4405 | 3．3－6．5 | 2.70 | 34 R 89382 | 827 RBI | ． 735 | 984 | 1.76 |
| 34 R 87550 | 4406 | 7．3－14 | 2.71 | 34 R 89358 | 106R81 | ． 885 | 120 | 1.76 |
| 34 R 37568 | 4407 | 16－29 | 2.84 | 34 R 89366 | 156RB | 1.08 | 1.80 | 1.76 |
| 34 R 97576 | 4408 | 33－66 | 3.02 | 34 R 89333 | 226RBI | 1.62 | 2.64 | 1.76 |
| 34 R 87584 | 4409 | 74－124 | 3.10 | 34 R 89341 | 336RBI | 2.38 | 3.96 | 1.76 |
| 34 R 87592 | 4410 | 138－238 | 3.13 | 34 ¢ 18335 | 686RBI | 5.08 | 8.16 | 1.76 |
| 34 R 87600 | 4411 | 270－451 | 3.17 | 34 R 89291 | 826RB | 7.35 | 9.84 | 1.76 |
| 34 R 87518 | 4412 | 495－760 | 3.20 | 34 R 89275 | 155RBI | 10.8 | 18.0 | 1.99 |
| $34 \times 87626$ | 4413 | 825－1300 | 3.24 | 34 R 89259 | 335RBI | 23.8 | 39.6 | 1.99 |
| 34 日 87634 | 4414 | 1400－2000 | 3.24 | $34 \mathrm{R} 1 \mathrm{~S}^{2} 26$ | 154RBI | 108. | 180. | 1.99 |



UNIVERSAL ADJUSTABLE OSC．COIL
（Fig．D．）Adjustable iron core oscillator coll for general replacement use．RF freq． 500 1800 kHz ，IF freq． $100-500 \mathrm{kHz}$ ．Dimensions 50＂ $11 / 2^{\prime \prime}$ high．Shpg．wt．， 302. 34 R 9704 Miller Type 71 －0SC

Net 3.36

## MILLER R．F．COIL FORMS

Fine grade quality coll forms．Fre－ quency range of core is $1-20 \mathrm{MHz}$ ． Types 20A000－2，21A000－2，22A000－2 are constructed of a phenol impreg－ nated tubling which could be certified to MIL－P－798，type PBG．Type $4200-2$ is strong nylon．Types $4300-2$ ． $4400-2$, $4500-2$ are made of sticone－impreg－ nated ceramic．In accordance with JAN 1－10，grade L5．Hardware is included．Shpg．wt．， 3 oz．


## 3－SECTION R．F．CHOKES

Size：K．＂dia．$x x^{3 / 4}$ long． Shpg．wt．， 302
A new series of R．F．Chokes taking advan－ tage of the high permeability of ferrite cores．These chokes combline high Induct－ ance and low D．C．resistance．

| Stock No．Willer mh | mhms Max | ma | Net |  |  |  |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 34 | R 88277 | 4646 | 0.24 | 8.16 | 125 | .89 |
| 34 | R 88285 | 4649 | 0.55 | 13.2 | 125 | .95 | $\begin{array}{llllll}34 & \text { R } 88285 & 4649 & 0.55 & 13.2 & 125 \\ 34 & .95 \\ 388293 & 4652 & 1.0 & 19.8 & 125 & .95\end{array}$



COILMASTER DELUXE ACCURATE COIL WINDER
Latest redesigned model gives even greater accuracy than ever to meet modern requirements．Easy－to－use set winds honeycomb，spiderweb and solenoid coils of various widths and diameters－equal in appearance to a factory job．Also suitable for winding chokes，trans－ formers and fliter inductors．Indicator counts number of turns on coll．Uses 22 10 40 wire．Supplled with accessories including wood spools，metal pegholders and extension for making long solenoid coils．Instruc－ tions included，but less coil form and pegs．Shpg．wt．， 2 lbs ．
32 R 97018
Net 8.25

HIGH－Q R．F．COILS
（Fig．E．）A complete line of unshielded per－ meabllity tuned coils for replacement use of as the front end components in new receiver design．Ranges shown are for use with a 365 mmfd variable tuning condenser． Dimensions： $7 \mathrm{H}^{\prime \prime} \times 2^{\prime}$ ．Avg．shpg．wt．， 3 oz ．
Stech No．Miller No．

## LONG－wave colls（ $140-420 \mathrm{hm}$ ）

34 R 87063 X－5495－A
Antenna Stage 34 R 97089 X－5495－C Standard Osc．Stage 34 R 87097 X－5496－C Tadoed Osc． 455 kHz Any of above

Net ea． 3.42
BRDAOCAST BAND COLLS（540．1700（kHz） 34 R 87105 A－5495－A

Antenna Stage 34 R 97113 A－5495－RF RF Stage 34 R 07121 A． 5495 －C Standard Osc． 455 kHz 34 R 87139 A－5496．C Tapped Osc． 455 hHz MEDIUM WAVE COILS（1．75．5 MHz） 34 R 87147 B－5495－A Antenna Stage 34 R 17154 B－5495－RF RF Stage 34 R B7162 B－5495－C Standard Osc． 455 hHz 34 R 88186 B－5496．C Tapped Osc． 455 hHz SHORT WAVE BROADCAST COILS（ 5.18 MHz ） 34 R 87519 C－5495．A Antenna Stage 34 R 87170 C－5495－RF RE Stage 34 R B7188 C．5495－C Standard Osc． 455 kHz 34 R 37196 C－5496－C Tapped Osc． 455 kHz

HIGH FREQUENCY COILS（ $\mathbf{1 2 - 3 6} \mathrm{MHz}$ ） 34 R 87204 0－5495－A Antenna Stage 34 R 87212 D－5495－RF RF Stage 34 R a7220 0．5495－C Standard Osc． 455 kHz $34 \mathrm{Ra7238}$ D－5496－C Tapped Osc． 455 hHz
Any of above．

HIGH－Q FERRITE ANT．COHL
（Fig．G）Highly efficient broadcast band an－ tenna coll for use in small recelvers where no external antenna is desired．High－per－ meabillty low loss ferrite luning core．Freq． range， $540-1700 \mathrm{kHz}$ Supplied with mounting bracket and $18^{\circ}$ polyethylene insulated an－ tenna wire．Size： $3 / 8^{\prime \prime} \times 21 / 4^{\prime \prime}$ ．Wt．， 3 oz． 34 R 87055 miller 6300 ．．．．．．．．．．．．．． 1.52

## 10．7 MHz TRANSISTOR I．F．＇S

（Fig．F．）A complete series of IF Transform－ ers specifically designed for operation with transistors．Single tuned IF＇s and double tuned ratio detector．Slze：If－${ }^{\prime \prime} y^{\prime \prime}$ sq．$x$ 5／4＂high－Size：ratio detector－ $1 / x_{2}{ }^{\prime \prime} x^{3 / 4}{ }^{\prime \prime} x$ $1 / 2^{\prime \prime}$ high．Shpg，wt．， 3 oz．Net Ea

| $34 R 88145$ | 2070 | 1st If | 3.42 |
| :--- | :--- | :--- | :--- |
| $34 R 88152$ | 2071 | 2nd IF | 3.42 |
| 34 R 88160 | 2072 | 3rd IF | 3.42 |
| $34 R 88178$ | 2073 | Ratlo Det． | 4.07 |

## 3／4＂PERMEABILITY

## TUNED I．F．COILS

Tuned IOD and bottom．Dowdered iron cores Silvered mica condensers，molded plastic bases，etched aluminum cans． $3 / 4 \times 3 / 4 \times 2^{\prime \prime}$ With mounting clip and plate．Spade bolt mtg ．with leads．$t=$ with dlode condenser． ShDg．wt．， 302.

| Stock No ． | $\begin{aligned} & \text { Meissne } \\ & \text { Type } \end{aligned}$ | Function | Wet |
| :---: | :---: | :---: | :---: |
| 32\％ 5532 | 58 | 455 WH2 input | 2.18 |
| 32 R 55346 | 16－6752 | 262 kHz Input | 1.86 |
| 32 R 55361 | 16－3487 | 10．7 MHz FM Input | 3.72 |
| 32 R 55379 | 16－6678＊ | $455 \mathrm{hHz} \mathrm{AC-DC}$ | 3.83 |
| HORIZONTAL LINEARITY <br> AND WIDTH CONTROLS |  |  |  |
|  |  |  |  |
| Iron core variable inductance coils for iline－ arity and width adjustment．Wound on a bakelite form 3／4＂in diameter．Mig．clip fits Ko＂hole．6300＇s－phenolic form．Avg． shpg．wt．， 302. |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Stock No． | Miller | Millihent |  |
| 34 只 18384 | 6196－A | ．054－50 Tapped | 2，12 |
| 34 R 18442 | 6314 | 2．0－18 | 1.75 |
| 34 R 88459 | 6315 | 4．0－30 | 1.75 |
| 34 R 18483 | 6318 | ．20－3．0 | 1.59 |
| 34 R 88491 | 6319 | 15－60 | 2.16 |
| 34 R 10517 | 6321 | 1．0．5．0 Tapped | 2.03 |
| 34 R 88525 | 6322 | 1．5－10 | 1.69 |
| 34.89853 | 6323 | ． $50-5.0$ Tapped | 2.03 |
| 34 R 8541 | 6324 | 60－130 Tapped | 2.16 |
| 34 R 86487 | 6329 | 2．2－10 Tapped | 2.16 |
| 34 R 26495 | 6330 | 45－215 | 2.39 |

## Coils and Chokes

## MILLER COMMUNICATIONS I.F. TRANSFORMERS

Designed for experimentai use in communications equipment where selectivity and stability are important. The $100 \mathrm{kHz} \mathrm{L.F}$. tube application, while the 455 kHz crystal filter I.F transformers have taps on the winding to allow for use with both fubes anc transistors. The $1800 \mathrm{kHz} \mathrm{I.F}$. former offers the best possible " $Q$ " with stability to give a degree of selectivity that compares with lower fre. quency I.F. transformers. This transformer is for use with tubes only. Type number 1770 is a double'tuned I.F. iransformer having taps on both Primary arid Secondary winding. Dimensions: $3 / 4^{\prime \prime}$ by $3 / 4^{\prime \prime}$ Dy $2^{\prime \prime}$ high. Average shpg. Wt., 4 oz.

| Stock Mo. Type | Description |  |
| :---: | :---: | :---: |
| 34 R 864041709 | $100 \mathrm{kHz} \mathrm{I.F}-.2.5 \mathrm{kHz}$ Bandwid |  |
| 34 R 878401710 | $100 \mathrm{kHz} \mathrm{1.F-3} \mathrm{hHz}^{\text {Bandwidth }}$ | 3.1 |
| 34 R 878571711 | 100 kHz E.F.O. | 2.95 |
| 34 R 878651725 | 455 kHz Crystal Filter I.F. Input | 3.31 |
| 34 R 878731726 | 455 kHz Crystal Filter I.F. Output | 2.95 |
| 34 R 878811727 | 455 kHz B.F.O. | 2.74 |
| 34 R 878991730 | 1800 kHz 1.F. -25 kHz Bandwidth | 3.17 |
| 34 R B7907 1770 | 455 kHz Doutle Tuned Transistor I.F.- $30 \mathrm{~K}: 1 \mathrm{~K}$ | 3.82 |
| 34 R 879151731 | 1610 kHz Linh Coupiing Coll Unshielded | 3.60 |
| 348864121732 | 1650 kHz 1.F. (Citizens Band Iransceivers) | 3.17 |
| 34 R 864201733 | 1650 kHz Printed Circuit P.F. | 3.17 |
| 34 <br> 34 R 8643817440 | 9 MHz S.S.B. Input Trans. | 3.17 |
| 34 R 863961741 | $9 \mathrm{MHz} \mathrm{S.S.B} .\mathrm{Output} \mathrm{Trans}$. |  |

## MILLER FM STEREO MULTIPLEX INOUCTORS

For use in FM Stereo Mustiplex tuners and receivers, both standard and printed circuit. Size: $3 / 4^{\prime \prime}$ s 9 . $x 17 / 32^{\prime \prime}$ high. Shpg. wt., 302.

| STANDARO |  |  |  |
| :---: | :---: | :---: | :---: |
| Stock No. | Type | Description | Net |
| 34 a 88149 | 1351 | Low Pass Filter | 2.99 |
| 34 R 88756 | 1352 | Band Pass Filter Series Element | 2.7 |
| 34 R 88764 | 1353 | Band Pass Filter Shunt Element | 2. |
| 34 R 88772 | 1354 | Locked Oscillator 19 kHz | 3. |
| 34 R 88780 | 1355 | Output Trasnformer 38 kHz | 3.60 |
| 34 R 88798 |  | PRINTED CIRCUIT |  |
| 34 R 88806 | 1352-PC | Low Pass Fitter | 2.99 |
| 34 R88814 | 1353-PC | Band Pass Filter Shunt Element | 2.99 |
| 34 R 88822 | 1354.PC | Locked Osciliator, 19 kHz | 3.46 |
| 34 R 88830 | 1355.PC | Output Transiormer, 38 kHz | 3.46 | For use in a newly designed circult that eliminates the 19 kHz Oscillator and resulting synchronizing problems. In conjunction with an improved low pass filter and detecting system. Improved separation can be achieved. Shpg. wt., 3 oz.


| Stock No. | Tyge | Oeseription | Met |
| :--- | :--- | :--- | :--- | :--- |
| 34 R 87816 | 1356 | 19 KHz Output | $\mathbf{3 . 4 9}$ |
| 34 R 87824 | 1357 | 38 KHz Input | $\mathbf{3 . 4 6}$ |
| 34 R 87832 | 1358 | Low Pass Fiter | $\mathbf{3 . 6 0}$ |

## FERRITE CORE <br> R.F. CHOKES

A new seriés of R.F. Chokes taking advan tage of the high permeabillty of ferrite cores. These chokes combine high inductance and low D.C. resistance. Size: $1 / 4^{-\prime}$ diameter $x 7 / 6^{\prime \prime}$ long. $11 / 2^{\prime \prime}$ axial leads.

| Stock Mo. | mitter Type | mh | Ohms Max | ma. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 87923 | 6302 | 2.5 | 9 | 160 | 1.24 |
| 34 R a7931 | 6304 | 5 | 14 | 160 | 1.43 |
| 34 R 87949 | 6306 | 10 | 31 | 100 | 1.59 |
| 34. R 87956 | 6308 | 25 | 82 | 65 | 1.59 |
| 34 R 87964 | 6310 | 50 | 127 | 65 | 1.91 |

FREQUENCY SELECTIVE R.F. CHOKES


Designed for maximum efficiency and highest imped ance at specific operating frequencies, this group of A.F. chokes eliminates the designers task of attempting to choose the best coil for a particular application, Designed to cover the major Amateur, Industrial, and citizens bands. Shpg. wi., 3 oz.

| Steck | Miller Type No. |  | Freq. | Fig. Net |
| :---: | :---: | :---: | :---: | :---: |
| 34 R 89697 | RFC. 14 | 84 uh | 7.20 | 11.49 |
| 34 R 89705 | RFC-21 | 38.5 mh | 15-30 | 11.21 |
| 34 R 89713 | RFC-28 | $24 \mu \mathrm{~h}$ | 25-40 | 2 |
| 34 R 89721 | RFC-50 | 8.2 mh | 30.90 | 21. |
| 34 R 89739 | RFC-144 | $1.72 \mu \mathrm{~h}$ | 75-180 | 280 |
| 34 R 89747 | RFC-220 | . $82 \mu \mathrm{~h}$ | 160.340 | 2 . 0 |
| 34 A 89754 | RFC. 420 | . 22 uh | 325.500 |  |

## ECONOMY ADJUSTABLE <br> R.F. CHOKES

A recently developed nylon molding process makes possible an inexpensive line of ad. justable chokes. They are adjustable from either the top or the bottom giving you design flexibility. Mounting is achieved by way of a metal clip in a $\mathrm{K}_{6}^{\prime \prime}$ hole. Dimen. sions: $3 / 413 / 4$ long. Shpg, wt., 3 oz.

| Stock No. | Miller Type | Microhenries | Net |
| :---: | :---: | :---: | :---: |
| 34 R 89507 | 4200 | Form enly | . 6 |
| 34 R 39762 | 4202 | 1-2.5 | 1.30 |
| 34 R 89770 | 4203 | 2-5.5 | 1.34 |
| 34 R 89780 | 4204 | 5-12 | 1.37 |
| 34 R 89796 | 4205 | 10.25 | 1.40 |
| 34 R 89804 | 4206 | 20-55 | 1.49 |
| 34 R 89812 | 4207 | 50-140 | 1.52 |
| 34 R 89820 | 4208 | 120.330 | 1.56 |
| 34 R 89838 | 4209 | 310-860 | 1.59 |

SUBMINIATURE AOJUSTABLE R.F. COILS


These compact adjustable coils offer a minimum two-to-one inductance range with relatively small changes in $Q$. The tuning adjustment is accessible from either the top or bottom of the coii assembly. Magnetic and elec trostatic shielding. Printed circuit terminals Size: $1 / 2$ " sq. $x$ 5/6" high. Avg. shpg. wt., 3 oz.


## MILLER HEAVY DUTY HASH CHOKES

Molded powdered iron form offer a series of relatively high inductance, high current hash filter chokes.

| Stock No. | Part | Uh. <br> $\pm 20 \%$ | Ohms <br> Max. | Amp. Net |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 34 R 86586 | 5218 | 3.35 | .010 | 13 | 1.85 |
| 34 R 86594 | 5220 | 8.8 | .021 | 5 | 1.85 |
| 34 R 86510 | 5240 | 40.0 | .082 | 2 | 1.32 |
| 34 R 86602 | 5248 | 68.0 | .054 | 5 | 1.50 |
| 34 R 86628 | 5250 | 100.0 | .216 | 2 | 1.50 |

## NATIONAL RF CHOKES

Wound on ceramic form except R33, R50 and R60 series on bakelite. All have fungus resistant varnish coat. Type R33 is 2 section, e 50 are 3 and 4 section. Types with $\dagger$ mounted on fixed standoff insulator. Types ending in $U$ have removable standoff. Shpg. wt., R-154U, 5 or. All others, 2 oz. $\ddagger=$ Millihenries $\quad$ Microhenrles

| Stock No. | $\begin{aligned} & \text { Mifr. } \\ & \text { Type } \end{aligned}$ | Fig. | MH $\ddagger$ | $\ddagger \mathrm{Ma}$ | Ohms | MET EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $32 \% 51014$ | R-100 | A | 2.5 | 115 | 44 |  |  |
| 32 R 51022 | R. 100 | A | 5 | 70 | 90 | 1.15 |  |
| 32 <br> 32 <br> 32 | R-100 R-100Ut | A | 10 | 60 | 130 | 1.35 |  |
| 32 R 51063 | R-100U $\dagger$ | B | 10 | 60 | 130 | 1.80 |  |
| 32 \& 51121 | R-300 | A | 1 | 400 | 11 | . 80 | A B |
| 32 R 51154 | R.300ST | C | 2.5 | 375 | 17 | 1.00 |  |
| $32 \mathrm{R} 511 \mathrm{E2}$ | R-50 | D | . 5 | 150 | 15 | . 60 |  |
| 32 R 51170 | R. 50 | D | 1 | 135 | 23 | . 60 |  |
| 32 R 51196 | R-50 | D | 10 | 115 | 36 | . 05 |  |
| 32 R 51212 | R-154U | F | 1. | 600 | 6 | 4.00 |  |
| 32 C 51238 | R.33 | D | 1 . | 850 | . 06 | . 48 |  |
| 32 <br> 32 <br> 12 | R-33 | 0 | 11. | 350 | 1.8 | . 45 |  |
| 32 R 51253 | R-33 | 0 | 50. | 225 | 3.5 | . 45 |  |
| $32 \text { \& } 51261$ | R. 33 | D | $100^{\circ}$ | 200 | 5 | . 46 | E |
| $32 R 51279$ <br> 32 R 51287 | R.33 R. 60 | D | 750 ${ }^{\circ}{ }^{\circ}$ | 125 | 16 | . 48 |  |
| 32 R 51295 ค | R. $40-3.3$ | 6 | 3.3 | 125 | 15.7 | . 51 |  |

SEnSITIVE MINIATURE RELAY


Extremely small, sensitive relayweighs only $1 / 2$ oz! Double-pole double-throw, with sllver and sil-ver-gold-platinum alloy contacts. Contact handie up to 100 volts at 300 ma. ( 30 watts). Coil measures 5,300 ohms DC resistance-rated at 4.1 ma o oc pull-in current, 0.95 ma . DC, drop-out. Enclosed in transparent plastic dust cover; Operating time 2.8 millisecs; release time about 1.5 msecs. Breakdown voltage rating: coll to frame, 500 V .; contacts to frame 350 V . Meas. ures $11 / 0 \times 11 / 10 \times 7 / \mathrm{C}^{\prime \prime}$. Ideal for model control, photocell relay, carrier-current control and dozens of other miniature applications. Imported. Shpg. wt., 402.
OPDT Miniature OC Relay
99 R 60e3:
Net 2.95

## HAND TALLY REGISTER



- 4 Digit Capacity
- Counts 0.9999
- Single Jurn Reset Knob
Registers 0 to 9999. Highly polished chromlum plated brass case. Atfached 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 con-trol-gate checking-traffic, etc. Small size,
 cealed operation. Imported. Wt. 5 oz. 99 R 90300

Net 2.49

## 5-DIGIT STROKE-ACTUATED <br> RESET COUNTER

Easy-to-mount rugged counter for counting machine operations. One count per stroke. Dritled mounting flange: actuating arm and spring. May be manualiy or soienoid actuated. Reads up to 99,999; side knob easily resets to zero from any number. Overall size: $21 / 2 \times 11 / 2{ }^{1} \mathcal{H}^{\prime \prime}$. Imported. Wt., 1/2 ib. 99 R 90292 Net 3.49
6-DIGIT ELECTRIC COUNTER


May de 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, DC operated solenoid, chrome-plated. 6" leads, 110 V, AC, $50 / 60$ Hz , Size: $21 / 2 \times 2 \times 13 / 4{ }^{\prime \prime}$. Removable front plate: $35 \times 2^{\prime \prime}$. Imported, Shipg, wt., 1 lb 99 R 90110

Net 12,95

## relay tools

JONARD RELAY TOOLS

## POCKET CLEANER-BURWISHERS

Compact penfife for cleaning and burnishing relay contacts. Replaceable steel blades leave no residue. Plastic cap permits working on "live" contacts. Chromed barrel with pocket clip. With 12 blades. Size: Ho $\times 512^{\prime \prime}$ Shpg. wt. $30 z$.
P-4, Penfile with 12 RB $-4,1 / 4 \times 11 / 4^{\prime \prime}$ blades. 12 R 22058

Net 4.82 P. 6 , Penfile with 12 B-6, 火o $\times 13 / 4^{\prime \prime}$ blades. 12 R 22066

Net 4.02
RB-4, Replacement blades for P-4, pkg. 25. 12 R 22074 Shpg. wt., 3 oz. Net 5.02 RB. 6 Replacement blades for P-6, pkg. 25 12 R 22082 Shpr. wt. . 4 oz. ... Net 5.02 SPRING TENSION GAUGES


Precision gauges for determining tension of relay and other electronic springs. Engraved scale, front and back for indicating horizontally or verticallv. Center-to-left or center to.right reading. $11 / 2 \times 5^{\prime \prime}$. Shpg. wt., $1 / 4 \mathrm{lb}$. G.10, 0.10 gram rauge in 1 gram steps.

12 R 22108
Net 9.15
G.50, 0.50 gram qaure in 5 gram steps.

12 R 22116 Shpg. wt. 5 oz. Net 9.15


Extremely sensitive meter type relay, Norm ally open. Ideal suited for uses with model railroad, photoelectric relay circult, babytenders, remote cóntrol toys, remote control boats, fire alarm, and many other practical applications. Precision-built meter movement provides virtually friction-free move ment. Contact will close at 2 milliamps. In ternal resistance 100 ahms. Meter movement rated 5 ma continuous, 10 ma momentary contacts rated 500 ma continuous momentary 1 amp at 3 v and 250 ma at $6 . v$ with resistive load. Sensitivity: $2.5-.6 \mathrm{mw}$. Internally adjustable. Relay is enclosed entirely and transparent cover permits observation. Sold er pins are placed externally for easy connections. SPST. Size: $13 / 4 \times 15 / 8 \times 13 / 4^{\prime \prime}$. 1 m ported. Shpg. wt., 5 ozs.

Net 4.39
LITTLE "JEWEL"


REMOTE
CONTROL RELAY 229
A natural for remole control recelvers, it is highly sensitive, and built to withstand severe crashes. The smallest commercial job avallable, it weighs less than $1 / 2 \mathrm{az}$. Factory adjusted to pull in at 1.4 MA drop out at 1.2 MA D.C. Single pole, double throw. Used in many R/C receivers. 5,000 ohm coll. Imported.
99 R 60915
Net 2.29

## COUNTERS

ALCO ISOLATION CONTROL RELAYS


- No More Hot AC Line Dangers in Your Equipment Switches and Controls!
Permits any on-off power switch or control circuit to be isolated from the dangerous AC line voltage and to be operated safely. Excellent for remote operation of vacuum cleaners, TV sets, electric lawn mowers, floor scrubbers, heating systems. burglar alarms, slide projectors, attic fans, stereo $\mathrm{m} \cdot \mathrm{fi}$, machine control, etc. Mandle up to 600 Watts of power and may be operated from remote switches up to several hundred feet away. With 6 inch leads and two $8 / 32$ thread mounting holes. Size: Model FR-105 $=1.770^{\circ} \mathrm{L} \times 1.319^{\circ} \mathrm{W} \times 1.385^{\circ} \mathrm{H}$; Model FR. $102=2.130^{\prime} \mathrm{L} \times 1.733^{\prime} \mathrm{W} \times 1.531^{\prime \prime} \mathrm{H}$; Model $5 R E-103=2.800^{\prime \prime} \mathrm{L} \times 2.000^{\circ} \mathrm{W} \times 1.440^{\prime \prime} \mathrm{H}$. Shpg. wt. 80 oz.
Stock No. Model Contacts Circuit Resist. Net 30 R 12036 FR- 105 SPST 50 ohms 3.85 30 R 12010 FR. 102 SPDT 300 ohms 4.45 30 R 12028 FRE-103t SPOT 400 ohms 4.95 1 = AC Uutlet Plug-In types. Has side jack for plug in of remote switch or sensor


Heavy-duty SPOT coaxial relays rated 1 KW, Impedance, 50 ohms. Life, over $1,000,000$ operations. VSWR, less than $1.15: 1$ from 0 to 500 MHz . Features patented automatic receiver-protecting connector for positive isolation of RF from recelver: Greater than 100 db isolation between receiver and trans. mitter lines from 0 to 500 MHz / With UMF coaxial connectors and 2 Form C Aux. Contacts. Size: $3.00^{\prime \prime} \times 0.88^{\prime \prime} \times 0.88^{\prime \prime}$. Shpg. wt., 1208 .
Stock No. Type Coil Volts net Ea.
40 R 52015 60-262842 115VAC 21.78

## 5.CHANNEL RESONANT REED

 HOBBY RELAY

- Forr/C Hobby and C8 Tone Receiv. ers. For High Stability Oscillator Contral
Frequency tolerance $\pm 1 \%$. Features low tuning error, good temperature stability, low driving requirements. SPECIFICATIONS: (at $25^{\circ} \mathrm{C}$ ): Frequency stabillty: $\pm .0025 \%$ per degree C over the range of - 40 to $+85^{\circ}$ C: Coil resistance: 600 ohms $D C \pm 10 \%$; Threshold Sensitlvity: 1.0 V mms to 2.0 V rms at resonant fr equency; Operating level: 6.0 vrms. Design frequencies; $\left(\mathrm{Hz}_{2}\right) \pm 1.0 \%$ REEDS: $A=266.0, B=280.8, C=313.0, D$ $349.0, E=389.0 \mathrm{~Hz}$. 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 back. Size: $1 K_{0} \times 13_{6} \times 11 / 4^{* \prime}$. Shpg. wt., 9 oz. 42 R 61012
MULTI-COUNTER 5-POSITION TALLY REGISTER
Five plunger operated tally registefs 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 knurled reset knob on side returns all 5 positions to zero simultaneously: Overall size: $51 / 4 \mathrm{~W} \times 17 / \mathrm{sH} \times 1 / 16{ }^{\circ} \mathrm{D}$. Im ported. Shpg. wL, 1 lb.
99 R 90318


## Now - from Columbia - at great savings

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 <br> <br> any 7 records}


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199828


202176 \%


201905


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TAPE CASSETTES


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204230/204248 Counts as 2 solections

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205799 \%


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203885


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Just look at this great selection of recorded entertainment-available in your cholce of 8 Track Cartridges OR Tape Cassettes OR Reel-to-Reel Tapes OR $12^{\prime \prime}$ Stereo RecordsI
To receive your 7 tapes or records for $\$ 3.98$, just fill in and mail the postpaid card provided. Indicate which type of recorded music you preter . . . Cartridges, cassettes, reel tapes or records ... and your seven selections will be sent upon enroliment.
As a member you will receive, every four weeks, an informative music magazine - describing the regular selection for the month, and scores of alternate selections from every ield of music.

If you do not want any selection in any month - merely return the special card by the date specified. If you want only the regular selection, do nothing - it will be shipped to you automatically. Or use the card to order any of the alternate selections offered. And from tlme to time, we will offer some special selections which you may reject by returning the dated form provided - or accept by simply doing nothing.
Your own charge account will be opened upon enrollment ... and selections will be mailed and billed to you at our regular prices: cartridges and cassettes, $\$ 6.98$; reel-to-reel tapes, $\$ 7.98$; records, $\$ 4.98$ or $\$ 5.98 \ldots$ plus a processing and postage charge. (Occaslonal special selections may be somewhat higher.)
Fantastic bonus plan. Your only obligation is to buy seven selections (at regular Club prices) during the coming year. After doing so, you have no further obligation - and you may cancel membership at any time. If you decide to continue, you will be eligible for our generous bonus plan - which can save you at least $33 \%$ on all your future purchases!

Please accept my membership in the Club. I am interested In the following type of recorded entertainment:

| Be sure to |
| :--- |
| check one |
| box only |

 Tape Carildges (AN-W)

941
box only Tape Casseltes (AO-X) Reel-to-Reel Tapes (BX-Y) 12" Stereo Records (72-Z)

Send me the seven selections Indicated, and bill me only $\$ 3.98$, plus processing and postage. I agree to buy seven more selections (at regular Club prices) during the coming year, and may cancel membership any time thereafter. If I continue. I'li be eligible for your bonus plan.

All selections will be described in advance in the Club magazine, sent every four weeks. If I do not want any selection, I'll return the selection card by the date specified - or use it to order any selection I do want. If I want only the regular selection for my musical interest, I need do nothing - It will be sent automatically. And from time to time, I'll be offered special selections which I may accept or reject by using the dated form always provided.

> MY MAIN MUSICAL INTEREST IS (check one box only) $\square$ Easy Listening $\square$ Young Sounds $\square$ Country

Mr.
$\square$ Miss.
(Please Print)
First Name
Initial

SEND ME THESE 7 SELECTIONS FOR ONLY $\$ 3.98$




* Selections marked with a star are not availablo In rool tapos


# Amperite．．．Hart－Advance．．．．hillum Relays 

## AMPERITE THERMOSTATIC DELAY RELAYS

Meater－actuated time－delay mibys．Operate on AC．DC or pulsating current．Hermetically sealed in glast envelope with $x$ cal base．Spest， normally open．closed by heater ather delay （in sec．）Neater draws only 2 watts．Contacts rated 3 amo ．at 115 YAC or 10 amo at 220 V AC．Shpg．wt．， 502 Size $23^{-} \times 11 / 4^{-}$diameter．

| Delay Ste． | Mermally Dpen |  | Mermalt；Closed |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { E. } 3 v \\ A C-D C \end{gathered}$ | l1st | $\operatorname{s.30}$ | 115 V meac |
| 2 | 33 m 35015 | 33 m 35140 | 33 R 35254 | 33 п 35397 |
| 5 | 33 n 35023 | 33日 35153 | 33 R 35268 | 33 n 35395 |
| 10 | 33 a 35031 | 30 年 35463 | 33935270 | 33 R 35409 |
| 15 | 33 P 35049 | 33 m 35071 | 33 R 35248 | 338 35411 |
| 20 | 33 ¢ 35058 | 33 n 351 s | 33 n 35294 | 330 35429 |
| 30 | 23835044 | 33 x 3197 | $3)^{1} \mathbf{8 5 3 0 4}$ | 33 \％ 35437 |
| 45 | 33835077 | 33 R 35205 | 33－35312 | 33 R 35445 |
| 60 | 33月 35080 | 33 R 35213 | $33 \mathrm{B5320}$ | 33 ค 35452 |
| 75 | 331135098 | 33 円 35221 | 33 － 35330 | 33 ค 35460 |
| 90 | 33日 35103 | 30 （15．239 | 33 ค 35346 | 33 碞 3547 |
| 120 | 33.35114 | 13 ［ 13548 | 33 ～ 35353 | 33－35486 |
| 150 | 33 ¢ 33122 |  | 33 \％ 35361 |  |
| 180 | 35 通 35130 |  | 33 －35372 |  |

Any of aoove $\qquad$ Net ea． 2.40
minimtore Relays．Same type delay relays as above，avaitable in miniature size，with delays from 2 to 120 sec ．Contacts rated 2 Amps，at 115 VAC or 1 Amp．St 220 VAC．Has 9 pin miniature base． Size $24 \times 7 / 8$ dia．Shpt．wh．， 401

| Delay sec． | Wormaily Open |  | Mormally Closed |  |
| :---: | :---: | :---: | :---: | :---: |
|  | BC-DE | $\begin{aligned} & 11 \pi \\ & A C-H C \end{aligned}$ | $\begin{gathered} \text { 5. } 3 Y \\ A C-D C \end{gathered}$ | $115 \mathrm{~V}$ $A C-A C$ |
| 2 | $30 \mathrm{ll} \mathrm{m}^{\prime} 35454$ | 33 35001 | 33 R 35718 | 33 ？ 35025 |
| 5 | 33 R 35502 | 310 | 33835726 | 33． 35833 |
| 10 | 33－355\％ | 33.13427 | 33 先 35734 | 33 m 35041 |
| 15 | 33 Cl 35520 | 33 Cl 3585 | 33 ¢ 35742 | 33 ¢ 3585 |
| 20 | 30 R 35536 | 33 R 34143 | 33 R 35759 | 33 ： 35466 |
| 30 | 33 R 35544 | 33 R 35450 | 33 日 35767 | 33 R 35814 |
| 45 | 33 R 35351 | 33 A 3688 | 13 ¢ 35775 | 33 R 35852 |
| 60 | 33 n 35509 | 33 R35676 | 33 ¢35783 | 33 － 35390 |
| 75 | 33 ¢ 35577 | 33 R 35884 | 33 ¢ 35781 | 33 R 35900 |
| 90 | 33 \％ 35585 | 33 目35892 | 33 \％ 35809 | 33 R 35916 |
| 120 | 33 n 35593 | 37 g 3570 | 33 R35817 | 33 ह 35524 |
| Any of | above |  |  | Net ea， 2.40 |

## MILLBURN RELAYS

MG POWER DELAYs are most effective for power transfer or control of multiple cir－ cuits．Used for motor controls，lighting automation，moblke，alr－coneitioning，ele－ vators，Cte．Completely inisulated from mounting bracket and grounded by insulated washers and barrier strip which meets U／requirements for over air and over surface spacime．Insulation tested at 1250 VAC．Contacts：heavy duty，positive action $1 / 4^{-}$－fine silver rated 15 amperes．Mounts by two \＃6－32NC－28 thread holes in $2^{-}$
 Shpe．w？ 801


| Stocel Me． | cataloge mo． | Veits | Mominal Prosurer | Resistane （Jtems） | Centacts | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 R 20285 | MG－1C－115A | 115．VAC | 5.3 VA | 585 | SPPI | 4.31 |
| 30． 20234 | M6－2C－115A | 115 VAC | 5.3 VA | 585 | DPOT | 6．33 |

## PSJ SENSITWE CIRCUTH RELAY

A highly sensilive compact relay adaptable for sinate and mustiple ercuit control where reliability and low operating powers are indicated．Terminal bowd and arma ture assembly molded with btack－general purpose phemotic for excellent insulating properties．Contacts： $54-3 / 15^{*}$ silver cad mium oxide gold plated，Sensitivity： 100 MW per pole．Mounts by two $5.32 \mathrm{NC}-2 \mathrm{BTMD}$ ． holes on $1.437^{-}$centers．Sire： $11 \mathrm{hs}^{-7} \times 1^{-7}$ 1 1\％．＂．Shps wt．， 8 oz.

| Stach Mo． | Catalog Me． | Lesistance （ m hims．） | Muminal Power | Contacts | Wet |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 ¢ 20302 | PSJ－1C－2500 | 2．5K | ． 1 W | SPOT | 4.13 |
| 30 R 20310 | PSJ－2C－2500 | 2．5K | ． 2 W | DPOT | 4.69 |

## HART－ADVANCE RELAYS

 General Purpose Relays

Types GHUB－GHUM Ava lable as an ooen relay（CMUB）or with a dustite plastic enclosere（ CHUM ）．Enclosed types with SPDT and OPOT contacts have din octa！plug－in bases while the 3POT types use 11 pin pluy－in bases．Open relays sapplied with axial type solder lugs sire：GHUB＝

 Volts and $A C$ or DC．X．e． $22 \mathrm{VA}=24$ ghus volts AC．UL Recognized．Wi．， 5 or．



## TYPE 12

Muitiple contacts．Used widely in industrial con－ trols communications equipment，aed automatic vending machines．Coil dissipation， 3 watts maxi－ mum．Size： 1 少，w $x$＂ 1 ＂
Mownting $46-32$ tapped holes on $3 / 4^{-x} \times 7 / 8^{* \prime}$ centers Standard Centacts： $3 / 16^{\circ}$ silver，Rated 10 amperes resistive at 115 VAC．Shpg．Wt．， 8 or．
Cort Cais Contacts

| 30 a 20104．12DC－12－2C－10 | 12voc | DPOT | 10 | 1\％． | 3.35 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 R 20112 12MC－12－2C－10 | 12VAC | DPPT | 10 | 1\％＂ | 3.95 |
| 30 R $2812012 \mathrm{CC}-24-2 C-10$ | 24VAC． | DPDI | 10 | 1\％ | 3.5 |
| 30 Q 20138 12AC－115－2C－10 | 115VAC | PPDI | 10 | 1\％＂ | 2.58 |
| 30 ¢ 20146 12AC－115－3C－10 | 115VAC | 3PDT | 10 | 1\％ | 4.90 |
| TYPE MK |  |  |  |  |  |
| Type WK 0f relays require kess th |  |  |  |  |  |
| inch mounting space．Beryllium copper ar |  |  |  |  |  |
| ture hinges assure stable performan：e under |  |  |  |  |  |
|  |  |  |  |  |  |
| plied wit single 2.56 NC－2 machine screw． |  |  |  |  |  |
|  |  |  |  |  |  |
| Last part of type no－V | 3s．ie． | /Gvivis |  |  |  | Last part of tppe no－volts．ie．．．／GVN＝6 Voits DC．


| Steek Mo． | Trpe | CoillOhng | Contacts |  | Not |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Ferm | Ames |  |
| 30 R 20153 | ／1C／6VD | 50 | SPDT | 1 | 5.85 |
| 30 L 7 7 181 | ／1C／12V0 | 200 | SpOr | 1 | 5.55 |
| 30 ค 017 | ／2C／12VD | 120 | DPDT | 1 | 7.50 |

## POWER RELAYS

Type 芦 Compact and positive acting relays for either AC or DC．Contacts rated at 15 Amps resistive， 5 Amps inductive at 115 VAC or 26.5 VDC．Size：

last part of type no $=$ volts and MC or DC，ie．, $24 \mathrm{VA}=24$ VOH AC；$/ 6 \mathrm{VO}=$ 6 Volts DC．Shpg．wt．， 8 oz


|  | $\begin{aligned} & \text { Coil } \\ & \text { Obms } \end{aligned}$ | Contacts |  | Wet |
| :---: | :---: | :---: | :---: | :---: |
| Stoek Ma．Tye |  | Fovim | tamps |  |
| $30 \mathrm{R} 20107 \mathrm{PC} / 1 \mathrm{C} / 24 \mathrm{VA}$ | 16 | SPPT | 15 | 3.50 |
| $30 \mathrm{R} 20153 \mathrm{PC} / 1 \mathrm{C} / 115 \mathrm{VA}$ | 450 | SPDT | 15 | 3.60 |
| $30 \mathrm{Q} 20203 \mathrm{FC/1C/6VD}$ | 15 | SPOT | 15 | 5.60 |
| 30 日 70211 PC／IC／12YD | 63 | SpPr | 15 | 5.50 |
| 30 W 20223 PC／2C／115VA | 450 | OPOI | 15 | 1.23 |
| $30 \mathrm{R} 29237 \mathrm{PC} / 2 \mathrm{C} / 6 \mathrm{VO}$ | 16 | DPOT | 15 | 0.23 |
| 30 R 2024E PC／2C／12VD | 63 | DPDT | 15 | 8.25 |
| 30 R $20252 \mathrm{PC} / 3 \mathrm{C} / 12 \mathrm{VO}$ | 63 | $3 P 07$ | 15 | 12.20 |

## TME DEVIN

TYPE DI Used with relays for time delay of 5 to 60 seconds．Adjustable with a range of 8 to 20 cyeles per minute．
Mounting Data： 2 noles .154 dia．for 6－32 NC． 2 screws；17\％centers．Size： $1 \%_{7} \times 1 \mathrm{H}_{92} \mathrm{~W}$ 玉 $13 / 16^{\circ} \mathrm{H}$ Shpt．Wt．， 202.
Steck
Typo
Coil Volt
Contacts

30 R 2026 DT／1M115VA 115 VAC SPST－NO 23.60 30 R $20278 \mathrm{OV} / 18 \mathrm{~V} / 115 \mathrm{VA}$ I15VAC SFST－NC 23.60

# Pilot Light Assemblies 

| ONE-INCH |  |  |  |
| :---: | :---: | :---: | :---: |
| Attractive, enclosed, candelabra |  |  |  |
| Chrome |  |  |  |
|  |  |  |  |
| panel. Mounts in $1^{\text {m/ }}$ hole; may be used on panels up to $\frac{7 / h^{\prime \prime}}{}$ thick. Bind- |  |  |  |
|  |  |  |  |
| ing screw terminals. UL listed. Series147.1209 have faceted jewel; $234 \%$ |  |  |  |
|  |  |  |  |
| behind panet. Series $147-1600$ havecome for wide angle visibility: 2 L |  |  |  |
|  |  |  |  |
| dome for wide angle behind panel. With mounting nut and washer, less lamp. Shpg. wi., 401. |  |  |  |
|  | Mft. |  |  |
| Stock No. |  | Fig. Jewel |  |
| 33 ह 32467 | 1209-2 | A Red |  |
| 33 R 32475 | 1209-3 | A Green |  |
| 33 R 32483 | $1209-4$ | A Amber | 2.40 |
| 33 R 32491 | 1600-2 | 日 Red | 2.45 |
| 33 R 32509 |  | 8 Green |  |
| 33 R 32517 | $1600-4$ | B Amber |  |

## LINE-O.LITE PILOT LIGHTS

Rectangular pilot light, lamp is high intensity neon, and unit has in. ternal resistor. White nylon housing. chrome plated berel. Plastic lens size $1 / 4 \times 1 K_{2}{ }^{\prime \prime}$.
Mounts in hole $1 \%_{32} x^{2} \%_{2}^{\prime \prime}$, with speed nut supplied. Operates on 95.125 VAC. Shpg. wt., 202.

34 R 52190 Red Lens 34 R 52208 Amber Lens 34 R 52455 White Lens



## $1 / 2$ INCH HORIZONTAL OPEN ASSEMBLIES

(C) for tow voltage miniature bayonet (Serles 147 403) and screw base (Series $147-400$ ) lamps. 1/2" faceted lens, Easy lamp replacement. "Xo" mounting hole. Solder terminals. Less lamp. Shpg. Wt., $2 \mathbf{0 z}$. Stock Na. Mig. No. Socket Color Hel ea. $\begin{array}{lll}33 \text { R } 32525 & 147-403-2 & \text { bayonet Red }\end{array}$ .80 33 R 32533 147-403-3 bayonet Green 33 R 32541 147-403-4 bayonet Amber 33R32558 147-400-2 Screw Red 33 R $32566 \quad 147.400-3 \quad$ screw Green 33 R 32574 147-400-4 screw Amber

## $1 / 2$ INCH VERTICAL OPEN ASSEMBLIES

Space saving inexpensive pilot light for low, volt age incandescent bulbs with miniature screw or miniature bayonet bases. faceted colored jewels Solder terminals; T//0" mounting hole, Less lamp. Shpg. wt., 3 oz.

| Stock ${ }^{\text {fo }}$ \% | Sacket |  | Color | Net ea |
| :---: | :---: | :---: | :---: | :---: |
| 34 R 70069 | min. | screw | Red | 40 |
| 34.70077 | min. | screw | Green | 40 |
| 34 R 70085 | min. | screw | Yellow | 40 |
| 34 R 70093 | min. | bayone |  | 47 |
| 34 R 70101 | min. | bayon | Green | 47 |
| 34 R 70119 |  | bayo | rellow |  |

## LaFAYETTE PILOT LIGHTS



LAFAYETTE SPECIAL NEON ASSEMBLY
For operation on 110 volts AC. Requires 100k resistor in series. When used with 200 v . use 250 k resistor in series. AC starting voltage 60 v . Servicing life, 5000 to 10,000 operating hours. Chrome finish Imported. Shpg. wt., $2 \mathbf{0 z}$.

| Stock Ne. | P-10] | Lots of 10 |  |
| :---: | :---: | :---: | :---: |
|  |  | Net ea. |  |
| $\begin{aligned} & 99 \text { R } 62242 \\ & 99 \text { R } 62259 \\ & \text { 99 R } 62267 \end{aligned}$ | Yellow <br> Amber Red | . 45 | . 35 |
|  |  | . 45 | . 35 |
|  |  | .45 | . 35 |
| AfAY | $E 10$ | 1-1 |  |

- Ideal for the Builder and Experimenter
For both miniature screw and minlature bayonet lamps. Bulb replaceable from front of panel. Transparent plastic dome for $180^{\circ}$ visibility except $=$ opaque. Front mounting with nickel finish nut and lock. washer. Solder terminals. Sh" mounting hole. Less lamp. 1 m ported. Shpg. Wt., 202.

| Screw Stoch Nu. | Calor | Bayonet Stock No. | $\begin{aligned} & \text { Net } \\ & \text { En } \end{aligned}$ | $\begin{aligned} & \text { ts of } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 99 R 63323 | Red | 998 63398 | . 45 | 39 |
| 99 R $63331^{\text {c }}$ | Ciear | $99 \% 63406$ | . 45 | 19 |
| 99 R 63349 | Amber | 99 R 63414 | . 45 | 3 |
| 99 R 63356* | Green | 99 R 63422* | . 45 | 19 |

## INDUSTRIAL DEVICES PILOT LIGHTS

FHLOT LIGHT ASSEMBLIES WITH SLIDE BASE LAMPS

## OMNI-GLOW NEON PILOT LIGHTS


K. Deme Lens

L. Square Lens

As
Low As


Bright, highly visible pllot lights utilizing long-lived miniature slide base incandescent lamps rated 5,000 hours. Easy front panel lamp replacement. Dome screw-In lens has staintess steet bezel, nylon non-strip selflocking fastening nut and mounts in "1/ks" hole. Square lens has snap on lens, spring steel mounting speednut and mounts in $4 / \mathbf{z}^{\prime \prime}$ hole. UL listed. Available complete with lamps, in voltages and color lenses shown. Shpg. wt., 202.
K. Dome Lens

| Volts | Red Lens | Amber Lens | Green Lens |
| :---: | :---: | :---: | :---: |
| 6 | 34 R 52240 | 34 R 52257 | 34 R 52265 |
| 12 | 34 R 52273 | 34 R 52281 | 34 R 52299 |
| 24 | 34 R 52307 | 34 R 52315 | 34 R 52323 |
| 120 | 34 R 52216 | 34 R 52224 | 34 R 52232 |
| Any of the above ................................................ Net ea, 1.49 |  |  |  |


| Yolts | Red Lens | Amber Lens | Green Lens |
| :---: | :---: | :---: | :---: |
| 6 | 34R52489 | 34 R 52497 | 34 R 52505 |
| 12 | 34 R 52513 | 34 R 52521 | 34 R 52539 |
| 120 | 34 R 52547 | 34 R 52554 | 34 R 52562 |
| Any of the above ..................................... |  |  | Net ea. 1.19 |


| Stock No. | Lamp No. | Volts | Watts | End Foot Candies |  | $\begin{aligned} & \text { Each } \\ & 10-99 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 51085 | 6 PSB | 6 | . 8 | 800 | . 62 | . 53 |
| 34 R 51093 | 12 PSB | 12 | 2.0 | 2400 | . 62 | . 53 |
| 34 R 51101 | 24 PSB | 24 | 1.7 | 2200 | . 62 | . 53 |
| 34 R 51143 | 120 PSB | 120 | 3.0 | 1600 | .62 | . 53 |

(A)

(B)

(c) 17
(D)


For use on instrument panels, etc. Will last in excess of $10.25,000$ hours. Built in NE-2H neon glow lamp and current limiting resistor Mounts in $1 / 2^{\prime \prime}$ hole with speed nut (supplied), Complete with $41 / 2^{\circ}$ leads. Operates on 95.125 VAC. Available with rounded, cylindrical or square lens, with chrome bezel. Shpg. wt., 2 oz .
(A) ROUNDED LENS

34 R 52083 Red lens 34 R 52018 Clear lens (B) CVLINDRICAL LENS

34 R 52109 Red lens
34 R 52117 Amber lens
34 R 52091 Amber lens
34 R 52026 White lens Net ea. . 69 (C) SQUARE LENS

34 R 52133 Red lens
34 R 52141 Amber lens 34 R 52158 White lens Net ea. . 69 (D) BUTTON TYPE LENS (Mounts in $7 / \mathbf{c}^{\prime \prime}$ hole) 34 R 52422 Red lens
34 R 52430 Amber lens
34 R 52448 White lens Net ea. . 69

## GLO-DOT NEON PILOT LIGHTS <br> $\operatorname{cow}_{\text {As }}^{\text {As }} 67 c$

Especlally made for tight spots. Mounts in Kol $^{\prime \prime}$ hole with speed nut supplied. High brilliance NE-2H lamp with built-in resistor assures long life. UL and CSA Ifsted. Complete with two $41 / 2^{\prime \prime}$ leads. Operates on 95-125VAC. Shpg, wt., 2 oz.
(A) MEDIUM LENS

34 R 52034 Red lens
34 R 52042 Clear lens
34 R 52059 Amber lens 34 R 52067 White lens Net eaw. 67
(B) HIGH HAT LENS

34 R 52166 Red lens
34 R 52174 Amber lens 34 R 52182 White lens Net ea. 69

## Miniature Pilot Lamps and Sockets

## AC－DC PILOT LAMPS

hated at $115-125 \mathrm{~V}$ ． 1500 hours average use． All are Candelabra Screw base except＊are oowole Contact Bayonet Candelasra and $\ddagger$ is miniature bayonet．All clear encept＊is white，Average shpg．wi， 202. exch．

| Stect Ne． | Top | Pit． | Watts | Et | 10 88. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 月 6084 | 356 | 1 | 3 | ． 59 | ． 45 |
| 32 R ¢＊55］ | 656 | 1 | 6 | ． 24 | ． 20 |
| 32 R 96tes | $6560 C+$ | A | 6 | .40 | ． 33 |
| 32 R esty | 7c7／c | N | 7 | ． 21 | ． 17 |
| 32 哏 6851 | 7C7／W＊ | N | 7 | ． 34 | .31 |
| 32 ค 66695 | 10c7DE | 0 | 10 | ． 40 | ． 33 |
| 32 R 65767 | T＋4\％ | 0 | 4 | .73 | .67 |
| 34851077 | 120M8\＄ | K | 3 | ． 2 | 53 |

## PILOT LIGHT SOCKETS <br> 

Cadmium plated brachets with tiamed brass lugs．Bayonet type with coil epring con－ struction for positive contact．Fo miniature screw，bayonel，and candelabra base．Ave． shpe Wl． 202.

Momolutie stmem Trre

| Steck Mo． | Fie． | Ft． | 10 For |
| :---: | :---: | :---: | :---: |
|  | 1 2 3 | ． 35 | 2.60 |
| MUNIATUTHE EAWMES TrME |  |  |  |
| $32 \ln 1045$ <br> 32 <br> 32 <br> 32 <br> 32 | 1 2 3 | 30 | 2.68 |
| Cambelusha Trpe， 175 voly |  |  |  |
| 32820007 <br> 38 <br> 32 <br> 3200103 <br> 32 <br> 20111 | 1 2 4 4 | － | 2.60 |

SOCKETS FOR NEON， ARGON AND PILOT LAMPS

（5）Cleat Receptacle with Edison Socket．
15 m 0127 shpg ．wt．， 4 oz ．Net． 2 t （5）Receptacle with miniature screw sochet． 13 買 81284 Shpe wi， 3 oz Net 22 （5）Receptacle with candelabra socket．
13 ： 01232 Shpe．wt．， 3 or．Net． 22
（6）Recessed receplacie with double conlact bayonet socket．Top mounting．
13 Q 34010 Shpg．wt．， 3 or．Net． 62
（7）Double comact bayonet candelabra socket 13 W 34020 Shpg．wh．， $3 \mathbf{0 z}$ ．Net 1.62 （7）Single comact boyonet candelabra socket 13 R 34036 Shps．wt．， 3 oz.

## PILOT LAMPS－FLASHLIGHT BULBS



6

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For radio and T．V．pilot lights，panels，flashights，tows，appliances，coin machines，autos，etc Base code：1－single contact flanged，2－mintature screw，3．doubt contact index．5．single contact mideret， 6 －single contact bayonet． 7 －double contact bayenet． 8 －midget screw， 9. miniature bayonet，10－two pin．Under AMPS，CP means zandlepover．I－ 25,000 hour sub－ miniafure lamp．Shpg．wt．，box 10 is 4 oz． 1 lamp， 2 oz．

| Steck Ne． | Type Na． | Volt | Amp．Fis |  | Base | Me？ Es． | $\begin{aligned} & 10 \\ & \text { For } \end{aligned}$ | Stecki Mo． | Type Na． | Volt | Amp．Fis |  | Base | $\begin{aligned} & \text { Net } \\ & \text { Ed. } \end{aligned}$ | $10$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 R 66012 | PR－2 | 2.4 | 0.50 | A | 1 | ． 24 | 1.46 | 32 R 69156 | 257 | 14 | 0.27 | 6 | 9 | .42 | 2.52 |
| 32 R 65020 | PR 3 | 3.6 | 0.50 | A | 1 | 24 | 1.46 | 32 同 66384 | 313 | 28 | 0.17 | C | 9 | ． 42 | 2.53 |
| 32 R 65030 | PR－4 | 2.3 | 0.27 | A | 1 | 25 | 1.47 | 32 崖 68392 | 327 | 28 | 0.04 | P | 5 | ． 3 | 4.99 |
| 32 R 66046 | PR． 6 | 2.5 | 0.30 | A | 1 | 24 | 1.46 | 32 P 66400 | 328 | 6 | 0.20 | P | 5 | ． 65 | 3.54 |
| 32 虫 66053 | PR－12 | 5.95 | 0.50 | A | 1 | 23 | 1.47 | 32 ก1 6917 | 330 | 14 | 0.08 | P | 5 | 1.11 | 6.68 |
| 32 R 66061 | PR－13 | 4.75 | 0.50 | A | 1 | 24 | 1.46 | 32 ® 66954 | 3874 | 28 | 0.04 | P | 5 | 94 | 5.62 |
| 32 買65079 | 12 | 6.3 | 0.15 | 0 | 10 | ． 33 | 1.96 | 32 R66863 | 407 | 4.9 | 0.30 | N | ， | ． 28 | 1.66 |
| 32 ccoil | 13 | 3.7 | 0.30 | H | 2 | 11 | 1.23 | 32 R $6647 \%$ | 425 | 5 | 0.50 | H | 2 | ． 27 | 1.60 |
| 32 置 66095 | 14 | 2.5 | 0.30 | H | 2 | 21 | 1.23 | 32 R 6.425 | 428 | 12.5 | 0.25 | H | 2 | ． 32 | 1.91 |
| 32 R 66103 | 27 | 4.9 | 0.30 | H | 2 | 23 | 1.49 | 32 同 6.6434 | 432 | 18 | 0.25 | H | 2 | .37 | 2.13 |
| 32 R 66111 | 31 | 6.2 | 0.30 | H | 2 | 31 | 1.47 | 32 R 66442 | 433 | 18 | 0.25 | 6 | 9 | ． 39 | 2.31 |
| 32688129 | 40 | 6.8 | 0.15 | B | 2 | ． 17 | 1.81 | 32 㐌 66459 | 502 | 5.1 | 0.15 | H | 2 | .22 | 1.31 |
| 32 2 65137 | 41 | 2.5 | 0.50 | B | 2 | 33 | 1.97 | 32 号 66467 | 605 | 6.1 | 0.50 | H | 2 | 31 | 1.81 |
| 32 R 65145 | 42 | 3.2 | 0.35 | B | 2 | 43 | 2.57 | 32 R 55032 | 755 | 6.3 | 0.15 | C | 9 | .41 | 2，46 |
| 32 － 66152 | 43 | 2.5 | 0.50 | C | 9 | 13 | 1.97 | 32 月 65040 | 756 | 14 | 0.08 | C | 9 | ． 55 | 3.27 |
| 32 P 66160 | 44 | 6.8 | 0.25 | C | 9 | ． 17 | 1.03 | 32 п 69057 | 757 | 28 | 0.08 | C | 9 | ． 60 | 3.60 |
| 32 R 66178 | 45 | 3.2 | 0.35 | C | 9 | 21 | 1.67 | 32 異 5317 | 1034 | 12.8 | 1.8 | F | 3 | ． 54 | 3.25 |
| 32 R 56186 | 46 | 6.8 | 0.25 | 8 | 2 | .17 | 1.00 | 32 － 66473 | 1129 | 6－8 | 21c．P | F | 6 | ． 40 | 2.41 |
| 32， 56194. | 47 | 68 | 0.15 | C | 9 | ． 17 | 1.03 | 32 － 65483 | 1133 | 6 －8 | 32 C | ） | 6 | 70 | 4.19 |
| 32 R 65202 | 48 | 2.0 | 0.06 | 8 | 2 | ． 33 | 1.97 | 32 R 66715 | 1156 | 12 | 32C．P． | 1 | 6 | ． 57 | 3.40 |
| 32.56210 | 49 | 2.0 | 0.06 | C | 9 | ． 28 | 1.66 | 32 1199180 | 1157 | 12.8 | 2.1 | $F$ | 3 | ． 54 | 3.25 |
| 32 覔 56228 | 50 | 6.8 | 1c．P． | H | 2 | 20 | 1.20 | 32 R 66491 | 1446 | 12 | 0.20 | H | 2 | －38 | 2.30 |
| 32 日 66236 | 51 | 6－8 | 1C．P． | 6 | 9 | ． 10 | 1.06 | 32 ค 66509 | 1447 | 18 | 0.15 | H | 2 | ． 26 | \＄．57 |
| 32 R 66244 | 53 | 14.4 | 0.12 | 6 | 9 | 20 | 1.18 | 32 Q 58517 | 1449 | 14 | 0.20 | H | 2 | ． 21 | 1.27 |
| 32 ค 6575 | 55 | 6.8 | 2C．P． | 6 | 9 | 20 | 1.19 | 32 近 5533 | 1477 | 24 | 0.17 | B | 2 | ． 84 | 5.06 |
| 32 R 56269 | 57 | 12.16 | 2C．P． | 6 | 9 | 20 | 1.21 | 32 国6554t | 148？ | 12－16 | 0.20 | B | 2 | .33 | 1.97 |
| 32 R 66277 | 63 | 6.8 | 3C．P． | G | 6 | ． 29 | 1.50 | 32 厚6655 | 1488 | 14 | 0.15 | C | 9 | ． 35 | 2.11 |
| 32 R 69164 | 67 | 13.5 | 0.59 | 6 | 6 | ． 26 | 1.56 | 31 ค 66556 | 1490 | 3.2 | 0.16 | C | 9 | 27 | 1.63 |
| 32 只 66285 | 81 | 6－8 | 6C．P． | 6 | 6 | ． 30 | 1.71 | 32 㫛 665.74 | 1493 | 6.5 | 2.75 | 5 | 7 | 1.59 | 9.56 |
| 32.66293 | 82 | 6－8 | 6C．P． | 6 | 7 | ． 30 | 1.73 | 37 R 65889 | 1700 | 6 | 5.5 | $j$ | 6 | 1.43 | 8.57 |
| 32968845 | 93 | 12 | 15C．P． | F | 6 | ． 40 | 2.37 |  | 1768 | 6 | 0.20 | B | 8 | 1.18 | 7.07 |
| 32956301 | 112 | 1.2 | 0.22 | 0 | 2 | 21 | 1.23 | 32 ค 65590 | 1815 | 12－16 | 0.20 | C | 9 | ． 30 | 1.79 |
| 31 R 66319 | 123 | 1.25 | 0.30 | H | 2 | ． 22 | 1.31 | 32 － $56 \pm 55$ | 1813 | 28 | 0.04 | C | 9 | .43 | 2.59 |
| 32 ¢ 66.327 | 136 | 1.3 | 0.60 | H | 2 | ． 29 | 1.71 | $32 \mathrm{R} 6.660{ }^{\text {3 }}$ | 182） | 28 | 0.10 | C | 9 | .48 | 2.87 |
| 32 R 86335 | 222 | 2.2 | 0.25 | D | 2 | 21 | 1.23 | 32 R 69065 | 1823 | 37.5 | 0.05 | C | 9 | ． 87 | 5.24 |
| 32 R 6634 2 | 223 | 2.2 | 0.25 | － | 2 | .33 | 2.09 | 32 ח 65618 | 1823 | 28 | 0.07 | $c$ | 9 | .46 | 2.74 |
| 32 R 56350 | 224 | 2.15 | 0.22 | E | 4 | ． 23 | 1.70 | 32 R 65624 | 1843 | 6.3 | 0.15 | c | 9 | 23 | 1.40 |
| 32 R 6536 B | 233 | 2.2 | 0.27 | H | 2 | ． 30 | 1.80 | 32 1 55632 | 189 | 12 | 0.24 | C | 9 | － 21 | 1.25 |
| 32 R 69107 | 239 | 6.3 | 0.36 | C | 9 | ． 39 | 2.31 | 32 R 69099 | 1893 | 14 | 0.33 | C | 9 | ． 24 | 1.43 |
| 32 R 6637 | 248 | 2.5 | 0.80 | H | 2 | 44 | 2.62 | 32 （69198 | 1855 | 14 | 0.27 | 6 | 9 | 2 | 1.71 |

## METER ILLUMINATING PILOT LAMP

For IIvmilantine Meters Intersally Used in Lafayette＂S＂and Modulation panel meters．Operates on 6 volts $A C$ or DC．Can operate on 12 volts with 2 lamps in series． Shpg．wi． 2 ou．
so texa

Channel Selector Dial Indicator Lamp． Used in Lalayette Citirens Band and communications equipment．Operates on 6 volts $A C$ or OC．Can operate on 12 volts with series voltage dropping resistor．imported shps．wt．， 2 Oz． 99 2 63612

## NEON GLOW LAMPS

For $105-125$ VAC operation．Screw types have resistor in base for $105-125 \forall$ oftiers require external resistor．AC siapling voltaze shown：DC starting voltage $40 \%$ higher．Shpe wt．， 2 or．

| Stact Ms． | Type |  | Watts | Start volt | Sase Type | ［act | $\begin{gathered} 10.0 p \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32：E5731 | A9A | NE－2E | 1／10 | 65 | Wive Term | 20 | 1.15 |
| 32.85830 | C2A | NE－2，NE－2M | 1／4 | 98 | Wire Term | 20 | 1.19 |
| 32．${ }^{\text {¢ }}$－ 795 | B7A | ME－45 | 1／4 | 65 | Cand．Screw | 1.53 | 9.17 |
| 32 Cl －3929 | 89a | NE 48 | $1 / 4$ | 65 | D．C．Bay． | 1.23 | 7.47 |
|  | 814 | NE－51 | 1／25 | 65 | S．C．Bay．Min | ． 44 | 2.65 |
| $324{ }^{1 / 8}$ | 82A | NE－51M | 1／4 | 95 | S．C．Bay．Min | 44 | 2.65 |
| 32 x | 5AC | NE 68 | － | 60 | Wire Term． | ． 0 | 3.50 |
| 32 A －8897 | 5AH | NE－3 | － | 60 | Wire Term． | 43 | 2.55 |

# General Electric and RCA Picture Tubes 

ONE－YEAR GUARANTEE
Tubes falling in normal use within 1 year will be replaced．You pay only transportation．Black \＆white tubes are made of entirely new materials except the glass which may be re－used after test inspection and refurbishing to meet new glass standards．Color tubes may con－ tain used materials which，prior to re－use have been carefully in－ spected and tested．

YOUR OLD TUBE IS WORTH MONEY
If you return your old pieture tube（lud）when you purchase a new one，we will credit you for its value as shown in the column headed ＂Duad Value．＂Duds must be brought or shlpped prepaid to us and must be intact，under vacuum and without scratches．Do not bring in tubes for which no value is shown．

AVERAGE SHIPPING WEIGHTS FOR PICTURE TUBES
Tube Prefix Shpg Wt Tube Prefix Shpg Wt Tube Prefix Shpg Wt

| 8 | 5 lbs. | 13 | 8 lbs. | 20 | 20 lbs. |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 9 | 5 lbs. | 14 | 9 lbs. | 21 | 30 lbs. |
| 10 | 7 lbs. | 16 | 11 lbs. | 23 | 40 lbs. |
| 12 | 8 lbs. | 17 | 13 lbs. | 24 | 42 lbs. |
|  |  | 19 | 15 lbs. | 27 | 45 lbs. |

The prefix of the picture tube is determined by the first two digits in the Type No．

NOTE：WE WILL FILL YOUR ORDER WITH EITHER A G．E OR AN RCA TUBE DEPENDING UPON STOCK AVAILABILITY．

| STOCR No．T | TUBE TYPE | NET EA． | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ | Stack Ho． | Tube Type | Net Each | $\begin{aligned} & \text { Dud } \\ & \text { value } \end{aligned}$ | Stock No． | Tube Type | $\begin{aligned} & \text { Not } \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & \text { Dud } \\ & \text { Value } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 a 80055WX | 80P4 | 32.65 |  | 36 R 82192WX | 17EMP4 | 38.00 | － | 36 ค $82234 W \mathrm{X}$ | 21FMP4 | 38.60 |  |
| 36 R 80063 Wx | $8 \mathrm{8XP4}$ | 36.90 |  | 36 R 82325WX | $17 \mathrm{EWP4}$ | 38.00 | 二 | 36 R 81566WX | 21 FVP4 | 44.05 |  |
| 36 R 80071WX | 8YP4 | 48.75 | 1.00 | 36 R 80477wx | 17HP4C | 23.35 | － | 36 ค $81962 W x$ | 21 GBP 4 | 46.65 | 1.75 |
| 36 R 82374WX | 9AEP4 | 24.15 |  | 36 R 80485 WX | 17LP4B | 24.15 | － | 36 R B0899WX | 21WP48 | 29.55 | 1.75 |
| 36 R 82382 Wx | 9AGP4 | 27.75 | 1.75 | 36 R 80493 WX | 170 P4B | 24.15 |  | 36 R 82556WX | $21 \times P 48$ | 29.95 |  |
| 36 R 40174 Wx | 9VP4 | 28.10 | 1.75 | 36 R 82648WX | 18 VAUP4 | 39.05 |  | 36 ¢ 80915 WX | 21 YP48 | 24.50 |  |
| 36 R $81640 W X$ | 9WP4 | 26.95 |  | 36 R 80519WX | 19ABP4 4 | 37.30 | 4.00 | 36 ค 80923WX | 212 PAC | 24.50 |  |
| 36 R $82283 W \mathrm{X}$ | 10ARP4 | 25.35 | 1.75 | 36 \＆80527WX | 19AFP4 | 39.50 | 4.00 | 36 ค 82663WX | $22 \mathrm{VABP4}$ | 46.85 |  |
| 36 R 82390WX | 10aTP4 | 28.40 |  | 36 R 80543 WX | 19AJP4 | 34.30 | 4.00 | 36 ค B0949WX | 23AHP4／ASP4 | 41.70 | 6.50 |
| 36 R 82606WX | 10AVP4 | 26.95 | － | 36 R 8056日WX | 19AVP4 | 34.30 | 4.00 | 36 A 81574WX | 23ARP4 | 45.65 | 4.00 |
| 36 R $81665 W X$ | 116P4 | 29.30 |  | 36 R 80576WX | 19AYP4 | 14.30 | 4.00 | 36 ค 81582WX | $23 \mathrm{BGP4}$ | 46.25 | 6.50 |
| 36 R 82291wx | $11 \mathrm{HP4}$ | 29.30 | － | 36 R 80584 WX | 1980P4 | 34.30 | 4.00 | 36 R 80972 Wx | 238JP4 | 41.70 | 6.50 |
| 36 R $81673 W \mathrm{X}$ | 11 UP4 | 21.30 |  | 36 R 81509 WX | 19CHP4 | 34.30 | 4.00 | 36 R 80998WX | 238KP4 | 46.15 | 6.50 |
| 36 R 81681wX | 128EP4 | 25.95 |  | 36 R B1517wx | $19 \mathrm{CMP4}$ | 34.30 | 4.75 | 36 R 81020 Wx | 2380P4 | 46.25 | 6.50 |
| 36 R 82408WX | 128GP4 | 25.95 |  | 36 ¢ 81780 WX | 19CVP4 | 39.60 | 4.00 | 36 R B1038WX | 23BTP4 | 39.15 | 6.50 |
| 36 R 82135WX | 128 KP 4 | 25.60 |  | 36 R 81525WX | $19 \mathrm{CXP4}$ | 34.30 | 4.00 | 36 R 81053WX | 23 CP 4 A | 46.25 | 6.50 |
| 36 R 81442 WX | 12BNP4A | 23.35 |  | 36 R 82473WX | 19C7P4 | 38.30 | 4.00 | 36 R $81590 W X$ | 23CGP4 | 41.30 | 6.75 |
| 36 R 81699 WX | 1282P4 | 26.50 |  | 38 \＆ 82481 WX | 190AP4 | 38.30 | 4.00 | 36 R 81061wx | 23CaP4 | 41.70 | 6.75 |
| 36 R 81624WX | 12 CDP 4 | 26.50 |  | 36 R 81798 WX | 1908P4 | 39.50 | 4.00 | 36 R 81079 Wx | 23DAP4 | 48.55 | 6.75 |
| 36 R 81707WX | 12CNP4 | 28.40 |  | 36 R 81806WX | $190 \mathrm{KP4}$ | 38.30 | 4.00 | 36 A 81087 WX | $23 \mathrm{DBP4}$ | 45.65 | 4.00 |
| 36 R 82143 WX | 12CWP4 | 26.50 |  | 36 R 40059WX | 190QP4 | 36.65 | 1.00 | 36 R $81095 W X$ | 230 KP 4 | 44.95 | 4.00 |
| 36 R 82317WX | $12 \mathrm{DFP4}$ | 32.15 | $\square$ | 36 R 81541WX | 190RP4 | 36.65 | 1.00 | 36 R 8256aw | 230LP4 | 44.95 | 4.00 |
| 36 R 82416WX | 12DGP4 | 22.40 |  | 36 月 81558WX | 190SP4 | 36.65 | 1.00 | 36 \＆ 81970 WX | 230NP4 | 46.65 | 6.50 |
| 36 R 82424 WX | 120 SP4 $^{\text {d }}$ | 28.40 |  | 36 R 81350 WX | 19DUP4 | 36.65 | 1.00 | 36 R 82572W ${ }^{\text {\％}}$ | 230SP4 | 51.60 | 4.00 |
| 36 R 26514 WX | 12VAGP4 | 30.00 |  | 36 ค 81368 WX | $190 \mathrm{VP4}$ | 38.50 | 4.00 | 36 R 82259WX | 230WP4 | 51.60 | 4.00 |
| 36 R 81715 WX | $13 \mathrm{AP4}$ | 31.95 |  | 36 R 81384WX | 19ECP4 | 38.30 | 4.00 | 36 R 81152 WX | 23EP4 | 46.25 | 6.75 |
| 36 R 82622WX | 15 VACPA | 34.05 |  | 36 品 81822 WK | 19EGP4 | 37.95 | 1.00 | 36 R 81988WX | 23ECP4 | 46.65 | 6.50 |
| 36 R 80212WX | 16ATP4 | 29.00 |  | 36 ¢ $82200 W X$ | $19 \mathrm{EKP4}$ | 38.10 | 4.00 | 36 R 81996WX | 23EDP4 | 45.65 | 6.50 |
| 36 R 82150wx | 16AUP4 | 32.70 |  | 36 R 81871WX | 19GAP4 | 37.95 | 1.00 | 36 R 40216WX | $23 E K P 4$ | 46.30 | 4.00 |
| 36 R 82440w ${ }^{\text {a }}$ | 16AYP4 | 32.70 |  | 36 R $82333 W \mathrm{X}$ | 19GEP4A | 34.30 | － | 36 ค 40083 WX | 23 ENP4 | 46.30 | 4.00 |
| 36 R $81723 W X$ | 168CP4 | 37.50 |  | 36 R 82515 WX | 19GJP4 | 38.30 | 4.00 | 36 R $81608 W \mathrm{X}$ | 23EQP4 | 41.50 |  |
| 36 R 81475 WX | 168GP4 | 31.90 |  | 36 ค 82523WX | $19 \mathrm{VAHP4}$ | 39.25 |  | 36 R 81616 WX | 23ETP4 | 49.15 | 6.75 |
| 36 R 82168WX | 168UP4 | 22.60 | $\cdots$ | 36 R 82531WX | 19VAJP4 | 39.25 | － | 36 年 82267 WX | $23 E Y P 4$ | 48.80 | 4.00 |
| 36 R 81731 Wx | $168 \times P 4$ | 35.40 | $\cdots$ | 36 R 82341w ${ }^{\text {c }}$ | 20AMP4 | 39.95 | － | 36 R 82580WX | 23E2P4 | 43.80 |  |
| 36 R 82457wx | 16CHP4A | 31.95 | － | 36 R 82549WX | 20RP4 | 36.40 | － | 36 R 81178 WX | 23FP4A | 61.70 | 6.50 |
| 36 R 81749WX | 16CMP4A | 36.05 | $\cdots$ | 36 ค 82218 WX | 20SP4 | 37.10 |  | 36 R 8202日WX | 23FNP4 | 41.70 | 4.00 |
| 36 R 81632WX | 16COP4 | 29.30 | － | $36 \mathrm{R} \mathrm{82226WX}$ | 20194 | 38.30 | － | 36 F 82036WX | 23FRP4 | 50.40 | 6.50 |
| 36 R 82176WX | 16CWP4 | 30.60 | － | 36 R 82655WX | 20VACP4 | 45.40 |  | 36 A 82044WX | 23FSP4 | 50.40 | 6.50 |
| 36 R 81764WX | 16RP4B | 20.70 | － | 36 ค 81897WX | 21AMP4B | 25.10 | － | 36 ¢ 82598 WX | 23GWP4 | 48.15 | 6.50 |
| 36 R 81712WX | 16 TP4 | 28.25 | $\cdots$ | 36 R 80717WX | 21AUP4C | 26.35 |  | 36 R 40224WX | 23HFP4 | 49.15 | 6.50 |
| 36 R 80295WX | 178P4D | 22.55 | － | 36 A 81905WX | 21CBP4A | 21.85 | － | 36 R 82101 WX | 23HWP4 | 50.40 | 6.50 |
| 36 R 60287 WX | 178.184 | 26.95 |  | 36 R 80741WX | 21CQP4 | 30.15 |  | 36 ¢ $81186 \mathrm{~W} \times$ | 23JP4 | 46.25 | 6.50 |
| 36 R 80303WX | 178WP4 | 22.55 | － | 36 R 80782WX | 2104 | 28.75 | － | 36 R 81202 WX | 23NP4 | 41.70 | 6.50 |
| 36 R 82465Wx | 17 CFP 4 | 24.60 | － | 36 R 81921 WX | $2105 P 4$ | 30.50 |  | 36 R 81236WX | 24AEP4 | 32.95 |  |
| 36 R 82630WX | 17 DKP 4 | 26.55 | $\cdots$ | 36 R 80790wx | $21 E P 4 C$ | 31.65 | － | 36 R 81244WX | 24AHP4 | 46.50 | 4.00 |
| 36 R 80410WX | 170QP4 | 26.55 | － | 36 月 $82358 W \mathrm{~W}$ | $21 E M P 4 / E Q P 4$ | 429.15 | － | 36 R 81277 WX | 24AUP4 | 39.25 |  |
| 36 R 80428WX | $170 \mathrm{PP4}$ | 30.10 | － | 36 R 80873WX | 21 FP4D | 31.65 | － | 36 \＆ 81301 WX | $24 \mathrm{CP4B}$ | 32.95 |  |
| 36 R 80436WX | 170SP4 | 28.45 | － | 36 R 80840w | 21 FDP4 | 38.92 | － | 36 R $81343 W \mathrm{~W}$ | $27 \times P 4$ | 96.85 | 16.50 |
|  |  |  |  |  |  |  |  | 36 R 82127WX | 272P4 | 101.85 | 16.50 |

CROSS－REFERENCE FOR TUBE TYPES NOT SHOWN ABOVE

| Orig． Type | Replace With | Oris． Type | Replace With | Orip． Type | Replace With | Orig． Type | Replace With | Orig． Type | $\begin{aligned} & \text { Replace } \\ & \text { With } \end{aligned}$ | Oris． Type | Meplace With |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9UP4 | 9VP4 | 16BWP4 | 168GP4 | 17JP4 | $178 \mathrm{P4D}$ | 190CP4 | 190RP4 | 19FWP4 | 19AYP4 | 21 WP4 | 21CBP4A |
| $11 \mathrm{AP4}$ | 11HP4A | $16 \mathrm{CAP4}$ | 168GP4 | 17RP4 | 17HP4C | 19DFP4 | $19 \mathrm{CHP4}$ | 19GEP4 | 19C2P4 | $21 \mathrm{CXP4}$ | 210 SP4 |
| $118 \mathrm{P4}$ | $11 \mathrm{HP4A}$ | 16CEP4 | $16 \mathrm{CMP4A}$ | $17 \mathrm{VP4}$ | 17LP4B | 190HP4 | 190SP4 | $19 \mathrm{GFP4}$ | 19GEP4 | $21 \mathrm{CZP4}$ | 21EMP4 |
| ．128LP4 | 128KP4 | $16 \mathrm{CFP4}$ | $16 \mathrm{CQP4}$ | 19ACP4 | 19CHP4 | 190LP4 | $19 \mathrm{CHP4}$ | 196.194 | 190QP4 | 2104 P 4 | 21 MP4 |
| 128MP4 | $12 \mathrm{CDP4}$ | 16CJP4 | 16CMP4A | 19ADP4 | 19AVP4 | 19DNP4 | 190KP4 | $19 \mathrm{GNP4}$ | 190RP4 | $2108 P 4$ | 21EMP4 |
| 128QP4 | 12BKP4 | $16 \mathrm{CUP4}$ | 16ATP4 | 19AHP4 | 19AYP4 | 190WP4 | 190QP4 | 19GRP4 | 190QP4 | $2105 P 4$ | $21 E M P 4$ |
| 12BUP4 | $12 \mathrm{BKP4}$ | $16 \mathrm{VPP4}$ | 16ATP4 | 19 AKP4 | 19AVP4 | 190YP4 | $19 \mathrm{CVP4}$ | $19 \mathrm{GTP4}$ | 190UP4 | $210 \mathrm{MP4}$ | $21 E M P 4$ |
| 12CQP4 | 128 KP 4 | $16 \mathrm{KP4}$ | $16 \mathrm{PP4B}$ | 19ANP4 | 19AYP4 | 190ZP4 | 190VP4 | 19XP4 | 19AVP4 | 210 RPA | $2168 P 4 A$ |
| $120 \mathrm{HP4}$ | $12 \mathrm{BKP4}$ | 17ATP4 | 178JP4 | 19 ARP4 | 19AFP4 | 19EDP4 | 190RP4 | 192P4 | 19AVP4 | 210QP4 | 210LP4 |
| 12CFP4 | $12 \mathrm{CNP4}$ | 17AVP4 | 178JP4 | 19AUP4 | 19AFP4 | 19EFP4 | 190 SP4 | $20 \times 1$ | 20JP4 | $21 E D P 4$ | 21EMP4 |
| 12CGP4 | 12BNP4A | 178RP4 | 1705 SP 4 | 19AXP4 | 19AYP4 | 19EHP4 | 190RP4 | 21 ACP4 | 21 AMP4B | $21 E$ PP4 | $21 E M P 4$ |
| 16 ASP4 | 16 ATP4 | 178UP4 | 178JP4 | 19AZP4 | 19AVP4 | 19EJP4 | 190UP4 | 21AVPa | 21AUP4C | 21ESP4 | $21 E M P 4$ |
| 16AVP4 | 16 BCP 4 | 178 VP 4 | 178WP4 | 198HP4 | 19AVP4 | $19 E L P 4$ | 19AVP4 | 21 PYP4 | $21 \times 848$ | $21 E T P 4$ | $21 \mathrm{EMP4}$ |
| 16AYP4 | 16BGP4 | 1782 P 4 | 170SP4 | 198YP4 | 19AVP4 | $19 \mathrm{ERP4}$ | 19DRP4 | 21BAP4 | $21 \mathrm{CBP4} 4$ | 21 FAP4 | $21 E M P 4$ |
| 168DP4 | 16AUP4 | $17 \mathrm{CAP4}$ | 170 SP4 | 198WP4 | 19AYP4 | $19 \mathrm{SP4}$ | 190SP4 | 2180P4 | 21AUP4C | $21 F L P 4$ | 21 CBPA |
| 16BFP4 | 16AYP4 | $17 \mathrm{CBP4}$ | 178JP4 | $19 \mathrm{CDP4}$ | $19 \mathrm{CXP4}$ | $19 E U P 4$ | 190RP4 | 21BNP4 | 21CBP4C | 21 FWP4 | 21 FVP4 |
| 16BGP4 | 16 AJP4 | $17 \mathrm{CKP4}$ | $1705 P 4$ | $19 \mathrm{CJP4}$ | 19AVP4 | $19 E V P 4$ | 190QP4 | $2185 P 4$ | $214 \mathrm{MP4B}$ | 21 FZP4 | 21 VP4 |
| $16 \mathrm{BKP4}$ | 16CHP4A | 17CSP4 | 178WP4 | $19 \mathrm{CLP4}$ | 19BDP4 | 19EWP4 | 190QP4 | 21BTP4 | 21CBP4A | $21 \mathrm{GAP4}$ | 21 GBP 4 |
| 16BMP4 | 16AYP4 | $17 \mathrm{CWP4}$ | $1705 P 4$ | $19 \mathrm{CQP4}$ | $19 \mathrm{CXP4}$ | 19FBP4 | $19 E G P 4$ | $21 \mathrm{CEP4}$ | $21 E M P 4$ | $23 A C P 4$ | 23BTP4 |
| 1680 P 4 | 16CMP4A | $17 \mathrm{CZP4}$ | 178JP4 | 19CRP4 | 19BDP4 | 19FCP4 | $190 \mathrm{QP4}$ | 21CMP4 | 21CBP4A | 23 AFP4 | $23 \mathrm{BTP4}$ |
| 168SP4 | 16 ATP4 | 170LP4 | 170SP4 | $19 \mathrm{CSP4}$ | $19 \mathrm{CHP4}$ | 19FDP4 | 190QP4 | $21 \mathrm{CUP4}$ | 21 AMP4B | 23ALP4 | $23 \mathrm{CQP4}$ |
| $16 \mathrm{BVP4}$ | 16ATP4 | 17FP4 | 17 HPAC | $19 \mathrm{CUP4}$ | 19CMP4 | 19FJP4 | 190QP4 | $21 \mathrm{CVP4}$ | 21CBP4A | 23AMP4 | 23EKP4 |

PICTURE TUBE CROSS-REFERENCE (Cont'd.)

| Orif. Type | Replace With | 11 | Oris. Type | Replace With | Orig. Type | Replace With | Oris. Type | Heplace With | Orik. Type | Replace With |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23ASP4 | 23AHP4 |  | 23CEP4 | 23ARP4 | 23FCPA | 23GJP4 | 23HP4 | 23CP4A | $23 Y \mathrm{P} 4$ | 238194 |
| 23ATP4 | 23BKP4 |  | 23C2P4 | 23 AMP4 | $235 \mathrm{DP4}$ | 23GJP4A | 23HLP4 | 23GSP4 | 23ZP4 | 238KP4 |
| 23AUP4 | 23 AMP4 |  | $230 \mathrm{MP4}$ | $238 \mathrm{KP4} 4$ | 23 FEP4 | $23 E N P 4$ | 23HRP4 | 23HWP4 | 24A0P4 | $24 \mathrm{CP4} 8$ |
| 23BDP4 | $238 T P 4$ |  | 230184 | 230KP4 | $23 \mathrm{FHP4}$ | 23GJP4A | 23MKP4 | $23 \mathrm{MFP4}$ | 24ALPA | 24AMPA |
| $238 \mathrm{HP4}$ | 23EGP4 |  | $230 \times P 4$ | 23CP4A | 23FLP4 | 23EKP4 | 23JGP4 | $23 F R P 4$ | 2AANP4 | 24AEP4 |
| $2381 P 4$ | 238*P4 |  | 2302P4 | 23EPP4 | 23FMP4 | 23HFP4 | $23 J \mathrm{HP4}$ | 23HFP4A | $240 P^{4}$ | 24AEP4 |
| 238MP4 | 2387 P4 |  | $23 E F P 4$ | $23 \mathrm{GWP4}$ | $23 \mathrm{FVP4}$ | $23 \mathrm{HFP4}$ | 23LP4 | $23 E 1 P 4$ | 24 TP4 | $24 \mathrm{CP4}$ |
| $238 \mathrm{NP4}$ | $23 \mathrm{CP4A}$ |  | 23EHP4 | $23 \mathrm{KP4}$ | $23 \mathrm{GP4}$ | 23CP4A | 23MP4 | 23FP4A | 24VP4 | 24CP4B |
| $238 \mathrm{VP4}$ | $23 \mathrm{BTP4}$ |  | $23 E 1 P 4$ | $23 \mathrm{EKP4}$ | 23G8P4 | $23 \mathrm{WFP} \mathrm{S}^{\text {d }}$ | $230 \mathrm{P4}$ | $23 \mathrm{CP4}$ | $24 \mathrm{YP4}$ | 24AEP4 |
| 238WP4 | $238 \mathrm{TP4}$ |  | 23EMP4 | 23EKP4 | 23GEP4 | $23 E$ NP4 4 | 23 TP4 | 238TP4 | 247P4 | 2SAEPG |
| $238 \times 84$ | $23 E D P 4$ |  | $23 E S P 4$ | $23 \mathrm{HFP4}$ | 23GTP4 | 23ETP4 | 23UP4 | $238 \mathrm{PQ4} 4$ | 27SP4 | 27XP4 |
| $2382{ }^{294}$ | $23 \mathrm{CGP4}$ |  | 23F mps | 23 EQP4 | $23 \mathrm{CUP4}$ | 23FRP4 | 23WP4 | 23594 A | $27 \mathrm{VP4}$ | $27 \times P 4$ |
| $23 \mathrm{CBP4}$ | $238 \mathrm{QP4}$ |  | 235 BP 4. | 23ENP4 | $23 \mathrm{CxP4}$ | 236SP4 | 23xp4 | 238TP4 |  |  |

## COLOR PICTURE TUBES

| Stock No. | Tube Type | Net Ea. | Dud Value |  | Stock Mo. | Tude Type | Net Ea. | $\begin{aligned} & \text { Dud } \\ & \text { value } \end{aligned}$ | Stock No. | Tube Type | Ret Es. | $\begin{aligned} & \text { Dud } \\ & \text { value } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 R 40356 W K | 115122 | 71.00 | 4.00 |  | R 4es71wx | 19GWP22/EYP22 | 85.85 | 4.00 | 36 h $40299 W X$ | 21GFP22 | 123.35 | 5.00 |
| $36 \mathrm{R} 40455 \mathrm{~W} \times$ | 11 PP22 | 95.40 | 4.00 | 36 n | R 4C604WX | 19MCP22/ |  |  | 36 R 40414WX | 221922 | 104.00 | 9.00 |
| 36 R 40547 Wx | 15ACP22 | 79.35 | - |  |  | 19 HKP22 | 95.40 | 4.00 | 36 R 40422wx | 23 EGP22 | 115.95 | 4.00 |
| $36.40554 W$ K | 15AEP22 | 82.05 | - |  | R 403eowx | 19HNP22 | 95.40 | 4.00 | 36 R 4063*WX | $258 C P 22$ | 119.30 | 16.50 |
| 36 \& 40562 Wx | $15 \mathrm{MP22}$ | 82.00 | - |  | R 40612wx | 19 HXP 22 | 8.4.55 | 4.00 | 36 R 40513WX | 25 CP 22 | 113.15 | 16.50 |
| 36 R 40570 Wx | 15 YP 22 | 79.35 |  |  | R 4e620wx | 19 WP22 | 93.40 | 4.00 | 36 ค 40331 WX | 25 UP22 | 128.35 | 1.00 |
| 36 R 405aswx | $17 E X P 22$ | 102.65 | 9.00 | 36 R | R 40117wx | 21CYP22A | 6.000 |  | 36 R 40521wx | 25×P22/25AP22A | A 93.30 | 16.50 |
| 36 R 40596WX | $17 E 2 P 22$ | 89,65 | 4.00 | 36 R | ¢ 40398wx | 21FBP22 | 63.85 | 4.00 | 36 R $40539 W X$ | 25YP22/ |  |  |
| 36 P 40463WX | 19GVP22 | 2230.40 | 4.00 |  | R 40 406wx | $21 F 1922$ | 70.00 | 4.00 |  | 258P22A | 93.30 | 16.50 |

COLOR TUBE CROSS-REFERENCE

| Original Type |  | Rep ace with | Orignal Type |  | Replace Jith | Origimal Ty |  | Replace With |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 195 YP 22 | Use | 19GWP22/EYP22 | 21 GUP22 | Use | 2158922 | 25AP22A | Use | 25)P22/AP22A |
| 195 MP 22 | Use | 19GWP22/EYP22 | 216 P 22 | Use | 21FJP22 | 258P22A | Use | 25YP22/BP22A |
| 195 P 22 | Use | 19GWP22/EYP22 | 2243P22 | Use | 22JP22 | 25FP22 | Use | 25 YP22/BP22 |
| $1964 P 22$ | Use | 196WP22/EYP22 | 221522 | Use | 221922 | 25 GP22 | Use | 25xP22/AP22A |
| $19 \mathrm{GXP22}$ | Use | 19GVP22/EXP22 | 220022 | Use | 22JP22 | 25RP22 | Use | 25YP22/BP22A |
| $1967 P 22$ | Use | 19GVP22/EXP22 |  |  |  | 25\$P22 | Use | 25XP22/AP22A |
| $1967 P 22$ | Use | $196 \mathrm{VP22/EVP22}$ | 225922 | Use | 22 JP 22 | 25 VP22 | Use | 25xP22/AP22A |
| $1948 P 22$ | Use | 19GWP22/EYP22 | $22 Y 822$ | Use | 221922 | 25 WP22 | Use | 25×P22/AP22A |
| 19FKP22 | Use | 21F1P22 | 25AFP22 | Use | 254P22/AP22A | 252 P 22 | Use | 25)P22/AP22A |

RCA-GE-RAYTHEON
SPECIAL PURPOSE TUBES
RCA-GE-RAYTHEON
The fubes shown in thls listing will be supplied from brand new factory boxed stock manufactured by RCA, GE or Raytheon. Type shown with - is Victoreen Mig. Quantity users please contact our

| Stock No. | Tube Type | Met Ea | Stack No. | Tube Type | Nef E? | stach Ne. | Tube Type | Nel Ea. | Stock Mo. | Tube Type | Met Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36.14008 | 012 | 1.45 | 36 R 41727 | 6AS6 | 396 | $36 \% 42675$ | 5642 | 3.55 | 36 R 43723 | 6417 | 3.53 |
| 36 R 41024 | OA3 | 1.75 | 36 R 41735 | 6AS7GA | 5.25 | 36 R 42683 | 5651a | 1.95 | 36 ¢ 4380 c | 6550 | 6.00 |
| 36 R 41032 | OAAG | 2,30 | 36841743 | 6ALSWB | 2.22 | 36 R 42739 | 5653 | 6.05 | 36 R 43863 | 6669/6A05A | 1.78 |
| 36 R 41040 | O82 | 1.50 | 36 R 91768 | 6018/ECC68 | 1.90 | 36 R 42008 | 5686 | 4.00 | 36 R 43871 | 6677/6C16 | 2.46 |
| 36 R 41065 | 083 | 2.35 | 36.41834 | 12AÓ | 3.73 | 36 - 42857 | 5696 | 2.36 | 36 R 43997 | 6679/12AT7 | 1.83 |
| 36 R 41073 | 0 C 2 | 1.75 | 36 R 41842 | 12AT7WB | 3.03 | 36 \& 42931 | 5726/6AL5W | 2.20 | 36 \% 47905 | 6680/12AU7A | 1.61 |
| 36 R 41081 | 0¢3 | 1.56 | 36 m 41933 | 83 | 2.31 | 36 R 42956 | 5727 | 3.05 | 36 R 43913 | 6681/12AX7A | 1.44 |
| 36841099 | 003 | 1.55 | 36 R 41990 | 807 | 5.50 | 36 R 43012 | 5751 | 3.00 | 36 \% 43947 | 6883 | 4.95 |
| 36841123 | $1885^{\circ}$ | 19.75 | 36. R 42006 | 8114 | 9.25 | 36 R 43046 | 5763 | 2.70 | 36 R 43954 | 6922/E88CC | 4.90 |
| 36 R 411131 | 1 C 21 | 485 |  |  |  | 36 R 43851 | 5814 A | 2.89 | 36 R 43988 | 7054 | 1.70 |
|  | ${ }_{184}^{114}$ | 1.67 | 36.9 <br> 36 <br> 6.42014 | 816 | 7.60 4.75 | 36 R 43095 | 5823 | 1.85 | 36 R 44002 | 7056 | 1.02 |
| 36 k 41248 | $1 \mathrm{P40}$ | 7.15 |  | 816 | 4.75 | 36 R 43194 | 5881 | 3.10 | 36 R 14010 | 7059 | 1.65 |
| 36 R 41362 | 2021 | 1.50 | 36 l + 42121 | 8664 868 | 7.45 | 36 R 43769 | 5915 | 1.99 | 36 R 44028 | 7060 | 2.10 |
| 36 R 41396 | 2E26 | 465 | 36 \% 4212154 | 888 | 7.75 2.90 | 36 R 43277 | 5963 | 1.50 | 36 ¢ 44036 | 7061 | 1.66 |
| 36 R 411438 | 2x2A | 4.90 | 36 R 42154 | 822 | 2.90 4.90 | 36 R 43793 | 5965 | 2.25 | 36 R 44093 | 7360 | 3.77 |
| 36 R 41446 | 3A4 | 2.16 | 36 R 42212 | 922 | 9.90 9.10 | 36 R 43327 | 6012 | 8.21 | 36 艮 44101 | 7551 | 3.67 |
| 36 ¢ 41453 | 3A5 | 2.31 | 36 R R 422561 | 927 | 9.10 5.35 | 36 R 43426 | 6080 | 5.50 | 36 R ¢ 48127 | 7558 | 3.69 |
| 36 R 41487 | 3 B 28 | 9.55 | 36 R 42261 |  | 5.35 6.55 | 36 R 43442 | 6082 | 5.84 | 36 R 44150 | 7587 | 5.50 |
| 36841560 | 3 KP1 | 3570 |  |  |  | 36 R 43509 | 6136 | 3.25 | , 36 R 44200 | 7905 | 4.05 |
| 36 R 41578 | 3RP1 | 2100 | 36 是 42303 | 934 | 8.60 | 36 \& 43517 | 6146A | 4.45 | 36 R 48218 |  |  |
| 36 \% 41644 | 58P1A | 43.20 | 36 R 42329 | 955 | 7.05 | 36 R 43525 | 6146B/8298A | 5.45 | 36 R 44317 | 807717054 | 5.35 |
| 36 R 41669 | 5R4GYB | 240 | 36 R 42428 | 1614 | 5.84 | 36 R 435950 | 6201 | 3.30 | 36 R 44317 | 807717054 | 1.54 |
| 36 R 41577 | 5UP1 | 2240 | 36 R 42493 | 1625 | 6.60 | 36 R 43632 | 6211A | 2.70 | 8298A | Use 61468/8 | 2504 |
| 36 \% 41593 | 6AG7Y | 3.11 | 36 \& 42501 | 1629 | 2.86 | 36 R 43699 | 6360 | 4.95 | 36844374 | 9005 | 8.05 |
| $36 \times 41701$ | 6ak6 | 1.40 | 36 R 42527 | 2050A | 230 | 36 R 43707 | 6386 | 9.50 | 36 R 44382 | 9006 | 2.70 |



A 6" ptastic ruler combination tube pin straightener. Accommodates Novar, Nuvistor, and Compactron large $7 \mathrm{DN}, 9$ pin and 10 pin tubes.
13 R 61229
Net $\mathbf{s s}$
(8) TUBE AND PARTS EXTRACTOR

This handy tube extracter is shillfully constructed of spring steel, nickel piated. Has rubber cushion on the prongs.
rubber cus
13 a 61211


Light, compact caddy capable of hoiding up to 143 tubes. One fold-out compartment has snap fastened cover, other has buift-in separator Extremely convenient caddy for carrying tools, new, vinyl covering. Size $15 \mathrm{k} x$ $12 \mathrm{y} \mathrm{argr}^{\prime \prime}$ Shpg. Wt., $71 / 4 \mathrm{lbs}$.
12 R18015 W


## RCA TUBE

 RECEIVING MANUALRC-2t. The brand new edition of RCA's enormously popular RCA receiving tube manual A big 672 pages long, the manual includes complete technical data on all current tubes. Features tube theory writlen for the layman application Information and a useful circuits section. Tuner, recelver, amplifier, intercom and other circuit diagrams, sochet diagrams. tube dimension drawings, resistance-coupled amplifier data. Shpg. wt., $13 / 4 \mathrm{lbs}$ 10 R 47018

THE QUALITY LINE with the 2-YEAR GUARANTEE
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 original salesuslip or order. Some types imported.

ASSORTMENT PRIVILEGE: TUBES MAY BE ASSORTED FOR QUANTITY PRICE


# RCA - GE - Raytheon Receiving Tubes <br> <br> 12 MONTH GUARANTEE 

 <br> <br> 12 MONTH GUARANTEE}

All receiving tubes are guaranteed for 12 months from date of purchase. We will replace any tube that does not give elficient performance for a full 12 ononth's period. This of course does not apply to burned cut or broken tubes.
BRAMDS: HC -CE- PATTMEOM. We will supply one of these famous national brands depending on our stock availability. Some types imported.
assortment privilege: Tubes may be assorted for quantity price


|  |  |  |  | 25 |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |

RCA-GE-RAYTHEON RECEIVING TUBES (Cont.)

Stock No. Tube Type i.5 6.24 ${ }^{232}$ $\begin{array}{lllllll}36 & \text { R } & 12058 & \text { 6AK5/EF95 } & 2.57 & 2.38 & 2.14\end{array}$ 36 R 19764 GAK6 $\quad 1.651 .531 .38$ 36 R 20135 GAKB EABC80
36 R 20440 6AK 10 36 R 12066 6AL3/EY88 36 R 12074 6AL5 36 R 12082 6AL7GT 36 R 12090 6AL11 36 R 12108 GAM4 36 R 12116 6AM8A 36 R 12124 GAN4 36 R 12132 GANBA 36 R 12140 6AOSA/6MG5 36 R 12157 6AC6
36 R 12165 6AG7GT
36 R 12173 6AQ8/ECC85 36 R 12181 GAR5 36 R 12297 6AR 36 R 12207 6AR11 36 R 12215 GAS5 36 R 12223 GAS8
36 R 12231 GAS11
36 R 12249 6AT6 36 R 12264 GAU4GTA 36 R 12272 GAU5GT 36 R 12280 6AU6A 36 R 12298 6AU8A 36 R 12306 6AV5GA
36 R 12314 GAV6
36 R 12322 GAV11
36 R 12330 GAWBA 36 R 12348 6AX3
36 R 12355 6AX4GTB
36 R 12363 6AX5GT GAX8 U
36 R 12997 6BS3A
36 R 124056478
36 R 124136 B
36 R 124216810
36 R 12439 6BA3
36 R 12447 6BA6/EF93
36 R 12454 6BA7
36 R 12462 6BABA
36 R 12470 6BA11
36 R 12496 6BC5/6CE5
36 R $125046 \mathrm{BC7}$
36 R 19772 6BC8/6BZ8 36 R 12520 6BD6

36 R 12538 6BD11 36 R 12546 6BE3/6BZ3 36 R 12553 6BE6 36 R 12561 6BF5 | 36 | R | 12579 |
| :--- | :--- | :--- |
| 36 | 6BF6 | 12587 | 36 R 12595 6BG6GA

36 R 12603 6BH3A
36 R 12611 6BH6
36 R 12629 6BH8
36 R 12637 6BH11
36 R 12645 6BJ3
36 R $1265268 J 6$
$\begin{array}{llll}36 & \text { R } 12660 & 6 \mathrm{BJ7} \\ 36 & \text { R } 12678 & 6 \mathrm{BJ} 8\end{array}$
36 R $12686 \cdot 6 \mathrm{BK} 4 \mathrm{C} /$
36 R 12694 6BK5
36 R 12702 6BK7B
36 R 12710 6BL7GTA
36 R 12728 6BL8/ECF80 36 R 12736 6BM8/ECL82 36 R 12744 6BN4A 36 R 12751 6BN6/6KS6 36 R 12769 6BN8
36 R 12777 6BN11
36 R 12785 6BQ5/EL84
36 R 12793 6BO6GA/ 6CU6
$\qquad$
36 R 12801 6BG6GTB 36 R 12819 6BQ7A/
$\begin{array}{lllll}6 B Z 7 / 6 B S 8 & 2.89 & 2.68 & 2.41\end{array}$ 36 R 20580 GRR3/GRK19 $2.46 \quad 2.28 \quad 2.05$ 36 R 12827 6BRBA/

6FVBA $2.812 .60 \quad 2.34$ 6BS3A USE 6AY3B/6BS3A 6BS8 USE 6BG7A/6BZ7
36 R 12850 6BU8
36 R 12868
36 R 19996
8BVII 6BW3 USE
$\begin{array}{llll}36 & R & 12876 & 6 B W 4 \\ 36 & \text { R } & 12884 & 6 B W\end{array}$
36 R 12892 6BW11
36 R 129006 BX 7 GT
$1.78 \quad 1.651 .49$ $3.00 \quad 2.782 .50$ $1.40 \quad 1.30 \quad 1.17$ $\begin{array}{llll}1.59 & 1.48 & 1.33\end{array}$ $\begin{array}{llll}3.75 & 3.45 & 3.13\end{array}$ 3.593 .333 .00 $3.89 \quad 3.60 \quad 3.24$ 2.722 .532 .28 $\begin{array}{llll}3.32 & 3.08 & 2.77\end{array}$ $3.00 \quad 2.75 \quad 2.48$ $\begin{array}{lll}2.00 & 1.85 & 1.67 \\ 2.08 & 1.93 & 1.74\end{array}$ $\begin{array}{lll}2.54 & 2.35 & 2.12\end{array}$ $\begin{array}{ll}1.62 & 1.50 \\ 1.35\end{array}$ $\begin{array}{llll}2.35 & 2.18 & 1.96\end{array}$ 3.192 .952 .66 $3.022 .80 \quad 2.52$ $\begin{array}{llll}2.40 & 2.23 & 2.01 \\ 2.89 & 2.68 & 2.41\end{array}$ 3.273 .032 .73 $1.30 \quad 1.20 \quad 1.08$ 3.052 .832 .55 $\begin{array}{lll}2.81 & 2.60 & 2.34\end{array}$ $3.132 .90 \quad 2.61$ $1.76 \quad 1.631 .47$ $3.40 \quad 3.152 .84$ 3.513 .252 .93 $\begin{array}{llll}1.59 & 1.48 & 1.33\end{array}$ 2.672 .482 .23 2.652 .452 .21 $2.03 \quad 1.88 \quad 1.69$ $2.27 \quad 2.10 \quad 1.89$ $2.35 \quad 2.18 \quad 1.96$ /6AxB
$2.27 \quad 2.10 \quad 1.89$ $3.192 .95 \quad 2.66$ $3.24-3.00 \quad 2.70$ $3.703 .43 \quad 3.09$ $2.86 \quad 2.65 \quad 2.39$ $1.65 \quad 1.53 \quad 1.38$ 2.031 .881 .69 $2.812 .60-2.34$ $3.02 \quad 2.80 \quad 2.52$ $3.192 .95 \quad 2.66$ $2.031 .88 \quad 1.69$ $1.94 \quad 1.80 \quad 1.62$ $\begin{array}{lll}2.89 & 2.68 & 2.41 \\ 1.27 & 1.18 & 1.06\end{array}$ $3.32 \quad 3.08 \quad 2.77$ $\begin{array}{llll}2.86 & 2.65 & 2.39\end{array}$ $2.05 \quad 1.90 \quad 1.71$ $1.81 \quad 1.68 \quad 1.51$ $\begin{array}{lll}1.76 & 1.63 & 1.47 \\ 3.11 & 2.88 & 2.59\end{array}$ $\begin{array}{lll}3.11 & 2.88 & 2.59 \\ 3.66 & 3.58 & 3.22\end{array}$ $1.511 .40 \quad 1.26$ 2.402 .232 .01 3.162 .932 .64 $3.05 \quad 2.83 \quad 2.55$ $1.76 \quad 1.631 .47$ $2.40 \quad 2.232 .01$ $\begin{array}{lll}1.59 & 1.48 & 1.33 \\ 2.57 & 2.38 & 2.14\end{array}$
$4.243 .93 \quad 3.54$ $1.89 \quad 1.75 \quad 1.58$ $2.812 .60 \quad 2.34$ $3.27 \quad 3.03 \quad 2.73$ $1.46 \quad 1.35 \quad 1.22$ $\begin{array}{lll}1.57 & 1.45 & 1.31 \\ 2.16 & 2.00 & 1.80\end{array}$ $2.162 .00 \quad 1.80$ 2.922 .702 .48 $2.32 \quad 2.151 .94$ 2.892 .682 .41 $2.30 \quad 2.13 \quad 1.92$ 3.273 .032 .73

Stock No. Tube Type
36 R 12918 6BY5G
36 R 12926 6BY6
36 R 12934 6BY8
11
$\begin{array}{lll}1.59 & 2.40 & 2.16 \\ 2.38 & 2.20 & 1.98\end{array}$
$1.46 \quad 1.35 \quad 1.22$

 36 R 11994 6DZ4/6AF4A 2.652 .452 .21 36 R $136016077 \quad 5.59 \quad 5.184 .66$ 36 R 13619 6E5
$3.46 \quad 3.20 \quad 2.86$
6EA4A USE GEH4A
6EA5 USE 6CY5
GEA7 USE GEMT/GEA7
36 R 13635
2.322 .15

6EB8 USE 6GNB/6EB8
GEF4 USE 6EJ4A
 $\begin{array}{lllll}36 R & R & 3676 & 6 E H S & 2.24 \\ 36 & 2.08 & 1.87\end{array}$ $\begin{array}{lllllll}36 & \text { R } & 13684 & 6 E H 7 / E F 183 & 2.08 & 1.93 & 1.74 \\ 36 & \text { R } & 13692 & 6 E H 8 & 1.89 & 1.75 & 1.58\end{array}$

Stock No. Tube Type $\quad 1.5 \quad 6.24 \quad 25$ 36 R 13700 6EJ4A $\quad 5.054 .68 \quad 4.21$ 36 R 13718 6EJ7/EF184 1.921 .781 .60 6EL4 USE 6BK4C/6EL
36 R 13726 GEM5 36 R 13734 6EMT/GEA7 $3.29 \quad 3.05 \quad 2.75$ $\begin{array}{llllllllll}36 & R 21513 & \text { GEN4 } & 4.56 & 4.23 & 3.81\end{array}$ $\begin{array}{llllllllllllll}36 R 13742 & \text { 6EQ7 } & 1.59 & 1.48 & 1.33\end{array}$ 36 R 13759 GER5 $\quad 2.512 .33210$ $\begin{array}{lllllllllll}36 & \text { R } 13767 & 6 E S 5 & 1.54 & 1.43 & 1.29\end{array}$ 36 R 13775 6ES8
$2.94 \quad 2.73 \quad 2.46$
36 R 13783 ECC189
$2.16 \quad 2.00 \quad 1.80$
36 R 13791 GEU7 $\quad 2.38 \quad 2.201 .98$
36 R 13809 6EU8 $\quad 2.38 \quad 2.20 .1 .98$
36 R 13817 6EV5 $\quad 2.302 .131 .92$
36 R 13825 6EV7 $\quad 1.761 .631 .47$
36 R 13833 GEWG 2.081 .931 .74
$\begin{array}{llllll}36 R & R 13841 & 6 E W 7 & 3.51 & 3.25 & 2.93 \\ 36 R & 13866 & 6 E Y 6 & 2.70 & 2.50 & 2.25\end{array}$
36 R 13874 GEZ5
$\begin{array}{llllll}36 R 13882 & 6 E L 5 & 3.13 & 2.90 & 2.61 \\ 36 & \text { R } 13890 & \text { EF5 } & \mathbf{1 . 9 2} & 1.78 & 1.60\end{array}$

36 R 13908 6F6/6F6GT $3.623 .35 \quad 3.02$ 6F6GT USE 6F6

36 R 13924 6F8G $\quad 4.564 .23 \quad 3.61$ $\begin{array}{llllll}36 R 13932 & \text { 6FA7 } & 1.59 & 1.48 & 1.33\end{array}$ $\begin{array}{llllll}36 & \text { R } 13940 \text { GFDG } & 1.92 & \text { 1.78 } & 1.60\end{array}$ $\begin{array}{lllllllllll}36 & \text { R } 13957 \text { 6FD7 } & 3.35 & 3.10 & 2.79\end{array}$ 36 R 13965 GFE5 $\quad 1.841 .70 \quad 1.53$ 36 R 13973 6FG5 $\quad 2.72 \quad 2.532 .28$ 36 R 13981 6FG6/EM84 $1.81 \quad 1.68 \quad 1.51$ $\begin{array}{llllllll}36 & \text { R } & 13981 & 6 F G 6 / E M B 4 & 1.81 & 1.68 & 1.51 \\ 36 & \text { R } 13999 & 6 F G 7 & 2.72 & 2.53 & 2.28\end{array}$ $\begin{array}{llllll}36 & \text { R } 13999 & 6 F G 7 & 2.72 & 2.53 & 2.28 \\ 36 & \text { R } 14005 & 6 F H 5 & 2.70 & 2.50 & 2.25\end{array}$ 36 R 14013 6FH8 $\quad 2.362 .201 .98$ $\begin{array}{llllllllll}36 R 14021 & 6 E J 7 & 2.65 & 2.45 & 2.21\end{array}$ 36 R 14039 6FM7 $3.00 .2 .78 \cdot 2.50$ 36 R 14047 GFM8 USE 2.242 .081 .87
36 R 14054 6FQ7/6CG7 $1.76 \quad 1.63 \quad 1.47$ $\begin{array}{lllll}36 & \text { R } 14062 & \text { GFS5 } & 2.46 & 2.28 \\ 36 & 2.05\end{array}$ $36 R 14070$ 6FVG 2.892 .682 .41 GFVBA USE 6BRBA/GFVBA
36 R 14088 6FW5
36 R 14096 6FY5/EC97 1.49 1.38 124
36 R 14104 6FY7 $1.89 \quad 1751.78$
36 R 14120 6G11
36 R 50124 6GB3A
36 R 50124 6GB3A $\quad 3.403 .152 .84$
36 R $141386 \mathrm{GG85/EL500} \quad 2.051 .90 \quad 1.71$
36 R 50132 6GB6
6GB7 USE GGW6/6DO6B
36 R 14146 GGC5 $\quad 3.052 .832 .55$
36 R 14153 6GE5 $\quad 3.403 .152 .84$
36 R 14161 6GF5 $\quad 2.40 \quad 2.232 .01$
$\begin{array}{llllll}36 R 14179 & 6 G F 7 A & 3.05 & 2.83 & 2.55 \\ 36 & R 14187 & 6 G H 8 A & 1.81 & 1.68 & 1.51\end{array}$
$\begin{array}{llllll}36 R 14187 & \text { 6GH8A } & 1.81 & 1.68 & 1.51 \\ 36 R & 14195 & \text { GGJ5A } & 3.59 & 3.33 & 3.00\end{array}$
36 R 14203 6GJ7|
ECFB01
$\begin{array}{llllll}36 & R 14211 & 6 \mathrm{GK} 5 / 6 \mathrm{FQ} A \mathrm{~A} & 2.72 & 1.55 & 1.40 \\ 36 & 2.28\end{array}$ $\begin{array}{lllllll}36 & \text { R } 14229 \text { 6GKG } & 2.21 & 2.05 & 1.05\end{array}$
36 R 50140 6GK17 2.432 .191 .94
36 R 14237 6GL7 $\quad 3.132 .902 .61$
36 R 14245 6GM5
$\begin{array}{llll}3.13 & 2.90 & 2.61 \\ 1.65 & 1.53 & 1.38\end{array}$
$\begin{array}{llllll}36 & R & 14252 & \text { GGM6 } & 2.30 & 2.13 \\ 36 & 1.92 \\ 36 & 14260 & 6 G M 8 / E C C 86 & 2.35 & 2.18 & 1.96\end{array}$
36 R 14278 GGN8/6EB8 3.052 .832 .55
$\begin{array}{llllll}36 & R 14286 & 6 G Q 7 & 2.03 & 1.88 & 1.67\end{array}$

| 36 | R 20895 | GGS7 | 2.03 | 1.88 |
| :--- | :--- | :--- | :--- | :--- |
| 36 | 1.67 |  |  |  |

$\begin{array}{llllll}36 R 14302 & \text { GGUS } & 2.65 & 2.45 & 2.21\end{array}$
$\begin{array}{llllll}36 & \text { R } 14310 & \text { GGU7 } & 2.40 & 2.23 & 2.01 \\ 36 R 14328 & \text { GGV5 } & 2.65 & 2.45 & 2.21\end{array}$
 6GW6 USE 6DO6B/6GW6
36 R 14344 6GW8/ECL86 $1.65 \quad 1.53 \quad 1.38$ 6GX6 USE 6GV6/6GX6
36 R $143516 G \times 7 \quad 3.192 .95 \quad 2.66$

| 36 | R 14369 | 6GY5 | 2.97 | 2.75 |
| :--- | :--- | :--- | :--- | :--- |
| 36 | 2.48 |  |  |  |
| 36 | 14377 | 6GYG/6GX6 | 1.89 | 1.75 |

$\begin{array}{llllll}36 & \text { R } 14377 & \text { 6GY6/6GX6 } & 1.89 & 1.75 & 1.58 \\ 36 & \text { R } 14385 & \text { GGY8 } & 2.78 & 2.58 & 2.32\end{array}$
$\begin{array}{llllll}36 & \text { R } 14393 & \text { GGZ5 } & 1.46 & 1.35 & 1.22\end{array}$
GH6 USE 6
6HM5/6HA5
6HA6 USE 6HB6/6HA6
36 R 14419 6HB5 $\quad 2.722 .532 .28$
$\begin{array}{llllll}36 & \text { R } 14427 & 6 H B 6 / 6 H A 6 & 2.65 & 2.45 & 2.21\end{array}$
$\begin{array}{lllllll}36 & \text { R } 14435 & 6 H B 7 & 2.57 & 2.38 & 2.14\end{array}$
36 R 21059 6HD7 $1.78 \quad 1.651 .49$ 6HE5 USE 6JB5/6HE5
$\begin{array}{llllll}36 & \text { R } 14450 & \text { 6HF5 } & 4.70 & 4.35 & 3.92 \\ 36 & \text { R } 14468 \text { 6HFB } & \mathbf{3 . 1 9} & 2.95 & 2.66\end{array}$
6HG5 USE 6AQ5A/6HG5
$\begin{array}{llllllll}36 & R & 14476 & \text { 6HG8/ECF86 } & 2.00 & 1.85 & 1.67 \\ 36 & R & 14492 & 6 H J B & 1.67 & 1.55 & 1.40\end{array}$
$\begin{array}{lllll}36 & \text { R } 14492 & 6 H J B & 1.67 & 1.55 \\ 36 & 1.40\end{array}$
$\begin{array}{llllll}36 & \text { R } 14500 & 6 H K 5 & 2.11 & 1.95 & 1.76 \\ 36 & 14518 & 6 H L 8 & 2.00 & 1.85 & 1.67\end{array}$
36 R 14526 6HM5/6HA5 $2.27 \quad 2.10 \quad 1.89$

RCA-GE-RAYTHEON RECEIVING TUBES (Cont.)

| Stack Mo. | Tube Type | $1-5$ | E. 24 | $\underset{U_{0}^{2}}{25}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 R 14534 | 6HM6 | 159 | 1.48 | 3 |
| 36 ¢ 14542 | 6 HQS | 3.00 | 2.78 | 2.50 |
| 36 R 14559 | 6HR5 | 138 | 128 | 1.15 |
| 36 R 14567 | 6HRG | 200 | 1.85 | 1.67 |
| 36 R 14575 | 6HS5 | 4.64 | 4.30 | 3.87 |
| 36 R 14583 | 6HS6 | 200 | 1.85 | 1.67 |
| 36 R 14591 | 6HS8 | 281 | 2.60 |  |
| 36 R 20143 | 6HU6/EM87 | 262 | 2.43 | 2.19 |
| 36 R 20598 | 6HU8/ELL80 | 3.32 | 3.08 |  |
| 36 R 20150 | 6HV5A | 537 | 4.98 | 4.48 |
| 36 R 21414 | 6H25/6JD5 | 119 | 3.88 |  |
| 36 R 14609 | 6H26 | 1.97 | 1.83 | 1.65 |
| 36 R 14625 | $6 J 5$ | 272 | 2.53 | 2.28 |
| 36 R 14633 | 6J5GT | 272 |  |  |
| 36 R 14641 | ${ }^{6 J 64}$ | 265 | 2.45 | 2.21 |
| 36 R 14658 | 6 J 7 | 4.10 | 3.80 |  |

6J10 USE 6210/6J10
36 R 146666111 36 R 21075 6JB5/6HES
 36 R 14682 GJC6A 36 R $146906 \mathrm{JC8}$

JD5 USE 6H75/6J05
36 ค 14708
6 606
6JEGA USE GLOG 2.302
36 R 14724 6JE8 $\quad 2.00 \quad 1.85 \quad 1.67$

36 R 14732 6JF6 36 R 21422 6JG5 $\begin{array}{ll}36 R 14740 & \text { GJG6A } \\ 36 & 21430 \\ 6 J H 5\end{array}$ 36 R 21430 6JH5 36 R 14765 6JH8 36 R $214486 \mathrm{JK5}$ | 36 R 20168 | $6 J K 6$ |
| :--- | :--- |
| 36 | R 14773 | 36 R 14781 6JM6A 36 R 14799 6JN6 36 R 14807 6JN8 36 R $200106 \mathrm{JQ6}$ 36 R 14815 6JS6C 36 R 14823 6JTGA 36 R 148316 6JT8 36 R 20036 6JU6A 36 R 14849 GJU8A 36 R 14864 6JW8. 36 R 50165 EJY8 $\quad 1.671 .551 .40$ 36 R 14872 6J 26 36 R 148806.628 36 R 14898 6K6GT 36 R $149066 K 7$

GT 2.512 .332 .10 2.402 .232 .01 $2.482 .30 \quad 2.07$ $\begin{array}{lll}3.75 & 3.45 & 3.13 \\ 4.16 & 3.85 & 3.47\end{array}$ | 36 | R 14922 | $6 K 11 / 6 Q 11$ | 2.40 | 2.23 | 2.01 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | 36 R 14930 6KAB 36 R 14948 6KD6 2.892 .682 .41 6KD8 USE 6บ8A/6AX8

36 R 14955 6KE8
36 R 21455 6KG6A/
$\begin{array}{llllll}36 & \text { R } 14963 & \text { EL509 } & 5.27 & 4.88 & 4.39\end{array}$
$\begin{array}{llllll}36 & \text { R } 14963 & \text { KKL8 } & 1.59 & 1.48 & 1.33 \\ 36 & \text { R } 14971 & \text { 6KM6 } & 4.78 & 4.43 & 3.56\end{array}$
$\begin{array}{llllll}36 & R 14971 & \text { 6KM6 } & 4.78 & 4.43 & 3.99 \\ 36 & \text { R } 14989 & \text { 6KMB } & 1.86 & 1.73 & 1.56\end{array}$
36 R 20176 6KN6 $\quad 4.324 .00 \quad 3.60$
36 R 20606 6KN8/
36 R 14997 6KR8
$4.00 \quad 3.70 \quad 3.33$
36 R 14997 6KR8 $2.30 \quad 2.13 \quad 1.92$ 36 R 15002 6KT6 36 R 150106 KT 8 $\begin{array}{lll}36 & R 15028 & 6 K U 8 \\ 36 & \text { R } 21083 & 6 K V 6 A\end{array}$ 36 R 150366 KV 8 36 R 15044 6KY8A 36 R 15051 6KZ8 $\begin{array}{ll}36 \text { R } 15069 \text { 6L6 } \\ 36 \text { R } 15077 & 6 L 6 G C\end{array}$ $\begin{array}{llll}36 & \text { R } 15077 & 6 L 6 G C \\ 36 & \text { R } 15085 & 6 L 7\end{array}$ 36 R 15093 6LB6 36 R $151016 L B 8$ $\begin{array}{ll}6 L B 8 \\ \text { 6LC6 USE } & 2.54 \\ 6 L & 2.35 \\ 2.12 & 2.12\end{array}$
 36 R 15127 6LE8 $\quad 3.59 \quad 3.333 .00$ 36 R 20184 GLF6 4.564 .231 .81 36 R 15135 6LF8 3.052 .832 .55 6LH6A USE 6L 6 A/6LH6A

## 36 R 15150 6LJ6A

36 R 15158 6LH6A 4.484 .153 .74
36 R 151766 LM
$\begin{array}{llll}2.81 & 2.60 & 2.34\end{array}$
36 R 15184 GLNB/LCFBO $\quad 2.892 .682 .41$ 36 R 19798 6LQ6/6JE6C 4.75 1.20 4.40 36 R 15192 6LQ8
36 R 20390 6LRG 36 R 20192 6LR8 36 R 152006 LT8
$\begin{array}{lll}\text { BNG/6KS6 } & \\ 2.65 & 2.45 & 2.21 \\ 3.19 & 2.95 & 2.66\end{array}$
2.592 .402 .16
3.943 .653 .27
$3.54 \quad 3.28 \quad 2.96$ $4.40 \quad 4.08 \quad 3.67$ 2.432 .252 .03 5.515 .104 .59 3.593 .333 .00 $\begin{array}{llll}3.75 & 3.45 & 3.13\end{array}$ $4.78 \quad 43 \quad 3.99$

Stock No. Tube Ty
36 R 15218 6LUB
36 ค 21463 6LX6
36 R $1522661 \times 8$ /
36 R 15234 LCF802
36 R 152426 M 6 11
36 R $202006 \mathrm{MB8}$ 36 R 15259 6MD8 36 R 15267 6MEs 36 R 198066 MF 8 36 R 20457 6MG8 36 R 50173 6MHH3 36 R 20218 6MJ8 36 R 19814 6MK8A

36 R 20622 6MNB | 36 |  |
| :--- | :--- |
| 36 | R 20622 |
| 36 | $6 M N 8$ | 36 R 210916 GUB 36 R 211096 MVB 36 R 15275 6N7

36 R 15283 GN7GT
36 R 15291607
$1.5 \quad 6.24^{25}$ $3.01 \frac{6.85 \quad 2.57}{2 .}$ 5.134 .754 .28
$1.40 \quad 1.30 \quad 1.17$ $2.40 \quad 2.23 \quad 2.01$ $3.43 \quad 3.182 .86$ $1.97 \quad 1.83 \quad 1.65$ 3.132 .902 .61 3.353 .102 .79 $2.572 .38 \quad 2.14$ 1.321231 .11 $1.45 \quad 1.31 \quad 1.16$ $\begin{array}{lll}2.72 & 2.53 & 2.28 \\ 2.65 & 2.45 & 2.21\end{array}$ $2.86 \quad 2.65 \quad 2.39$ 2.402232 .01 3.192 .952 .66 $\begin{array}{lll}2.92 & 2.70 & 2.43 \\ 3.27 & 3.03 & 2.73\end{array}$ $\begin{array}{lll}3.27 & 3.03 & 2.73 \\ 3.19 & 2.95 & 2.66\end{array}$

6Q11 USE 6K11/60.9
6RHH2 USE 6BC8/6B28 6RHH8 USE 6KNJ/6RHM8 6RK19 USE 6RR3/6RK19
36 R 50207 6RP15
36 R 20663 6RP22
36 R 15309 6S4A
$\begin{array}{lll}36 & \text { R } 15325 & \text { 6SA7 } \\ 36 & R 15333 & \text { 6SA7GT }\end{array}$
36 A 15341 6SB7Y
36 R 15358 6SC7
36 R 15366 6SFS
$\begin{array}{llll}36 & \text { R } 15374 & 6 S F 7 \\ 36 & \text { R } 15382 & 6 S G 7\end{array}$
36 R 15382 6SG7
36 R 15390 6SH7
36 R 15408 6SJ7
36 R 15432 6SK7GT
36 R 15440 6SL7GT
36 R 15457 6SN7GTB
36 R 154656507
36 R 15481 6SR7
36 R 15499 6T4
36 R 15507 6T8A
$\begin{array}{llll}36 & 15515 & \text { 6T9 } \\ 36 & \text { F } & 15523 & \text { 6T10 }\end{array}$
$\begin{array}{ll}36 \text { R } 155316 U 5 \\ 36 & \text { F } 198226 U 8\end{array}$
8A/6AX8

$\begin{array}{lll}2.51 & 2.33 & 2.10 \\ 5.37 & 4.98 & 4.48\end{array}$ $\begin{array}{lll}5.37 & 4.98 & 4.48 \\ 2.00 & 1.85 & 1.67\end{array}$ $\begin{array}{lll}2.00 & 1.85 & 1.67 \\ 3.19 & 2.95 & 2.65\end{array}$ $2.36 \quad 2.20 \quad 1.98$ 3.212 .982 .68 3.192 .952 .66 2.702 .502 .25 3.403 .152 .84 $3.02 \quad 2.80 \quad 2.52$ $3.32 \quad 3.08 \quad 2.77$ 3.162 .932 .64 $\begin{array}{lll}3.19 & 2.95 & 2.66 \\ 2.97 & 2.75 & 2.48\end{array}$ $\begin{array}{lll}2.97 & 2.75 & 2.48 \\ 2.92 & 2.70 & 2.43\end{array}$ | 2.38 | 2.20 | 1.98 |
| :--- | :--- | :--- |
|  |  |  | 3.212 .982 .68 $2.55 \quad 2.45 \quad 2.21$ $\begin{array}{lll}2.78 & 2.58 & 2.32\end{array}$ $\begin{array}{lll}2.89 & 2.68 & 2.41 \\ 2.38 & 2.20 & 1.98\end{array}$ 3.192 .952 .66 $4.00 \quad 3.70 \quad 3.33$ 36 P 15549 6U9/ECF201 $1.1 \pi 1.951 .76$ 36 R $155566 \cup 10 \quad 2.40 \quad 2.232 .01$ $\begin{array}{llllll}36 & \text { R } 15564 & 6 \mathrm{~V} 3 \mathrm{~A} & 2.40 & 2.23 & 2.01 \\ 36 & 2.46 & 2.28 & 2.05\end{array}$ 36 R 15572 6V4/EZ80 $\quad .81 \quad .75$. 68 36 R 955806 V 6

36 P. 15598 6V6GTA
$4.00 \quad 3.70 \quad 3.33$
36 R 15606 6W4GTA
36 R 15614 6W6GT/6DG6G
$\begin{array}{lllll}36 & \text { R } 156226 \times 4 & 2.48 & 2.30 & 2.07\end{array}$
36 R 15630 6×5GT $2.031 .88 \quad 1.67$
36 . 15648 6X8A
$\begin{array}{llll}2.13 & 1.98 & 1.78\end{array}$
36 - 15655 6X9/ECF200 1.59 1.23 2.01
$\begin{array}{lllllllllll}36 & R 15663 & \text { GYGGA/6Y6G } 2.67 & 2.48 & 2.23\end{array}$ 36 R 15671 6Y6GT/EFL200
36 R 15689.6 Y9/EFL200 $1.92 \quad 1.781 .60$ 36 R 15697 624 USE 84/6Z4
$\begin{array}{llllllll}36 & 15697 & 6210 / 6 J 10 & 3.59 & 3.33 & 3.00\end{array}$
36 R 157477 7A
$\begin{array}{llll}3.86 & 3.58 & 3.22\end{array}$ 36 R 15754 7AU7
36 15770 7 C 5
36 \& 15788 7C7

$\begin{array}{ll}36 \\ 36 & 15812 \\ \text { \& } 20671\end{array} 7 \mathrm{CS}$
$\begin{array}{llll}36 & \text { R } 20671 & \text { 7GS7 } \\ 36 & \text { R } 15820 & 7 \mathrm{GV} 7\end{array}$
36 R 15838 7HG8/PCFB
$\begin{array}{lll}36 \text { R } 21117 & 7 K Y 6 \\ 36 & \text { R } 50231 & 7 \mathrm{MP18}\end{array}$
$\begin{array}{lll}36 & \text { R } 50231 & 7 \mathrm{MPP} \\ 36 & \text { R } 15846 & 7 \mathrm{~N} 7\end{array}$

1.671 .551 .40 $4.514 .18 \quad 3.76$ $2.54 \quad 2.35 \quad 2.12$ $1.84 \quad 1.70 \quad 1.53$ $2.38 \quad 2.20 \quad 1.98$ $4.05 \quad 3.75 \quad 3.38$ $4.464 .13 \quad 3.72$ 2.542 .352 .12 $2.111 .95 \quad 1.76$

## 36 R 20234 8AC 10

36 R 20465 8AL9
36 R 15879 gAR11
36 R 15887 8AUB
$\begin{array}{lll}36 & \text { R } 15895 & \text { 8AW8A } \\ 36 & \text { R } 50249 & 8 B 8\end{array}$
$\begin{array}{lll}36 R & 50249 & 8 B 8 \\ 36 R & 15903 & 8810\end{array}$
36 R 15911 8BA8A
36 R 1592988 8A11
36 R 15937 8BH8
36 R 15945 88M11
$\begin{array}{lll}36 \\ \text { R } 15952 & \text { 8BNB } \\ 36 & 20242 & \text { 8BN } 11\end{array}$ 1.49138124 $\begin{array}{llll}1.49 & .38 & 1.24 \\ 2.92 & 2.70 & 2.43\end{array}$ $\begin{array}{lll}2.92 & 2.70 & 2.43 \\ 2.85 & 2.65 & 2.39 \\ 3.83 & 3.55 & 3.20\end{array}$
$3 . e 3 \quad 3.55 \quad 3.20$ $2.72 \quad 2.53 \quad 2.28$ $4.40 \quad 4.08 \quad 3.67$ $\begin{array}{lll}2.89 & 2.68 & 2.41\end{array}$ $\begin{array}{lll}2.89 & 2.68 & 2.41 \\ 2.08 & 1.93 & 1.74\end{array}$ 3.162 .932 .64 2.942 .732 .46 2.622 .432 .19 $1.86 \quad 1.731 .56$ $\begin{array}{llll}3.27 & 3.03 & 2.73\end{array}$ $\begin{array}{lll}1.81 & 1.68 & 1.51 \\ 3.02 & 2.80 & 2.52\end{array}$
$\begin{array}{lll}2.80 & 1.85 & 1.67 \\ 2.35 & 2.18 & 1.96\end{array}$

| Stoch No. |  |  |  | 258 |
| :---: | :---: | :---: | :---: | :---: |
| 36 R 15960 | 8BQ5 | 2.38 | 20 |  |
| 36 R 15978 | 8BQ11 | 2.57 |  | 2.14 |
| 36 R 15986 | $88 \cup 11$ | 2.97 | 2.75 | 2.48 |
| 36 R 20473 | 8CB11 | 3.02 | 2.80 | 2.52 |
|  | 8CG7 USE 8 | FQ7/8 | CG7 |  |
| 36 R 15994 | 8CM7 | 1.46 | 1.35 | 1.22 |
| 36 R 16000 | 8CN7 | 1.65 | 1.53 | 1.38 |
| 36 R-16018. | 8 CS 7 | 2.16 | 2.00 | 1.80 |
| 36 R 16026 | 8CW5/XL86 | 1.38 | 1.25 | 1.13 |
| 36 R 16034 | $8 \mathrm{8CX}$ | 2.38 | 2.20 | 1.98 |

36 R 16042 BEM5 SE AGB/8EB8
36 R 16059 8ET7
2212.051 .85

 $\begin{array}{llllll}36 \text { R } 16083 & 8 G N B / 8 E B 8 & 2.24 & 2.08 & 1.87\end{array}$ $\begin{array}{lllllllllllll}36 & \text { R } 16091 & \text { BGU7 } & 1.73 & 1.60 & 1.44\end{array}$ $\begin{array}{lllllllllll}36 & 16109 & 8 J U B A & 2.00 & 1.85 & 1.67\end{array}$ 36 R 161178 JV 8 36 R 161258 KAB 36 R 20689 8KR8 36 R 16133 8LC8 36 R 16141 8LTS
36 R 16158 9A8/BAB/PCF

|  |  | 1.43 |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 36 R 21125 |  | 2.72 | 2.53 | 2.28 |
| 36 R $2147 \%$ | 9AK 10 | 3.00 | 2.78 | 2.50 |
| 36 R 20697 | 9AQ8/PCC85 | 3.86 | 3.58 | 3.22 |
| 36 R 16166 | $9 \mathrm{9U7}$ | 1.59 | 1.48 | 1.33 |
| 36 R 16174 | 98J11 | 3.16 | 2.93 | 2.64 |
| 36 R 16182 | $9 \mathrm{PR7}$ | 1.70 | 1.58 | 1.42 |
| 36 R 16190 | 9 CLE | 1.59 | 1.48 | 1.33 |
| 36 R 20259 | 9GH8A | 2.21 | 2.05 | 1.85 |
| 36 R 16216 | 9GV8/ | 1.84 | 1.70 | 1.53 |
| 36 R 21133 | 9JW8 | 2.11 | 1.95 | 1.76 |
| 36 R 16224 | 9KC6 | 2.35 | 2.18 | 1.96 |
| 36 R 16232 | 9kx | 2.24 | 2.08 | 1.87 |
| 36 R 16240 | 9K28 | 1.59 | 1.48 | 1.33 |
| 36 R 20267 | 9LA6 | 2.27 | 2.10 | 1.89 |
| 36 R 50264 | $9 \mathrm{MHH3}$ | 2.24 | 2.08 | 1.87 |
| 36 R 21141 | 9MN8 | 2.40 | 2.23 | 2.01 |
| 36 R 50272 | $9 \mathrm{MP12}$ | 2.32 | 2.15 | 1.94 |
| 36 R 50280 | 9RA | 4.13 |  | 3.45 |

36 R 20713 9RA11 USE 10DE7
36 R 16257 9U8A $\quad 2.65$ 2.45 2.21 36 R 16265 10AL11 $\quad 2.462 .28 \quad 2.05$ $\begin{array}{llllllllllll}36 & \text { R } 16271 & \text { 10BQ5 } & 1.49 & 1.38 & 1.24\end{array}$ $\begin{array}{llllll}36 & \text { R } 16281 & 10 \mathrm{CB} & 3.27 & 3.03 & 2.73\end{array}$ $\begin{array}{llllll}36 & \text { R } 16295 & \text { loCW5/LL86 } & 1.38 & 1.28 & 1.15 \\ 36 & 16307 & 100 E 7 & 2.92 & 270 & 243\end{array}$ $\begin{array}{llllll}36 \text { R } 16307 & \text { loDE7 } & 2.92 & 2.70 & 2.43 \\ 36 \text { R } 16315 & \text { 10DR7 } & 2.40 & 2.23 & 2.01\end{array}$
36 R 1632 100R
36 R 16331 10068 36 R 16349 loEM 7 36 R 16355. LOEW7 36 R 16364 10GF7A 36 R 16372 10GK6 36 R 16385 10GN8
36 R 21489 loGV8
$\begin{array}{ll}36 \text { R } 16398 & \text { 10HF8 } \\ 36 . R 21497 & \text { 10JAS }\end{array}$

1.491 .38124
$\begin{array}{llll}2.38 & 2.20 & 1.98\end{array}$
$2.652 .45 \quad 2.21$
$\begin{array}{lll}2.86 & 2.65 & 2.39 \\ 2.94 & 2.73 & 2.46\end{array}$
$\begin{array}{lll}2.94 & 2.73 & 2.46 \\ 2.43 & 2.25 & 2.03\end{array}$
$2.972 .75 \quad 2.48$
$2.32 \quad 2.151 .94$
3.192 .952 .66
$\begin{array}{llllll}36 R 16406 & 10 J T 8 & 2.54 & 2.35 & 2.12 \\ 36 R 16414 & 10 J Y 8 & 2.35 & 2.18 & 1.19\end{array}$
36 R 15422 10KR8
36 R 16430 lokU8
36 R 1644810 LBA
36 R 16455 10LE8
36 R 16463 10LW8
36 R 20481 10LY8
$\begin{array}{lllllll}36 & \text { R } 16471 & 10128 / 10 J A 8 & 2.11 & 1.95 & 1.76 \\ 36 & 2.45 & 2.21\end{array}$
36 R 2115810710
36 R 2116610210
36 R 20275 11AF9
36 R 16489 11AR11
36 R 16457 11BQ11
36 R 1650511 BT11
$\begin{array}{llllll}36 & \text { R } 16457 & 11 \mathrm{BQ} 11 & 3.16 & 2.93 & 2.64 \\ 36 & \mathrm{R} 16505 & 11 \mathrm{BT} 11 & 3.86 & 3.58 & 3.22 \\ 36 \text { R } 16513 & \text { 11CAII } & 4.05 & 3.75 & 3.38\end{array}$
36 R 21174 11CFII 4.053 .753 .38
36 R 16521 11CY7
36 R 2118211055
$\begin{array}{lll}36 & \text { R } 16539 & \text { 11FY7 } \\ 36 \text { R } 165 凶 7 & 11 H M 7\end{array}$
36 R 165 a 7 11HM7
36 R 16554 11JE8
$\begin{array}{lll}36 & \text { R } 16562 & 11 K V 8 \\ 36 & \text { R } 16570 & 11 L Q 8\end{array}$
$\begin{array}{lll}36 & \text { R } 16570 & 11 L Q 8 \\ 36 \\ \text { R } 16518 & 11 L T B\end{array}$
36 R 21505 11MS8
36 R 21190 I1R3
$\begin{array}{ll}36 \text { R } 16555 \text { LIY9/ } \\ 36 \text { R } 16504 & \text { LFL200 }\end{array}$
$\begin{array}{llll}36 & R & 16604 & 12 A B 5 \\ 36 & R & 16612 & 12 A C 6\end{array}$
$\begin{array}{lll}2.54 & 2.18 & 1.96 \\ 2.54 & 2.35 & 2.12\end{array}$
$\begin{array}{lll}2.52 & 2.43 & 2.19 \\ 2.54 & 2.35 & 2.17\end{array}$
$\begin{array}{lll}2.54 & 2.35 & 2.12 \\ 3.19 & 2.95 & 2.65\end{array}$
$\begin{array}{lll}3.19 & 2.95 & 2.66 \\ 3.29 & 3.05 & 2.75 \\ 2.11 & 1.95 & 1.76\end{array}$
$\begin{array}{lll}2.65 & 2.45 & 2.21 \\ 3.16 & 2.93 & 2.64 \\ 3.32 & 3.08 & 2.77\end{array}$
$\begin{array}{lll}3.32 & 3.08 & 2.77 \\ 1.57 & 1.55 & 1.40\end{array}$
1.891 .551 .40
3.162 .932 .64
$\begin{array}{lll}4.05 & 3.75 & 3.38 \\ 4.61 & 4.28 & 3.85\end{array}$
2.592 .402 .16
$2.48 \quad 2.30 \quad 2.07$
$\begin{array}{lll}2.40 & 2.23 & 2.01 \\ 3.16 & 2.93 & 2.64\end{array}$
$2.08 \quad 1.93 \quad 1.74$
$\begin{array}{lll}3.51 & 3.25 & 2.93 \\ 3.51 & 3.25 & 2.93\end{array}$
$\begin{array}{lll}2.30 & 2.13 & 1.93 \\ 2.32 & 2.5 & 1.94\end{array}$
$\begin{array}{llll}2.32 & 2.15 & 1.94 \\ 2.65 & 2.45 & 2.21\end{array}$
$\begin{array}{lll}2.65 & 2.45 & 2.21 \\ 2.00 & 1.85 & 1.67\end{array}$
2.462 .282 .05

36 R 20721 12AC1OA $\quad 1.131 .05 \quad .95$
36 R 16620 12AD6

RCA-GE-RAYTHEON RECEIVING TUBES (Cont.)


|  |
| :--- | :--- | :--- | :--- |

GE-RAYTHEON RECEIVING TUBES (Cont.)

|  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |


| Stock No. | Tuae Type | 1.5 | 6.24 | $\begin{gathered} 25{ }^{2} \\ \text { up } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 R 19327 | 50 C 5 | 1.89 | 1.75 | 1.58 |
| 36 R 19335 | 50 OC 4 | 1.30 | 1.20 | 1.08 |
| 36 R 19343 | 50EH5 | 2.11 | 1.95 | 1.76 |
| 36 R 19350 | 50FH5 | 2.40 | 2.23 | 2.01 |
| 36 R 19368 | 50FK5 |  | 1.10 | 99 |
| 38 R 21349 | 50GY7A | 5.35 | 4.95 | 4.46 |
| 36 R 19376 | 50HC6 | 2.24 | 2.08 | 1.87 |
| 36 R 19384 | 50HK6 | 1.16 | 1.08 | . 97 |
| 36 <br> 36 <br> 6 | 50HN5 | 1.49 | 1.38 | 1.24 |
| 36 R 19400 | ${ }_{5026 \mathrm{GT}}$ | 3.78 | 3.50 | 3.15 |
| 36 R 19426 | 50 YGGT | 2.35 | 2.83 | 2.55 |
| 36 R 19442 | 53 Hk 7 | 4.51 | 4.18 | 3.76 |
| 36 R 19459 | 60FX5 | 1.59 | 1.48 | 1.33 |
| 36 R 19467 | 75 | 3.20 | 2.88 | 2.56 |
| 36 R 19475 | 80 | 2.59 | 2.40 | 2.16 |
| 36 R 19491 | 1174 | 7.96 | 7.39 | 6.65 |
| 36 R 19509 | 117N7GT | 6.94 | 6.43 | 5.79 |
| 36 R 19525 | 11723 | 2.43 | 2.25 | 2.03 |
| 36 R 19541 | 5379 | 2.89 | 2.68 | 2.41 |
| 36 R 19558 | 6267 | 1.51 | 1.40 | 1.26 |
| 36 R 19566 | 6931 | 1.84 | 1.70 | 1.53 |
| 36 R 19574 | 6973 | 2.72 | 2.53 | 8 |
|  | 25 |  |  |  |
| 36 R 19590 | 7027A | 4.02 | 3.73 | . |
| 36 R 19608 | 71894 | 2.38 | 2.2 |  |
| 36 R 19624 | 7247 | 2.54 | 2.35 | 2.55 |
| 36 R 19632 | 7355 | 2.38 | 2.20 | 1.98 |
| 36 R 19640 | 7408 | 1.81 | 1.68 | 1.51 |
| 36 R 19657 | 7543 | 1.76 | 1.63 |  |
| 36 R 19865 | 7581A/KT66 | 3.32 | 3.08 | 2.77 |
| 36 R 19673 | 7591A | 1.51 | 1.40 | 126 |
| 36 R 19681 | 7695 | 2.38 | 2.20 | 98 |
| 36 R 19699 | 7868 | 3.05 | 2.83 | 2.55 |
| 36 R 19715 | 8417 | 3.05 |  |  |
| 36 R 19723 | $8425 A$ |  |  |  |
|  | 8426A | 1.78 |  |  |
| 36 R 19731 | 12AU6 | 2.03 | 1.88 | 1.69 |

## MULLARD HIGH FIDELITY TUBES

Matched Pairs (Types Ending in MP)
Consists of 2 of the type, measured and tested to be within close tolerance of each other to assure maximum balanced output. Wi. 1 10.

Premium quallty tubes widely used by $\mathrm{Hi} \cdot \mathrm{FI}$ equipment manufac. turers, Tube types are directil interchangeable with equivalent types listed. Imported from England. Shpg. wi., $1 / 2 \mathrm{lb}$.


| Stock No. | Tube Type | Equlv. Typt | Net |
| :--- | :--- | :--- | :--- |
| 36 R 54654 | PCL85 | $18 G V 8$ | 2.33 |
| $36 R 54662$ | PL36 | 2565 | 3.33 |
| 36 R 54670 | PY81 | 1723 | 2.20 |
| 36 R 54688 | FY88 | $30 A E 3$ | 1.63 |
| 36 R 54316 | UCL82 | $50 B M 8$ | 2.18 |
| 36 R 54332 | UL84 | 4585 | 1.40 |
| $36 R 54696$ | $7 Y 88$ | $16 A 23$ | 1.35 |
| 36 R 54357 | $7025 A$ | - | 1.55 |
| $36 R 54365$ | $7189 A$ |  | 1.93 |
| 36 R 54373 | 7247 | $120 W 7$ | 1.53 |

## MATCHED-PAIRS

| Stock No. | Tabe Type | Equiv. Type | Net |
| :---: | :---: | :---: | :---: |
| 36854301 | ECL82MP | 68M8MP | 5.85 |
| 36 ¢ 54399 | ECL86MP | 6GW8MP | 6.00 |
| 36 R 54407 | EL34MP | 6СA7MP | 9.50 |
| 36 R 54423 | EL84MP | 6B05MP | 6.25 |
| 36 R 54431 | L 186 MP | 5CW5MP | 5.20 |
| 36 ค 54449 | EL90MP | 6A05MP | 4.75 |
| 36 R 54456 | EL95MP | 6DL5MP | 6.00 |
| 36 R 54464 | KT66MP |  | 19.75 |
| 36 R 54472 | KT77MP |  | 17.50 |
| 36 R 54480 | KT88MP |  | 31.25 |
| 36 R 54498 | UCL82MP | 50BM8MP | 5.75 |
| 36 R 54506 | UL 84MP | 4585 MP | 5.25 |
| 36 R 54514 | 7189 MP |  | 3.93 |

## IEC MULLARD MASTER 10 M SERIES

This selected series of individually lab-tested tubes teatures tube-to-tube uniformity sectionto-section uniformity to the most stringent specifications. Hum, nolse, microphonics and distortion kept to absolute minimum fre to the maximum. Individual plastic
foam cushion packing. Any tube falling to glve 10,000 hours of effective performance within 2 years from purchase may be returned for no charge replacement. Avg, shipg, wt., 5 or.

| Stact Ma. | 10M Type | Net |
| :---: | :---: | :---: |
| 36 R 54704 | ${ }^{6} \mathrm{CY} 5$ | 120 |
| 36 R 53276 | 6 EU7 |  |
| 36 R 54712 | 6EV5 | 2. |
| 36 R 53292 | 6Gk5 | 265 |
| 36 R 53334 | 6T8A | 3.10 |
| 36 R 54720 | 12 Br 7 A | s. |
| 36 R 54522 | 5654/6АК5 |  |
| 36 R 53.458 | 7025 |  |
| 36 $\% 53425$ | 7247/120W7 | 2.85 |
| 36 R 53474 | EABC80/6AK8 |  |
| 36 R 53482 | EB91/6AL5 |  |


| Stocin No. | 10m Type | Het |
| :---: | :---: | :---: |
| 36 R 53714 | EF95/6AK5 | 3.60 |
| 3 R 53722 | EF183/6EH7 | 2.90 |
| 36 R 53730 | EF184/6E)7 | 2.90 |
| 36 R 53748 | EK90/6BE6 | 2.30 |
| 36 R 53755 | EL84/6B05 | 2.40 |
| 36 R 53763 | EL90/6A05 | 2.40 |
| 36 R 5377t | EL95/60L5 | 2.80 |
| 36 R 53789 | H8C91/12AV6 | 2.15 |
| 36 R 53797 | PCF80/948 | 3.60 |
| 36 R 53813 | PL84/15CW5 | 2.75 |

# Batteries－Burgess，Eveready，RCA，Mallory 

POPULAR 1．5 V．GENERAL PURPOSE AND 9 V ．TRANSISTOR BATTERIES
The most popular 1.5 voll $\mathrm{D}, \mathrm{C}$ ，and $A A$ flashlight．general purpose mercury types characterized by excelient voltage stability through butteries and 9 －volt transistor radio batteries．Avaifable in：standard out long operating life plus extremely long sheff life；rechavgeable zinc－carbon；alkaline types featuring up to 10 times longer life；nichel－cadmium types which may be recharged hundreds of times

|  | Steck Ms． | Type | Chemica！ Composition | Eveready | 8urgess | $\begin{aligned} & \text { Icture } \\ & \text { RCA } \end{aligned}$ | ype Mallery | Veits | W． <br> 02. |  | Wet |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 32 R 47491 | D | Carbonalin | 950 | 2 | V5036 | M13F | 1.5 | 8.0 | Phe of 2 | ． 39 |
|  | 32 R 48es6 | 0 | Altaline | E95 | AL2 | V 51336 | MNI 300 | 1.5 | 7.0 | Each | ． 65 |
|  | 12 R 47590 | 0 | Mercury | － |  | － | RM42R | 1.35 | 8.0 | Each | 3.25 |
|  | 32 ¢ 48895 | 0 | Nicad | CH4 | CO10 | － |  | 1.25 | 7.0 | Each | 6.64 |
|  | 32 R 47509 | C | Carbon－Linc | 935 | 1 | V50354 | M14F | 1.5 | 5.0 | Plig．of 2 | ． 31 |
|  | 32 日 48879 | c | Alkaline | E93 | AL1 | vS1335 | MN1400 | 1.5 | 4.0 | Each | ． 51 |
|  | 32 ¢ 48897 | C | Nicas |  | cota | － | － | 1.25 | 5.0 | Each | 120 |
|  | 32 R 47757 | A | Carbon－Zinc | 915 | 910 | VS034A | M15F | 1.5 | 3.0 | Ple of 2 | M |
|  | 32 管 47525 | AA | Altaline | E91． | A19 | VS1334 | MN1500 | 1.5 | 4.0 | Plic．of 2 | ． 92 |
|  | 32． 46857 | AA | Mercury | E9 | $\mathrm{Hg}_{\mathrm{g}}$ | VS9 | ZM9 | 1.4 | 4.0 | Pleg．of 2 | 1.31 |
|  | 32.47400 | AA | Niced | C450 | CO6 |  | － | 1.25 | 3.0 | Each | 1.65 |
|  | 32.40377 | Rasio 9V | Carbon－Zinc | 216 | 246 | VS323 | M1604 | 9.0 | 3.0 | Esch | ． 54 |
|  | $32 \uparrow 47533$ | Radio 9V | Alkaline |  | － | VS1323 | MNI604 | 9.0 | 4.0 | Each | 98 |
|  | 32 4.47673 | Radio 8．4V | Mercury | E146X | H146K | VS146X | TR146X | 8.4 | 1.9 | Each | 1.28 |


mallory duracell MERCURY BATTERIES
Types with－have snap connections．Shipping weight veries from 2 oz．to 10 or．max．


| 124．47505 | RM1 | 1.4 | pikg．of 4 | 2.60 |
| :---: | :---: | :---: | :---: | :---: |
| 32847574 | RMIR | 1.35 | pke．of 4 | 3.26 |
| 32 ¢ 47582 | RM4R | 1.35 | pke．of 4 | 6.48 |
| 32 R 46550 | RM12 | 1.4 | Pke．of 2 | 2.28 |
| 32 C 47530 | （D）RM42 | 1.4 | Each | 3.25 |
| 32 R 47606 | RM312 | 1.4 | pke．of 6 | 1.44 |
| 12 R 47516 | RMS00̂ | 1.4 | phe of 6 | 1.00 |
| 32047524 | RM401 | 1.4 | Each | ． 67 |
| 32\％4561＊ | RM502R | 1.35 | ple．of 2 | 2.20 |
| 32647632 | RM520 | 1.4 | pheg．of 6 | 1.02 |
| 32． 47640 | RM625R | 1.35 | phg．of 4 | 2.92 |
| 32.47657 | RM630 | 1.4 | pikg，of 4 | 2.52 |
| 32.46675 | RM640 | 1.4 | p＊g．of 2 | 1.76 |
| 32.40683 | RM675 | 1.4 | pleg．of 6 | 3.00 |
| 32846709 | TR115R | 6.75 | pkg of 2 | 4.88 |
| 12 R 47665 | TR126 | 8.4 | Each | 1.67 |
| 32.46725 | TR132R | 2.7 | phat of 2 | 2.94 |
| 12R45733 | TR133R | 4.05 | phg．of 2 | 3.74 |
| 32 R 45741 | TR134R | 5.4 | Dkg．of 2 | 4.54 |
| 32 R 46758 | TR135R | 6.75 | pheg．of 2 | 5.36 |
| 32 R 46766 | TR 136 | 8.4 | parg．of 2 | 4.54 |
| 32 R 47673 | TR146x＊ | 8.4 | Each | 1.28 |
| 32 R 467 E 2 | TR163 | 4.2 | phe．of 2 | 2.68 |
| 32 R 47601 | TR164 | 5.6 | Each | 1.67 |
| 32 ¢ 48808 | TR165 | 7.0 | pke．of 2 | 4.34 |
| $12{ }^{\text {R }} 46816$ | TR169 | 12.6 | Each | 3.61 |
| 32847699 | TR175 | 7.0 | Each | 1.50 |
| 32． 47707 | TR177＊ | 9.8 | Each | 1.67 |
| 32 ¢ 47715 | TR233 | 4.2 | Each | 3.00 |
| 32 （16857 | （4）7M9 | 1.4 | plag．of 2 | 1.31 |
| $32 \mathrm{R} 4 \mathrm{Ges5}$ | 2M12 | 1.4 | pkg of 2 | 2.54 |
| 32 官 47723 | PXI | 1.35 | pkg．of 4 | 3.25 |
| 32.47731 | Px13 | 1.35 | plag．of 4 | 288 |
| 32 R 46964 | Px23 | 5.6 | pke．of 4 | 2.68 |
| 32 R 46923 | PX29 | 4.05 | pkes．of 2 | 2.54 |
| SIL | ER OX | B | TTERIES |  |
| 32R46956 | NS13 | 1.5 | ptag．of 6 | 2.19 |
| 32.46931 | MS41 | 1.5 | pikg．of 6 | 2.19 |
| 32946943 | MS 76 | 1.5 | pkg．of 6 | 3.00 |
| 32 R 47749 | PX28 | 6.0 | pkg．of 2 | 3.34 |
| RECORDER BATTERIES |  |  |  |  |
| Stech Wo．Jurgess |  | Volts | Shpe WL | Net |
| 32 R 330035 | $2 \times 7$ | 101／2 | is lb． | 4.90 |
| 12－35050 | 2 V 8 | 12 | $1 / 2 \mathrm{lb}$ ． | 2.09 |

INDUSTRIAL BATTERY TYPES

| Lafayette Steck Wo． | $\begin{aligned} & \text { Eve- } \\ & \text { ready } \end{aligned}$ | Replaces Mfr＇s．Type |  |  | wt． |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Burgess | a．ct． | Voltage | its． | Net |
| 32039015 | 711 | 27 H | VS101 | 11／2 | ＊／ | 1.06 |
| 32 R 47117 | W356 | 2F2M | VS136 | 3 | 122 | 2.70 |
| 2047100 | 750 | 422 | VS134 | 3 | 14 | 1.30 |
| 32 角 47178 | 703 | 532 | VS346 | 41／2 | \％ | 1.63 |
| 32 © 47202 | 781 | 5360 | VS028 | 44／2 | \％ | 1.79 |
| 32 R 4122 | 773 | 5540 | V5029 | 71／2 | $1 / 2$ | 2.50 |
| 32 R 41236 | 763 | 4156 | VS102 | 221／2 |  | 1.88 |
| 32 R 4724 | 778 | 5156SC | VS131 | 2242 | 13／4 | 5.45 |
| 32 R 47251 | W350 | Z30NX | VS114 | 2212．45 | 13／4 | 3.42 |
| 12 R 47293 | 7625 | 5308 | vs112 | 45 | 37／4 | 3.77 |

Constructed To Lafayette's Rigid Specifications

Standard


## STANDARD BATTERIES



MANGANESE ALKALINE BATTERIES
Up to 10 times longer Iffe, Do not require rest period, operate with same efficiency in continuous or intermittent service.

| Stock No. | Eveready | Maltory | Replaces Manufacturer's Type |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | R.C.A. | $\begin{aligned} & \text { Bur. } \\ & \text { gess } \end{aligned}$ | voltage | wt. 02. | Per Plaget |
| 32R46972 | EPX825 | PX-825 |  | APX825 | 1.5 | 2 | . 99 |
| $32 \mathrm{R} 48848(\mathrm{O})$ | E95 | MN 1300 | VS1336 | AL2 | 1.5 | 7 | 65 |
| $32 \mathrm{R} 47525(\mathrm{AA})$ | E91 | MN1500 | VS1334 | AL9 | 1.5 | 4 | 92 |
| 32 R 48879(C) | E93 | MN1400 | VS1335 | AL1 | 1.5 |  | 52 |
| 32 R 47541 | E90 | MN9100 | vS1073 | ALN | 1.5 | 3 | 79 |
| 32 R 48937 (AAA) | E92 | MN2400 | VS1074 | AL7 | 1.5 | 3 | 6 |
| 32 R 46451 | 523 | MNL306 | VS1149 | AL133 | 4.5 | , | 1.27 |
| 32 R 47426 | 563 |  | VS1563 |  | 4.5 | 2 | 3.00 |
| 32 R 47434 | 564 |  | VS1564 |  | 13.5 | 7 |  |
| 32 R 47533 |  | MN1604 | VS1323 | - | 9.0 | 4 | . 9 |

## TRANSISTOR AND HEARING AID BATTERIES

| Lafayette <br> Stock No. | ${ }^{\circ}$ Eve. ready" | $\text { Bur. } \cdot$ gess | $\begin{gathered} \text { Replaces Mi } \\ \text { R.C.A. } \end{gathered}$ | Mfr's Type Mallory | Voleage | Wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 \& 48192 (0) | 1050 | 230 | VS336 | M13R | 1.5 | 1/2 | . 23 |
| 32 R 47012 (C) | 1035 | 136 | V 5335 | M14R | 1.5 | $1 / 4$ | . 23 |
| 32 R 47020 (A) | 1015 | 930 | V5334 | M15R | 1.5 | $1 / 4$ | . 19 |
| 32 R 47038 | 243 |  | VS324 |  | 41/2 | 3/8 | 2.05 |
| 32 R 48077 | 216 | 2 C | VS323 | M1604 | 9.0 | $\%^{6}$ | . 54 |
| 32 R 47045 | 246 | 2NE | VS305 | M1602 | 9.0 | $3 / 8$ | 1.50 |
| 32 R 48986 | 266 | M6 | V 322 | M1605 | 9.0 | $\%$ | 1.36 |
| 32 R 47053 | 276 | D6 | V 5306 | M1603 | 9.0 | 1. | 1.67 |
| 32 R 47061 | 2506 | D6F1 | 1 VS301 | - | 9.0 | 174 | 2.71 |
| \$2R47079 | 239 | XX9 | VS304 |  | 131/2 | $1 / 4$ | 2.40 |
| 32 R 47095 | 2356N | C6\% | VS330 | - | 9.0 |  | 2.40 |
| 32 R 47129 | 226 | P6 | VS300A | M1600 | 9 | $1 / 4$ | . 79 |

FLASHLIGHT \& LANTERN BATTERIES

| 32 A 48655 (AAA) | 912 | 7 | vS074 | $11 / 2$ | 3/6 |  | . 16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 R 47757 (AA) | 915 | 910 | VS034A | $11 / 2$ | $1 / 4$ | 2 for | . 34 |
| 32 R 47509 (C) | 935 | 1 | VS035A | $11 / 2$ | 3/8 | 2 for | . 39 |
| 32 \& 47491 (D) | 950 | 2 | VS036 | 11/2 | 1/2 | 2 for | . 39 |
| 32 R 40671 | 735 | 410 | V $\$ 106$ | $11 / 2$ | 13/4 |  | 1.06 |
| 32 ค 48689 | \% 6 lg n . | 6 lgn . | VS006S | 11/2 | 23/8 |  | 1.13 |
| 32 R 48697 | 509 | FEM | VS040C | 6 | 156 |  | 1.13 |
| 32 R 48184 | 510 S | Fabp | vS040S | 6 | 13/4 |  | 1.13 |
| 32 R 48705 | 731 | Tw1 | VS317 | 6 | 31/4 |  | 2.30 |
| 32 ¢ 48713 | 706 | 414 H | V $\$ 103$ | 6 | 63/4 |  | 4.34 |
| 32 \& 47772 | 732 | rv2 | VS342 | 12 | $31 / 2$ |  | 2.30 |
| 32 R 48754 | 904 | N | V5073 | 11/2 | 1/4 |  | . 10 |
| 32 R 48788 | 715 | 415 H | VS139 | $71 / 2$ | $83 / 4$ |  | 5.30 |
| 32 R 47764 | - | 246 HD |  | 69 | $31 / 4$ | 2 for | 7.66 |



- Fresh Stocks
- Extra Dependability

Available in

- Standard Carbon-Zinc
- Extra Long Life
- Alkaline
- Nickel Cadmium


## EXTRA LONG LIFE BATTERIES

Lafayette's extra long life batteries reduce the frequency of necessary replacement. They use a special chemical formulation which provides mare than $50 \%$ fonger useful life without either diminishing their shelf life or Increasing battery wefght.

| Stock No. | Replaces Manufacturer's Type |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Volts Net. | Lots of 10 | RCA | Bur- Eve. gess ready | shpg. WL |
| $\begin{aligned} & 99 \text { R } 63661 \\ & 99 R 63687 \\ & 99 R R .53703 \end{aligned}$ | 11/2(D) . 25 | 2.00 | V 5036 | 2950 | 502. ea. |
|  | $11 / 2$ (C) . 22 | 1.80 | vS035 | 1935 | 4 Nz. ea. |
|  | 11/2(AA) . 15 | 1.20 | V5034 | 2915 | 3 0z.ea. |
| ETRA LONG LIFE 9.VOLT TRANSISTOR BATTEAY |  |  |  |  |  |
| 99 R 63723 | 9.45 | 3.60 | VS323 | 216 | 4 02. ea. |
|  | AA NICKEL CADMIUM BATTERY |  |  |  |  |
| This Lafayefte penfite nichel cadmium cell is manufactured to Lafayette's rigid specifications by one of America's best known manufac. turers. Provides up to 500 charge-discharge cycles and the economies resulting from such recharging. |  |  |  |  |  |
| 32 R 47400 | 11/4 (AA) | 1.65 | CD6 | C450 | 3 oz , ea. |

## MALLORY EMERGENCY RESERVE DURACELL ALKALINE BATTERY

## - 10 Year Emergency D Cell

These unique $D$ size batteries hold their full power in reserve until actlvated, even 10 years from now. Ideal emergency power for auto, home, boat, schools, Industry, etc. Easily actlvated by removal of clip which provides a brand new alkaliné D cell. Shpg. wt., 13 oz .
32 R 46980 Pkg. of 2

$$
\text { Net } 4.79
$$

## KEYSTONE BATTERY HOLDERS

Battery Holders are made of Aluminum Alloy.
sturdy construction with insulated, nickel plated Brass eyelets. Al! multiple holders mount batteries side by side except items marked *mount end to end. Av, shpg. wt., 3075.

| Stock No. | Holds | Burgess | Eveready | RCA | Mallory | Net <br> Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \hline 34 \text { R } 50012 \\ & 34 R 50020 \\ & 34 \text { R } 50033 \\ & \hline \end{aligned}$ | $\left.\begin{array}{l} 1 \\ 2 \\ 3 \end{array}\right\}$ | 7. AL7 | 912, E92 | $\begin{aligned} & \text { VS074 } \\ & \text { VS1074 } \end{aligned}$ | MN2400 | .25 <br> .42 <br> .61 |
| $\begin{aligned} & \hline 34 R 50053 \\ & 34 R 50061 \\ & 34 R 50087 \\ & 34 R \quad 50095 \\ & \hline \end{aligned}$ | 1 2 3 4 4 | 2, 9R, <br> Y15 <br> CD6 | $\begin{aligned} & E 9, E 12, \\ & E 133, E 502 \\ & \text { S05, } 915 \\ & 1015 E, C 450 \end{aligned}$ | VS034 V\$9 | $\begin{aligned} & \text { 'RM12R, } \\ & \text { TR133R, } \\ & \text { ZM.9 } \\ & \text { TR233R } \end{aligned}$ | $\begin{array}{r} .25 \\ .40 \\ .55 \\ \hline \end{array}$ |
| $\begin{aligned} & 34 R 50103 \\ & 34 \text { R } 50111 \\ & \hline \end{aligned}$ | 13 | $\begin{aligned} & 1 \\ & \mathrm{AL} 2 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 935. E93 } \\ & \text { CH1.5 } \\ & \hline \end{aligned}$ | $\checkmark 5035$ | MN1300 | $\begin{array}{r} .33 \\ .40 \end{array}$ |
| $\begin{aligned} & 34 R 50137 \\ & 34 R 50145 \\ & 34 \text { R } 50152^{*} \end{aligned}$ | $\left.\begin{array}{l} 1 \\ 2 \\ 2 \end{array}\right\}$ | $\begin{aligned} & \text { 2, D, } \\ & 24 \\ & \text { CD10 } \end{aligned}$ | $\begin{aligned} & 950, \text { E95, } \\ & \mathrm{CH4} \end{aligned}$ | $\begin{aligned} & \text { vS036 } \\ & \text { v } \$ 1336 \end{aligned}$ | RM42R | .33 .40 .51 |



## Battery Eliminators-Chargers

"STORAGE CELL" for TRANSISTOR RADIOS gV BATTERY PLUS CHARGER

ONE CHARGEABLE BATTERY<br>OUTLASTS DOZENS OF<br>CONVENTIONAL BATTERIES<br>- Replaces 2U6, 216, and BL 006p<br>- Fluid Storage Type<br>- Plays About 15 Hours on One Charging<br>- Battery Recharges Overnight<br>- Complete-Battery Plas Charger


 $11 / 4 \times 7 / 0^{-}$imported. Shpg wh. 502.
99 p 90169 Battery and Charger
99 R 60261 Battery Replacement for above
Net 2.89
…. Net 1.49

## LAFAYETTE MULTI-PURPOSE BATTERY CHARGER

- Recharge All Popular Batteries-9V Transistor ${ }_{9}$ AA Penlight, C And D Cells Up to 3 At One Time!
- Just Plug in And Use

Designed to charge regular carbon rinc, nichel cadmium and alkaline batteries. Charges up to 3 batteries in a relatively short time for less than a penny. Two compartowents automatically adjust to size of battery inserted, plus 2 snaps are provided for $9 \mathrm{~V}_{\mathrm{c}}$ transistor radio batteries. Red light indicates charger is operating. For 110 120 volis $50 / 60$ Hit AC. Imported. Shpg. Wt., 76 lb . 99 / 92050

Net 2.95


## POWERHOUSE HOME BATTERY CHARGER $4^{75}$

- Recharge Batteries Up to 15 Times
- Builtin

Battery Tester

- "D" - "C" - "AA" and 9V Transistor Sizes

Recharge from one to five batteries at one time. Safely is assured since charger is in operation only when tid is closed. Plugs into standard 110-120 volt. 60 Hz AC outlet. Imported.
34 R 24017 Shpg. wt., $14 / 4$ lbs. 5 oz.
Net 4.75

## BATTERY CHARGER WITH TWO RECHARGEABLE BATTERIES QUANTITIES LIMITED <br> 

- 20 Type Batteries included
- Recharges Batteries Overnight
- For Flashlights, Transistor Radios, Toys ...

Recharges any type 0 battery overnight. No tonger must toys. transistor radios and flashlights be without "live" batteriex. White plastic case with 2 rechargeable type D batteries. Replaces Vs036. VSO36, 2, 950 etc. Imported. Shpe, wt., $1 \%$ tbs.
99 R $3100:$ Charger and 2 Batteries
. Net 2.95
CHART CHARGE NICKEL-CADMIUA BATTERY CHARGER


- Charges 1 to 10 Cells in Series Up to 250 MA

Meets the demands of Nickel cadmium cells in industrial and hobby use. Continuously variabte from 10 to 250 MA to otharge 1 to 10 celts in series. Use of isolation transformer eliminates shook harard. full wave silicon diode rectification. Mo meter is required for accurate calibration. Piot light on-off indicator, UL listed. Cord. $64 / 4 \times 33 / 427.5 h p g$ wt. $21 / 4 \mathrm{tbs}$.

LAFAYETTE 9-VOLT TRANSISTOR RADIO BATTERY CHARGER AND ELIMINATOR


Just plug into any 117 wolt AC receptacle and recharge your oto gwolt battery for many hours of extra use; or operate your set indoors without using the battery at all; or you can both charge battery and operate set at the same time. Mes 4position switch for above functions plus off position and pilot fight. Size 4 Whl 'hstri 24t" imported. Shpr. w., \% $\mathrm{Hb}_{\text {. }}$
99 R 90219
Net 3.99

## UNIVERSAL 6 and 9 VOLT ADAPTER



- Four Popular Terminations

This switchable 6 and 9 volt buttery eliminator substitutes for batteries in nearly all radios, cassettes, phomos, recorders and other battery aperated equipment when used with 117 V $50-60 \mathrm{Mr}$ imput. Reverse polarity comnector ( $t$ or - ground) assures proper function of equipment. Selector switch for choice of 6 or 9 V DC. Ferminates in ministure plug. sub-miniature piug, and the two popular coaxial power jacks to fit nearly alt equipment. Compact: $21 / 4 x 1 / 4 \times 11 / 2^{" \prime}$. Imported. Shpg. Wt. 12 oz.
34 R 27002
Net 3.50

## UNIVERSAL $6,7.5$ AND 9 VOLT ADAPTER

This battery eliminator is same as above but has three-way switch to provide 7.5 velts in addition to 6 and 9 volts, Imperted. Shpe. Wi.s 1202.

34 R 27010
Net 5.25


## AUTOMATIC DRY CELL BATTERY CHARGER

- Charge Up To 14 Batteries At A Time - Uses AC Or DC Power Source - Will Not Overcharge - Built-in Battery Tester

Recharges all "D". "C". and 9-solt transistor carbon-zanc, altuline, mercory, and nickel cadmium batteries. Charging receptacles for's " 0 " celts, $4^{\text {" }} \mathrm{C}$ " cells. 6 " $A M$ " cells and one $9 V$ battery" permits recharging up to 14 balteries at one thme. Translosmer circuitry operates on a demand priaciple and automatically prevents overcharging. Has built-in tattery tester-indicator light. Shock-proof since low voltage charging occurs on!y when tid is closed. Attractive, decorator styled hi-impact pliable plastic case. For $110-120$ volt DC or AC 60 Mz . Sire: $74 / 2147612 \%^{\prime \prime}$. Shps. Wh., $11 / 2 \mathrm{lbs}$.
34 R 25006

## BATTERY HOLOERS


A. UItra compact bakelite battery case. Holds $-11 / 2$ volt ( 4 ) penlite cells. $2^{32}$. holes, $146^{\prime \prime}$ on centers for mounting. Sire: $2 \% \times 2 \%$ xi\%". Imported. Shpg wt. $11 / 2$ ot.
99 R 63232 .................................... 69
Same as above except holds $10-11 / 2$ volt (M) penlight cells. size: $24 / 23 \% 1 k^{*}$. Imported. Shpe. wt., 2 oz.
99 R 31353
Net .79
8. Battery holder for $4-11 / 2$ volt. (AA) penlight cells. Has snap-on battery clip ond

99 R 63315 Shpg. Wt., 2 oz. .... Net . 45

# Resistors and Resistor Assortments 

## FIXED COMPOSITION RESISTORS

Moulded carbon resistors in $1 / 8$ to 2 watt ratings, $5 \%$ \& $10 \%$ tolerance. Mace by leading American manufacturers such as Allen Pradley, Speer and IRC to high industry standards. Woulded bodies are insulated to have high breakdown resistance. All have E.I.A. color coded bands for positive identification of ohmage and tolerance. Ah are brand new factory fresh stock with full length ieads.


10\% RESISTORS - SELECT FROM CHART BELOW

| STOCK N0. | WATTS | RANGE SEE CHART BELOW | Net Each |  | MAY BE ASSORTED |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.5 | 10-49 | 50-99 | 100 up |
| 52 R 1 | 1/2 | 10 ohms to 22 meg | . 24 | . 20 |  |  |
| 52 R 2 | 1/4 | 2.7 ohms to 22 meg | . 13 | . 11 | . 07 | . 05 |
| 52 R 3 | 1/2 | 1 ohm to 22 meg | . 12 | .10 | . 08 | . 07 |
| 52 R 4 | 1 | 2.7 ohms to 22 meg | . 18 | . 15 | .09 | . 08 |
| 52 R 5 | 2 | 10 ohms to 22 meg | . 24 | . 20 | . 15 | . 11 |

CHART OF AVAILABLE $10 \%$ RESISTORS AND ORDERING CODE

| Ohms Code | Ohms | Code | Ohms | Code | Ohms | Code | Ohms | cede | Ohms | Cede | Megs | Code |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1.000 \%$ | 10 | 025 | 120 | 051 | 1500 | 077 | 18k | 103 | 220K | 129 | 2.2 | 153 |
| 1.2003 | 12 | 027 | 150 | 053 | 1800 | 079 | 22K | 105 | 270K | 131 | 2.7 | 155 |
| 1.5005 | 15 | 029 | 180 | 055 | 2200 | 081 | 27K | 107 | 330K | 133 | 3.3 | 157 |
| 1.8007 | 18 | 031 | 220 | 057 | 2700 | 083 | 33K | 109 | 390K | 135 | 3.9 | 159 |
| 2.2009 | 22 | 033 | 270 | 059 | 3300 | 085 | 39K | 111 | 470K | 137 | 4.7 | 161 |
| 2.7011 | 27 | 035 | 330 | 061 | 3900 | 087 | 47K | 113 | 560K | 139 | 5.6 | 163 |
| 3.3013 | 33 | 037 | 390 | 063 | 4700 | 089 | 56K | 115 | 680K | 141 | 6.8 | 165 |
| 3.9015 | 39 | 039 | 470 | 065 | 5600 | 091 | 68K | 117 | 820K | 143 | 8.2 | 167 |
| 4.7017 | 47 | 041 | 560 | 067 | 6800 | 093 | 82K | 119 | Megs | Code | 10 | 169 |
| 5.6019 | 56 | 043 | 580 | 069 | 8200 | 095 | 100K | 121 | 1.0 | 145 | 12 | 171 |
| 6.8021 | 68 | 045 | 820 | 071 | 10k | 097 | 120K | 123 | 1.2 | 147 | 15 | 173 |
| 8.2023 | 82 | 047 | 1500 | 073 | 12K | 099 | 150K | 125 | 1.5 | 149 | 18 | 175 |
|  | 100 | 049 | 1200 | 075 | 15K | 101 | 180K | 127 | 1.8 | 151 | 22 | 177 |
| $5 \%$ RESISTORS - SELECT FROM CHART BELOW |  |  |  |  |  |  |  |  |  |  |  |  |
|  | WHTTS |  | RANGE SEE |  |  | Net Each |  |  | MaY be assorted |  |  |  |
| Stock no. |  |  | CHART BELOW |  |  | 1.9 | 10 | 49 | 50.9 |  | 100 UD |  |
| 52 R 7 |  |  | 27 ohms to 22 meg |  |  | 26 |  | 2 | . 14 |  | - 10 |  |
| 52 R 8 |  | 12 | 27 ohm to 22 meg |  |  | . 24 |  |  | . 12 |  | . 09 |  |
| 52 R 8 | 1 |  |  |  |  | . 36 |  |  | . 18 |  | .13 |  |
| 53 R 1 | 2 |  | 27 Ohms to 22 meg |  |  | . 48 | 4 |  | . 24 |  | . 19 |  |

CHART OF AVAILABLE 5\% RESISTORS AND ORDERING CODE

| Onms Code |  | Ohms Code |  | Oems | Code | Ohms Code |  | Ohms Code |  | Ohms Code |  | Megs Code |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0 | 001 | 11 | 026 | 20 | 051 | 1300 | 076 | 15K | 101 | 180K | 12: | 2.0 | 152 |
| 1.1 | 002 | 12 | 027 | 30 | 052 | 1500 | 077 | 16 K | 102 | 200k | 128 | 2.2 | 153 |
| 1.2 | 003 | 13 | 020 | 50 | 053 | 1600 | 078 | 18K | 103 | 220K | 129 | 2.4 | 154 |
| 1.3 | 004 | 15 | 029 | 60 | 054 | 1800 | 079 | 20K | 104 | 240K | 130 | 2.7 | 155 |
| 1.5 | 005 | 16 | 030 | 180 | 055 | 2000 | 020 | 22K | 105 | 270K | 13. | 3.0 | 156 |
| 1.6 | 006 | 18 | 031 | -00 | 056 | 2200 | 031 | 24 K | 106 | 300K | 132 | 3.3 | 157 |
| 1.8 | 007 | 20 | 032 | -20 | 057 | 2400 | an2 | 27 K | 107 | 330K | 133 | 3.6 | 158 |
| 2.0 | 008 | 22 | 033 | 240 | 058 | 2700 | 083 | 30K | 108 | 360K | 134 | 3.9 | 159 |
| 2.2 | 009 | 24 | 034 | 370 | 059 | 3000 | 084 | 33K | 109 | 390K | 135 | 4.3 | 160 |
| 2.4 | 010 | 21 | 035 | 300 | 060 | 3300 | 085 | 36 K | 110 | 430 K | 135 | 4.7 | 161 |
| 2.7 | 011 | 30 | 036 | 330 | 061 | 3600 | 086 | 39K | 111 | 470K | 137 | 5.1 | 152 |
| 3.0 | 012 | 33 | 037 | 360 | 062 | 3900 | 087 | 43K | 112 | 510K | 131 | 5.6 | 163 |
| 3.3 | 013 | 36 | 038 | 390 | 063 | 4300 | 088 | 47K | 113 | 560K | 139 | 6.2 | 164 |
| 3.6 | 014 | 39 | 039 | 430 | 064 | 4700 | 089 | 51 K | 114 | 620K | 148 | 6.8 | 165 |
| 3.9 | 015 | 43 | 040 | 170 | 065 | 5100 | 090 | 56K | 115 | 680K | 141 | 7.5 | 156 |
| 4.3 | 016 | 47 | 041 | \$10 | 066 | 5600 | 091 | 62K | 116 | 750 K | 142 | 8.2 | 167 |
| 4.7 | 017 | 51 | 042 | 560 | 067 | 6200 | 092 | 68K | 117 | 820K | 141 | 9.1 | 168 |
|  |  |  | 043 | 520 | 068 | 6800 | 093 | 75K | 118 | G10K | 144 | 10 | 169 |
| 5.6 | 019 | 62 | 044 | 680 | 069 | 7500 | 094 | 82K | 119 | Meas | code | 11 | 170 |
| 6.2 | 020 | 68 | 045 | 750 | 070 | 8200 | 095 | 91k | 120 | 1.0 | 145 | 12 | 171 |
| 6.8 | 021 | 75 | 045 | 320 | 071 | 9100 | 095 | 100K | 121 | 1.1 | 146 | 13 | 172 |
| 7.5 | 022 | 82 | 047 | 910 | 072 | 10k | 097 | 110K | 122 | 1.2 | 147 | 15 | 173 |
| 8.2 | 023 | 91 | 048 | : 100 | 073 | 11 K | 098 | 120K | 123 | 1.3 | 148 | 26 | 174 |
| 9.1 | 024 | 100 | 049 | 1100 | 074 | 12K | 099 | 130K | 124 | 1.5 | 145 | 18 | 175 |
| 10 | 025 | 110 | 050 | : 200 | 075 | 13K | 100 | 150K | 125 | 1.6 | 158 | 20 | 176 |
|  |  |  |  |  |  |  |  | 160K | 126 | 1.8 | 151 | 22 | 177 |

MOST POPULAR KIT OF 100 CARBON RESISTORS $1 / 2$ WATT - 10\%

Designed especially for the serviceman. Here is a selection of 200 resistors of the most popular values used in general service work. All brand-new $1 / 2$ watt $10 \%$, fuil lead length resistors. Color coded. This is no pandom assortment. You get 3 each: $100,470,2200$ ohms; 4 each: $1 \mathrm{~K}, 4.7 \mathrm{~K}, 22 \mathrm{~K}, 27 \mathrm{~K}, 33 \mathrm{~K}, 47 \mathrm{~K}$. .15 mes, 27 meg, 2.2 meg; 5- $10 \mathrm{~K}_{;} 10$ each: .1 meg, .47 meg, 1 mer. plus 20 other poputar vatues. Shpg. wt. 402.
32 R 99047
Net 2.98

## $1 / 2$ \& 1 WATT CARBON RESISTOR ASSORTMENT



A value packed assortment of carton resisters. Kit of 100 resisters consists of $75 \mathbf{1 / 2}$ watt and 251 -watt resistors. Wide range of resistance value in varied tolerances. All have the standard RMA color code and normal length axial leads. Shpg. wh, $6 \mathbf{0 z}$. 32 R 60007

# Net 1.98 

1 WATT CARBOH
RESISTOR KIT


100 piece hut of $1 / 4$ watt carton resistors, Assortment ef 33 selected values. Bedy slze approx. $1 / 4^{\prime \prime}$ fong $x / z^{\prime \prime}$ dia. All $+10 \%$ ioler. ance. Shpg. wt., 3 oL.
32 R 60031


Net 1.96
OHMITE OHM'S LAW CALCULATOR


Solves Ohm's Law problems with just one selting ol the slide. Has parallet resistance computing scales. Covers range from 0.01 ohm to 100 merohms. Current scate in amperes and raillamperes. Handy pocket size 9x3", Shpg. N1., 202.
34 R 63023
Net .25
IRC RESIST. O-GUIDE

Pocket size guide, identlfies resistance values and color code. Simply dial the colors or resistance values; corresponding data comes up automatically. MIL, EIA, and standard values listed on reverse side:
33 R 45436 Shpg, wt., 2 oz . Net ea, . 20

# Power Resistors－Variable Transformers 

IRC PW－ 10 POWER RESISTORS
10 Watt wire wound resistors with axial leads．Rectangular ceramic body． $10 \%$ toler－ ance．Body size $17 / \mathrm{m}^{\prime \prime}$ Long $x \geqslant{ }^{\prime \prime}$ square．

| Stock No． | Ohwns | Stock No． | Ohems | Stock No． | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 46004 | 1 | 33 R 46202 | 300 | 33 R 46392 | 3300 |
| 33 R 46012 | 2 | 33 R 46210 | 350 | 33 R 46400 | 3500 |
| 33 R 46020 | 3 | 33 R 46228 | 400 | 33 R 46416 | 3900 |
| 33 R 46038 | 4 | 33 R 46236 | 500 | 33 R 46426 | 4000 |
| 33 R 46046 | 5 | 33 R 46244 | 600 | 33 R 46434 | 4500 |
| 33 R 46053 | 7.5 | 33 R 46251 | 700 | 33 R 46442 | 5000 |
| 33 R 46061 | 10 | 33 R 46269 | 750 | 33 R 46459 | 6000 |
| 33 R 46079 | 15 | 33 R 46277 | 800 | 33 R 46467 | 7000 |
| 33 R 46087 | 20 | 33 R 462 es | 820 | 33 R 46475 | 7500 |
| 33 R 46095 | 25 | 33 R 46293 | 900 | 33 R 46483 | 8000 |
| 33 R 46103 | 30 | 33 R 46301 | 1000 | 33 R 46491 | 8200 |
| 33 R 46111 | 40 | 33 R 46319 | 1200 | 33 R 46509 | 8500 |
| 33 R 46129 | 50 | 33 R 46327 | 1250 | 33 R 46517 | 9000 |
| 33 R 46137 | 75 | 33 R 46335 | 1500 | 33 R 46525 | 10K |
| 33 目46145 | 100 | 33 R 46343 | 1750 | 33 R 46533 | 12K |
| 33 R 46152 | 120 | 33 R 46350 | 2000 | 33 R 46541 | 12．5K |
| 33 R 46160 | 125 | 33 R 46368 | 2250 | 33 R 46558 | 15K |
| 33 虫 46178 | 150 | 33 R 46376 | 2500 | 33 R 46556 | 20K |
| 33 R 46188 | 200 |  | 3000 | 33 R 46574 | 25K |
|  | 250 |  |  |  |  |
| Shipping wt．， | 202. |  |  |  | e． 36 |



Finest quality wirewounds on ceramic cores with vitreous enamel covering．Give fult wattage dissipation．Tolerance $\pm 5 \%$ on all values above 10 －ohms，other $\pm 10 \%$ ．All types have lug ferminals and mounting feet．Lugs and leads are firmiy embedded．Size：Zü dia． $\mathrm{x} \mathbf{2}^{-}$long．Shpg．wt．， 4 oz ．

TYPE 2．5HJ－25 WATT FIXED

| Stock No． | Ohws | Het Ea． | Stocir No． | Dhms | Net Ea． |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 R 53663 | 1 | .75 | 30 R 53840 | 1000 | ． 75 |
| 30 界 53691 | 2 | ． 75 | 30 R 53857 | 1500 | ． 78 |
| 30 R 53709 | 3 | ． 75 | 30 R 53865 | 2000 | ． 78 |
| 30 R 53717 | 5 | ． 75 | 30 R 53873 | 2500 | ． 78 |
| 30 R 53725 | 7.5 | ． 75 | 30 R 53899 | 3500 | ． 78 |
| 30 R 53733 | 10 | ． 75 | 30 R 53915 | 5000 | ． 78 |
| 30 成 53741 | 15 | ． 75 | 30 R 53949 | 10K | ． 93 |
| 30 R 53758 | 25 | ． 75 | 33 R 53956 | 12．5K | ． 98 |
| 30 R 53766 | 50 | ． 75 | 30 R 53964 | 15K | ． 98 |
| 30 R 53782 | 100 | ． 75 | 30 R 53972 | 20K | ． 98 |
| 30 R 53808 | 200 | ． 75 | 30 R 53980 | 25K | 1.03 |
| 30 R 53816 | 250 | ． 75 | 30 R 54004 | 40K | 1.03 |
| 30 R 53824 | 500 | ． 75 | 30 R 54012 | 50K | 1.29 |
| 30 R 53832 | 750 | ． 75 | 30 R 54038 | 100K | 1.67 |



Made of a single－layer winding and high grade toroidal core．Sliding brush taps transformer to permit selection of output voltage．Brush is always in contact with at least
one turn of wire \＄Deluxe types have circuit breaker，pilot ight，banana jacks，on－off switch and 3 prong plug and receptacle．＂Bench types are fused with pilot light \＆switch．


- Mylar Outer Wrap
- Wound on Nylon Bubbins
- Color Coded Leads

Efflciently designed to meet the needs of miniaturization and engineered to provide encellent power handling capacity and freeuency response with min mum distortion. All are nictuel-steel faminations. Applications under, "TYPE" shows typical use. UBC is unbalanced current Many units may be used for other apdications as welf. Average net weight $11 / 402$. : average shpg由t. 4 oz. MADE IN U.S.A.


## Singly EACH

## PRICE SChedULE <br> quaktity buyers

Lots of 10 Assorted 2.75 Lots of 25 Assorted 2.50 Lots of 50 Assorted 2.35 Lots of 100 Assorted 2.20 WRITE FOR PRICES ON LARGER QUANTITIES Applies to all units on this page except 33 R 85762,33 R 85770 . 99 R 60287.


- Designed for Wide Range Transistor Audio Amolifiers


## - $20-20,000 \mathrm{~Hz} \pm 0.2508$

Completely encased transformers specfically designed for use in transistored, wide range, high fidelity audio amplifiers. Eoth driver and output have 3 frequency response of 20 $20,000 \mathrm{~Hz} \pm 0.25 \mathrm{db}$ when used in properly designed circuits. At full power rating of 1.5 walts the same response may be achieved al
 mounting studs. Color coded leads. Shipg. wt., 6 ors.

## DRIVE TRANSFORMER

Primary impedance 5000 ohms, 3000 ohm center tapped secondary, OC resistance of primary 50 ohms, of secondary 75 ohms. Unbalanced primary current 20 ma $D C$. 33 R 85762 (Argonme AR-500) Net 4.95

DUTPUT TRANSFORMER
Primary impedance, 125 ohms center tapped. secondary impedince. 8 ohms. DC resistance of primary is 4 ohms, of secondary, 0.8 ohms. Unbalanced primary current 50 ma DC. 33 R 85770 (Artonne AR 501) Net 4.95

UAFAVETTE 500-WATT VARIABLE VOLTAGE CONTROL

- Input- 115 Volts
- Output-0 to 130

Voits-Fused

- Linear Output from "No-Load"


## to "Fulli-load"

- Excellent Regulation-Smooth Control Precision, toroidal-wound core delivers fulf, rated output fram 0 to 130 volts. Voltage variation is negilgible from "no-ioad" to "full-load". Comtinuous, smoeth, well regulated from zero to above input line voltage. Suitable for many industrial and laboratory applications, ciass room demonstrations. light dimming, motor control, model raliroadine and other hobby fields. Measures $54 / 2^{\prime \prime \prime}$ $51 / 2^{\prime \prime}$ overall, With 2 -cond. outlet (fused at 5 amps.), on-off switch and $6-\mathrm{ft}$. 3 -cond. cord. tabs for bench or wall mounting. Shpg. wt., 10 tbs. Imported. 99 R 50287
15.95 fuses)
13R10184
Net
.54


# Stancor Transformers 

POWER TRANSFORMERS
All primaries 117 V 60 Hz . All 6.3 V secondaries are C.T. except * and PC. 8414 which has extra 6.3 V 3.0A. Winding Types with $\ddagger$ are for selenium or silicon rectifier circuits or tubes such as 6 AX5, $6 \times 4$, $6 \times 5$, etc. $\dagger$ Plate V. not center tapped. For half wave circuits. For full wave C.I. circuits.


|  |  | Plate |  | 5 V | 6.34 | 12.6V |  | Whtg. |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Stan No. | VCT | Ma | Amp | Amp | AMP | Size | Type | Whet ths. | Each |
| 33 ¢ 80946* | PS.8415 | 125 ${ }^{\text {t }}$ | 15 | - | 0.6 |  | 2x27ax136 | S | $7 / 4$ | 3.64 |
| 33 R 84633 | P8624 | $125{ }^{\text { }}$ | 15 | - | . | 0.3 | 11\%023\% $\times 1 \%$ | 5 | 1/2 | 3.64 |
| 33 ¢ 84641 | P8626 | 125 | 50 | - | - | 0.1 | 2Kor31 $\mathrm{K}_{0 \times 21 / 5}$ | A | $11 / 2$ | 5.69 |
| 33 R 84658 | P8627 | 150 | 25 | - | - | 0.3 | $2 \times 2 \mathrm{~K} \times 13 / 4$ | VE | 1/2 | 5.37 |
| 33 R 80953* | PA-8421 | $125+$ + | 50 | - | 2.0 |  | 21/4x37/4×246 | A | 2 | 5.69 |
| 33 R 80961* | PS. 8416 | $250 \%$ | 25 | - | 1.0 | - | 2\%) $27 / 6 \times 17 / 4$ | S | 143 | 4.66 |
| 33 R 84666 | P8625 | 250 | 25 | - | - | 0.5 | $236 \times 27 / 3 \times 11 / 4$ | S | 1 | 4.66 |
| 33 ค $80979^{\circ}$ | PC-8418 | 4604 | 50 | - | 2.5 | - |  | C | 21/2 | 7.61 |
| 33 R 81027 | PM 8402 | 480 | 55 | 2.0 | 2.0 | - | 23/422/2x3 | M | 2Y/ | 9.71 |
| 33 R 81050* | PC-8419 | 480 | 70 |  | 3.0 | - | $27 / 821 / 23$ | 6 | 3 | 8.94 |
| 33 R 81134 | PC-8405 | 540 | 120 | 3.0 | 3.5 | - | $4 \times 31 / 4 \times 31 / 2$ | c | 53/4 | 12.47 |
| 33 R 90722 | PC-8407 | 650 | 55 | 2.0 | 2.0 | - | $3 \%_{0} \times 25631 / 0$ | $C$ | 31/2 | 9.62 |
| 33 R 80763 | PC-8409 | 700 | 90 | 2.0 | 3.0 | - | $356 \times 3 \times 35$ | $C$ | $43 / 4$ | 13.15 |
| 33 R 80821 | PC-8412 | 800 | 200 | 3.0 | 5.0 | - | $43 / 4 \times 4 \times 4$ | C | 944 | 19.03 |
| 33 R | PC-8414 | 1200 | 200 | 3.0 | 3.0 | - |  | C | 102\% | 22.8 |

## FILAMENT/CONTROL/RECTIFIER TRANSFORMERS

All primaries are 117 volt $50-60 \mathrm{~Hz}$ AC except $\uparrow$ which have a $117 / 107 \mathrm{~V}$ and $\#$ which have $230 \mathrm{~V} .50-60 \mathrm{~Hz}$.


Designed to operate in full-wave center-tapped or bridge type circuits. Each transformer has a tapped primary and a tapped additional winding permitting a wide range of output voltages. All are BV mig. type. Primaries are for $117 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC operation, Supplied with wiring chart.

| Stock No. | Stan. No. | Range of av Volis | Max, D.C. Resistive | Output Lead Capacitive | Slue | W. Lbs. | $\begin{aligned} & \mathrm{Net} \\ & \mathrm{Ea} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 ) 82306 | RT-201 | $\begin{aligned} & 11.7 \text { to } 29.4 \\ & 15.1 \text { to } 28.5 \end{aligned}$ | $\begin{aligned} & 11.2 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \\ & 23.0 \mathrm{~V} \text { at } 1.25 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 13.8 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \\ & 30.0 \mathrm{~V} \text { at } 1.25 \mathrm{~A} \end{aligned}$ | $31 / 8 \times 2{ }^{13} 6 \times 21 / 2$ | 41/2 | 9.74 |
| 33日 82322 | RT-204 | $\begin{aligned} & 11.7 \text { to } 29.2 \\ & 11.6 \text { to } 29.2 \end{aligned}$ | $\begin{aligned} & 12.0 \mathrm{~V} \text { at } 8.0 \mathrm{~A} \\ & 24.0 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 14.5 \text { at } 8.0 \mathrm{~A} \\ & 32.4 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ | $313 / 5 \times 34_{4} \times 31 / 8$ | 71/2 | 16.51 |

# Transformers－Voltage Regulators 

STANCOR UMIVERSAL OUTPUT TRANSFORMERS
Match single or push pull plates to voice coil．Nll type A mtg．

| Stuck Ma． | Stins．mo． | Nimer | Whets | Sire，finch | $w t$ Ues. | Wet |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 0125 | $43 \times 22$ | 7－10x | 4 | 17\％x2\％㐌176 | $1 / 2$ | 3.50 |
| 31518276 | A 5225 | 1.54 .50 | － | 2x3yant |  | 4.25 |
|  | $4 \times 30$ | 3－10x CT | 20 | $2^{13} / 0 \times 3 \%_{0} \times 24 / 4$ | 2 | 6.10 |
| 33 － 81304 | 4394\％ | 1．5－10\％ | 10 | 176x2\％6142 | \％ | 5.35 |
|  | A3852 | 4－14．CT | 18 | 2K． $27 / 42$ | 1\％ | 7.12 |
| 33 （ 81332 | A3955 | 414 CT | 4 | 1\％102\％x1\％ | \％ | 4.54 |
| 33： 81290 | 43：30 | 4－14K CT | 18 | 2x344x | 1\％ | 6.81 |

## STANCOR IFIXED OUTPUT TRANSFORMERS

All are type A mis．except＊is 2.2 .3337 is type $S$ mits．

| Steet We． | Stam．Wo． | primer | Secendery | Wethy | Cesters | W． Les． | Mef Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3368701 | 12313 | 7.000 | 8 | 10 | 20\％ | 11／4 | 3．75 |
| 318181407 | A3311＊ | 10\％CT | 500／16／8／4 | 25 | $21 / 4 \times 2$ | 37／2 | 10.31 |
| 33881415 | 13327 | 25k | 4 | 5 |  | $1 / 2$ | 2.74 |
| 33.01423 | 13328 | 4，000 | 3.5 | 3 | 1\％／4 | $1 / 2$ | 2.24 |
| 33.81431 | 43329 | 8.000 | 3.5 | 3 | $17 / 4$ | 12 | 2.24 |
| 33 E ¢1499 | 13332 | 2，000 | 3.2 | 3 | 13 | 12 | 2.65 |
| 32.81455 | 13337 | SK | 68 | 10 | 2\％ | 112 | 3.65 |
| 38181472 | A3801＊ | 6．500 CT | 500／250／15／8／4 | 35 | 24232\％ | 5\％ | 12.34 |
| 33 ${ }^{\text {d }}$－1480 | A3831 | 10 CH | 8／4／2 | 5 | 2\％ | \％ | 4.66 |
| 83， 11498 | 43857 | 251C CT | 4 | 5 | 2 | 12 | 3.52 |
| 88.81506 | A3876 | 2.600 | 4 | 5 | 2 | $1 / 2$ | 2.37 |
| 17 ll 81514 | A3877 | 5.600 | 4 | 5 | 2 | 1 | 2.37 |
| 33 R 81522 | A3878 | 7，000 | 4 | 5 | 2 | \％ | 2.55 |
| 31． 51530 | A 3879 | 10．600 | 4 | 5 | 2 | $1 / 2$ | 2.12 |
| 23 melset | A8093 | $10,000 \mathrm{CT}$ | 3－4 | 10 | 23 | 3 | 1.67 |

STAMCOR FILTER CHOKES
All rated 1500 V ．ins，except＊is 3000 V ．$\quad 2500 \mathrm{~V}$ ．All type A mit．except $f$ are C and $A$ are 8 ．

| Steek Ma． | 8 Stan mor | 10．0． | 4 | Otim | Slate | TL．183 | $\begin{aligned} & \text { Not } \\ & \text { Eact } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38－61597 | C－1003 | 16.0 | 50 | 500 | $2 \times 34 \times 134$ | 14／4 | 3.4 |
| 38 E1605 | C－1080 | 3.5 | 50 | 200 | 15614202\％ | 奐 | 2.91 |
| 38 181621 | C－1279 | 8.5 | 50 | 400 | 150x2\％\％14／2 | 7 | 2． 3 |
| 33 （ 3163 | C－1325 | 5.0 | S0 | 250 | 15x27eniv／ | \％ | 2.57 |
| 33 Inctes4 | C－1411＊ | 4.5 | 200 | 80 | 354x3x3140 | 34 | 9． 49 |
| 83－ 81695 | C． 1515 | 20 | 15 | 900 | 1\％x2\％x1y／ | ＊ | 3.67 |
| 33851704 | C－1706 | 4.5 | 50 | 300 | 130x27w13\％ | \％ | 2.42 |
| 33 R 51712 | C－1707 | 7.0 | 50 | 550 | 1 \％ 2 2\％xim | \％ | 3.30 |
| 33 ¢ 81738 | C－1709 | 8.0 | 85 | 250 | 2x3442 | 142 | 3.42 |
| 33 ¢ 18182 | C－2325 | 2.0 | 200 | 60 | 24，$\times 33421 / 4$ | ， | 3.4 |
| 33181870 | C－2343 | ． 75 | 300 | 32 | 14＊2\％ $514 / 2$ | ＊ | 3.15 |
| 33 R 81006 | C－2344 | 1.5 | 10 | 85 | 14．x24＊x146 | 12 | 2.50 |
|  | c－2685 | ． 035 | 24 | 75 | 2\％$\times 250 \times 24$ | 24／2 | 5.4 |

STANCOR LINE TO VOICE COIL TRANSFORMER
All are 1 type Mts．except $\mid$ ISV Type．$\ddagger 70.7 \mathrm{~V}$ iype $\$$ power steps in watts．

| Stach Me． | 2tane me． | Impetisince |  | Welts | Cris. | $m$ | $\begin{aligned} & \text { Met } \\ & \text { Eect } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pri | Sec． |  |  |  |  |
| $\begin{aligned} & 35 \text { B } 80060 \\ & 33 \text { in } 00006 \end{aligned}$ | A3105\％ | 500 $16 / 8 / 4 / 2 / 1 / 0.5$ | $6-8 / 3.2$ | 5 | 2 | 4 | 2.90 |

## CONTROL／RECTIFIER TRANSFORMERS

Automation－type transformers designed for high speed autormitic equipment．Primary 115 or $230 \mathrm{~V} .50-60 \mathrm{~Hz}$ ．Two secondary windings for series or parallel use．

| steck mo． |  | Mype | Parallel | dary series | Anclues | $\mathrm{Cx}$ | $15$ | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3304765 | P－615 | 1 | 20V．／．5A | 4．V．／．25A | 2\％ar2950x ${ }^{\text {a }}$ | 2\％＂ | 1 | 5.67 |
| 33188173 | －16 | 1 | 24V．／11A | 40V．1．5n | 24．3402 | 24，${ }^{\text {a }}$ | 112 | 6.60 |
| 32 Ca 8781 | 617 | ． | 204． 12 A | 40V．11． | 34－3tar2M | $34^{2}$ | 242 | 7.85 |
| 18 a 84705 | 15 | －$V$ | 294．14a | 48v．／2a | 3402\％${ }^{\text {a }}$－ | 24＊ | 446 | 12.85 |

## AIR CONDITIONER

 AUTOTRANSFORMERSSTAMCOR PSU3000．Es．
pecially designed for pecially designed for home air conditioners having 1 to 2 HP ．mo tors．Converts 208 volt unit to 230 vefts or 230 volt units to 208 volt．Size： $4 \times 6 \times 41 / 2^{\circ}$ ． Shpg．wt $121 / 4 \mathrm{lbs}$ ． 33 R $206 \mathrm{E}_{\mathrm{W}} \mathrm{WL}$ ． $12 \mathrm{~V} / 4$ tos．Net Ea． 33.43

## T．V．POWER TRANSFORMER

TVPE P－E3S6，Plate voltage $\$ 40$ V．C．T．at 260 ma ；filament windings 5 volt at 3 smps ， 6.3 V at 8.8 amps， 117 V． 60 cyele $A C$ inpurt．


33 R 82298 Wt ． $6 \mathrm{~V} / 2 \mathrm{Ibs}$.
Net 20.33
POLYPEDANCE MODULATION TRANSFORMERS
Fig．A．for transmitters to mutch class B modulators to ctass $C$ load impedance．Pri－ maries and secondarys multi－tapped to match losis 1 om ． 2.000 to 20,000 ohms． Tpe A．3e93．Rated 60 matts，primary and secondary 100 ma ．Size： $4 \times 34 \times 41 / \mathrm{m}^{\prime \prime}$ ．

33 R 82074 Wt．，74／4 lbs $\qquad$ Net 26.99 Tywe 0.3894 ．Rated 126 watts．with 125 ma

31 Re20e2 Wi． $103 / 4 \mathrm{lbs}$ Net 25.39
MICROPHONE TRANSFORMERS
A－4350．Fig．C．For mike or line to line． Dual primary 500 and 200 ohm sections． C．T．pri．imp． $500 / 333 / 125 / 50$ ．Sec． $500 / 333 / 200 / 125 / 50$ ．Mit．Centers $2^{1 \%} \mathrm{~K}_{6}$ ． Sire： $2 \times 3 \mathrm{~V} \times \mathrm{x} / \mathrm{T}_{4}{ }^{\circ}$ ．
23 R 1953 Wt．； 14 los．Net ea． 6.05 A－43st．Fis．TD．For Mike or lime to single grid．Dual primary 500 and 200 ohm sec－ llons．Pri．ime $500 / 313 / 200 / 124 / 50$ ．Sec． Imp．89000．Turns ratio 1：13．3．Mfe．Cters． $276 \times 112^{\prime \prime}$ ．Size： $2^{\prime \prime} K_{4} \times 2 y^{\prime} \times 2 K_{4}^{\prime \prime}$ ．

13 R 82017 WR．， 13 tos．Net ea． 7.47 A－470s．Fig．A for single button mike to sinzte grid．Fri．Imp．200／70．Sec．Imp． 80．000．Turns ratio 1：20 Mig．center． $\mathbf{2 "}^{\prime \prime}$ ． Sire：13世 $2 \% \times 13{ }^{3 \%}$ ．
1312033 Wt．， $1 / 2 \mathrm{Ib}$ ．
Net ea． 4.59

## ACME T8394M VARIABLE VOLTAGE ADJUSTER

300 W．continoous suty
 variable transfoxmer．Ad－
justed by rotey tap sw．
Used as step up or step down．Voltmeter shows sec．vertage．Pri． $95 / 100 / 105 / 110 /$ $120 / 125$ valts at $50 / 60 \mathrm{Hr}$ ．Sec，out 115 V ． $8^{\prime}$ cord and place．sive： $47 / 4 \times 45^{\circ}$ ． 33 R tho1s Wi．， $6 \mathrm{M} / \mathrm{lbs}$.


## STEP DOWN

 AUTO TRANSFORMERS 230 to 115V．All supplied with 6 Heavy dut line Cord and built in PERMA－POWER
AUTOMATIC VOLTAGE REGULATOR

| Stectima． | Pre | IV－303 | － | ］ | WLTE | $\begin{aligned} & \text { Met } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 38 或 516097 | A | 20 | 230 V | 115V | 134 | 5.95 |
| 13 Letas | a | $\pm 0$ | 230 V | 115 V | 1 | 6.50 |
| 34.8118 | A | 60 | 230 V | 115v | 24，4 | 7.50 |
| 33.05014 | 8 | 160 | 230 V | 115V | 3 | 8.05 |
| 23 F 00022 | 8 | 190 | 233 V | 115V | 41／4 | ． 63 |
| 5818 | E | 280 | 230 V | 115 V | 61／4 | 12.55 |
| 11.88048 | 8 | 350 | 230 V | 115 V | 81／4 | 13.23 |
| 31.88 | B | 500 | 230 V | 115 V | 10\％／4 | 17.23 |
| 31.84063 | 8 | 790 | 230 V | $115 V$ | 131／4 | 21.71 |
| 33 （1） | 8 | 1000 | 230 V | 115V | $16 \%$ | 28.48 |
| $33 \cdot 8$ | 8 | 1500 | 2304 | 115V | 213 | 31.81 |

Completely automatic vollage control for color TV or appliances rated up to 400 watts．Simple plug in installotion．Auty－ matically shuts off when set or appliance is not in use．Eliminates picture flutter， shrinking brifliance loss，and other mob－ lems caused by line voltage drops．Shpp． wt．4 $1 / 2 \mathrm{l}$ tos．

32 R 40058
Similar to above $v 00$ watts
Net 14.95
Similar to ab
Net 1.95

# Transformers-Rectifiers 

POWER/ISOLATION
TRANSFORMER

- Ideal For Amplifiers, Intercoms and Receivers


Here is a versatile power transformer that is ideal for experimenters. hobbylsis and constructors. Primary 117 volts and secondary 105 volts no-load- 82 volts with 150 ma tilament load. Literally hundreds of uses for this versatlle unit. Minlmizes the danaer of shock by isolating circults from the power line. Size: $21 / 4 \times 2 \times 11 / 2^{\circ "}$. Shpg. wt., $11 / 4$ lbs. 33 R 75029

## UNIVERSAL POWER TRANSISTOR OUTPUT TRANSFORMER

Designed For The Experimenter

- Pri. Tapped at 8-12-16-24-32 And 48 ohms
- Rated 10 Watts

Engineered for construction projects using the increasingiy popular power transistors. WHI also serve as a general replacement for many transistorized auto radios. Rated at 10 watts for push-pult operation. Primary tapped at $8,12,16,24,32$ and 48 ohms. Secondary tapped at 4,8 and 16 ohms. Sizes $3 K_{0} \times 21 / 4 \times 2 \%_{6}^{\prime \prime}$. Shpg. wt., $23 / 4 \mathrm{lbs}$.
33 R 75011 Type TR 94
Net 4.59


## LINE-TO-VOICE COIL TRANSFORMERS

## 25 VOLT, 16 WATT LINE-TO-VOICE COIL

May be used with either 8 or 16 ohm speakers. 8 ohm speakers have choice of 4,8 or 16 watt taps. 16 ohm speakers use $2,4,8$ or 16 watt taps, 1 mported, Size: $23 / 4 \times 21 / 4 \times 2^{\prime \prime}$. Shpg. wt., 1314 lbs .
99 \& 63430
Net ea. 4.29

### 70.7 VOLT, 10 WATT LINE-TO-VOICE COIL

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: $2 \times 11 / 2^{\prime \prime}$. MIg. Centers $236^{\prime \prime}$. Imported. Shpg, wt., $3 / 4 \mathrm{lb}$.
99 R $62846^{\circ}$
Net 1.99
Lots of 3 Ea., 1.89, Lots of 6 Ea., 1.50
POWER TRANSFORMER
for SELENIU㖼
RECTIFIER CIRCUITS
$2^{49}$
Most popular replacement power transformes for circuits using selenium rectifiers or rectifier tubes such as $6 A \times 5,6 \times 4,6 \times 5$. Primary is 117 V 60 Hz A.C. Plate supply is 125 VAC $1 / 2$ wave at 15 ma with $6.3 V 0.6 \mathrm{amp}$ fllament winding. Size $2 \times 23 / 4 \times 13 /{ }^{\prime \prime}$; mounting centers $2^{\prime \prime}$. Shpg. wt., $3 / 4 \mathrm{Ib}=$
33 R 34059


SUBMINIATURE TRANSISTOR AUDIO TRANSFORMERS
ONLY $1 / 2^{\prime \prime} \times 1 / 2^{\prime \prime} \times 1 / 2^{\prime \prime}$
A new serles of miniature transformers for transistor and experimental miniature circults. Ideal for miniature radio receivers, amplifiers, hearing aids, eic. using standard transistors. Incorporate special heat-treated high permeability magnetic cores treated to resist corrosion. Designed for improved frequency response with low distortion. $3^{\prime \prime}$ color-coded leads. Average shpg: wt., 2 oz. Imported

| Stock No. | Type No. | Circuit | Impedance Pri. Ohms | \$ec. Ohms | O.C. Resistance Pri Ohms | Sec. Ohms |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 R 61251 | TR 97 | INPUT | 100,000 | 1000 | 1000 | 1000 |  |
| 99 R 61269 | TR 98 | DRIVER | 10,000 | 2000 C.T. | 240 | 60 C.T. |  |
| 99 R 61277 | TR 99 | OUTPUT | 500 C.T. | 3.2 | 40 C.T. | 0.7 |  |
| 99 R 60346 | TR 120 | INPUT | 200,000 | 1000 | 1400 | 50.5 |  |
| 99 R 61293 | TR 116 | OUTPU | 500 C . | 8 | 0 C.T | 1.7 |  |

## UNIVERSAL POWER transistor output ThANSFORMER



- 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 $20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Primary Impedance 48 ohms center tapped. Secondary, 3.2 ohms; Primary DC reslstance 1.1 ohms, secondary 0.3 ohms. Unbalanced primary current 500 ma DC. Size $1 K_{0} \times 17 / \mathrm{ex} \mathrm{K}_{0}^{\prime \prime}$. Shpg. wt., $1 / 4 \mathrm{lb}$. 33. R 85788 Type AR-503 ....... Net 1.95

## INPUT TRANSFORMER



Rated 2 watts. Frequency response 70 to $20,000 \mathrm{~Hz} \pm 2 \mathrm{ob}$. Primary impedance 100 ohms. Secondary impedance 200 ohms CT. Primary DC resistance 1.8 ohms, secondary 2.7 ohms. Unbalanced primary current. 200 ma DC. Size: $1 K_{s} \times 17 / 0 \times 1 K_{0}^{\prime \prime}$. Wt., 7 oz . 33 R 85796

Net 1.65

## 24-VOLT FILAMENT TRANSFORMER



Primary 117-Volt, secondary 24 Volts at 1 amp. Mounting centers $21 / 4^{\prime \prime}$. Size $21 / 4 x$ $13 / 8 \times 15{ }^{*}$. imported. Shipping wt., $12 / 2 \mathrm{lbs}$. 99 R 62663

Net 2.19

## HIGH DENSITY SELENIUM RECTIFIERS



Replacements for radios, TV seis. Hi-Fl etc. 130 VAC input; 380 max. peak inverse volts. All have solder lugs. Avg. shpg. wt., 40 oz .

| Stock No. | Ma | Net <br> Each |
| :--- | :---: | ---: |
| 33R 45378 | $0-75$ | .59 |
| 33R 45385 | $75-150$ | .75 |
| 33R 45394 | $150-300$ | .92 |
| 33R 45410 | $400-500$ | 1.25 |
| 33 R 45345 | 750 | 1.86 |



## TRANSISTOR OUTPUT TRANSFORMER

Only 58x 7/ax130". 2000 ohm primary to 10 ohm voice coll. Matches most transistor outputs, Shpg. wt., 3 oz . Imported.
99 R 61012
Net .79

## MODULATION \& AUDIO OUTPUT TRANSFORMER

Subminiature $3 / 4 \times 5 / 6 x^{5 / 4 / 4}$ H. Cen-ter-tapped primary: 2 secondary windings. Impedance; primary500 ohms C.T.. secondary - 8 ohms and 3 K ohms. With schematic. Shpg, wt., 302.
99 R 61327 imported
Net .89

## OUTPUT TRANSFORMER



Flg. 4
F1. ${ }^{8}$

## 5016 OUTPUT

Fig. B, Matches 50L6, 3516. 2516. etc. to 3-4 ohm voice coil. Size: $11 / 2 \times 11 / 4 \times 11 / 8^{\prime \prime}$ with $13 / 4$ " mounting ctr. Shpg. wt., 5 oz.
33 R 37011 ........................ Net ea. . 89
UNIVERSAL OUTPUTS
Fig. A. Match any single or push-pull output tubes to any volce coil. Shpg. wt., $3 / 4 \mathrm{ib}$.
33 R 75037 4-Watt
Net ea. 2.54
33 R 75045 8.Watt
Net ea. 3.06


### 6.3 VOLT FILAMENT TRANSFORMER $1^{39}$

Primary 115 VAC. Secondary 6.3V, at 1 amp. Size: $13 / 4 \times 11 / 2 \times 142^{\prime \prime}$ with $21 / 4^{\prime \prime}$ mounting ctg. Shpg. wt $1 / 2 \mathrm{ib}$.
33 R 37029
Net ea. 1.39
SARKES TARZIAN
SILICON
RECTIFIERS

(B)

Shpg. wt., 2 oz. Max Max. Input Ket Stock Na. Fig. Type OC PIV VAC Ea. 33 R 59098 A F-4 $1 \mathrm{amp} .400 \quad 130$. 56 33 R 59106 A F. 61 amp. $600195 \quad .60$ 33 R 59056 B M-500 $1 \mathrm{amp} .400 \quad 130 \quad .96$


13 R 62045 Single Holder
13 R 62052 Dual Holder
ea. 22

Depend on Lafaycte For Complete Stocks, Lowest Prices, Fastest Service
MIMI－CATOR CLIP（A）
＂Cad．plated steel．fsolid copper．Length $1 / \mathrm{k}^{\circ}{ }^{\circ}$ ，alligator jaws open $k_{0}{ }^{*}$ ． 20 or smaller wire．Avg．shipg．wi．， 202.

| Stock No． | No． | Each | Lats 10 Each | Lets of 100 Each |
| :---: | :---: | :---: | :---: | :---: |
| 31.15006 | $39 *$ | － | －${ }^{\text {c }}$ | ． 053 |
| 32035369 | 30.1 | .11 |  | ． 065 |

Smallest made alfigator clip for use on P．C．boards，finy terminals， and other crowded spots．＂Cad．plated steel．tSolid copper． 20 or smaller wire．Ave．shpe．W！．． 2 oz.

Ber Mueller Clips and Insulators

| Steck Ne． | Wo． | Sire | Open | Wet Exch | cots 10 Each | Lets 10 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 324 35330 | 34＊ | 180 | \％s＂ | 07 |  | 041 |
| $32 \times 35344$ | 34Ct | 1\％ | $4{ }^{\prime \prime}$ | 98 | 56 | 05 |

TEST CLIP WTH MESM TEETM（B）
Pee－Wee clip for general test purposes．Cad．plated sieel except ${ }^{\circ} \mathrm{C}$ is solid copper．Avg．shpg．wt． 20 ．

| Steck No． | We． | Anp． | Size | Met Each | Lets 10 Erch | Lets 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 n 35017 | 43 | 5 | 14／2＊ | ． 10 | 07 | ，0st |
| 32． 15025 | Ec． | 10 | 142＂ | .17 | 12 | 103 |

luws of both ends operate independently．Cad．plated steel $\mathbf{2}^{-\mu}$ long． jaws open $1 / \mathbf{2}^{\prime \prime}$ ．Shpg．wt． 2 位．

| Steck No． | Me． | Esact | Lets 10 Exclin | Lots 160 Each |
| :---: | :---: | :---: | :---: | :---: |
| 32035223 | 22 | ． 15 | ． 10 | 047 |


| Stech No． | cs．No | Celor | Fits Clip Series | ［tir |  | $\begin{aligned} & \text { Cots } \\ & 100 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Net Each | Lets 10 Each |  |
| 12035452 | 13 | Red | 11 | ． 05 | 60 | ． 52 |
| 32用 35470 | 13 | Blach | 11 | 86 | ． 60 | ． 52 |
| 32 \％35488 | 23 | Red | 21 | 47 | ． 33 | ． 28 |
| 32． 35459 | 23 | Blach | 21 | ． 47 | 13 | ． 21 |
| 32： 35504 | 26 | Red | 24A \＆ 25 | 29 | 20 | ． 172 |
| 32 ¢ 35512 | 26 | Black | 24 A \＆ 25 | 23 | 20 | ． 172 |
| 32 \％ 35520 | 29 | Red | 27 | ． 19 | 13 | ． 115 |
| 32.15534 | 29 | Black | 27 | ． 19 | 13 | ． 115 |
| 32 早 35546 | 32 | Red | 30 | ． 05 | 29 | ． 029 |
| 32 R 35553 | 32 | Blach | 30 | ． 05 | 03 | ． 029 |
|  | 36 | Red | 34 | ． 05 | 03 | ． 079 |
|  | 36 | Btack | 34 | ． 05 | 03 | ． 029 |
| $32{ }^{1} 15587$ | 47 | Red | 45 | ． 08 | 05 | ． 045 |
| 32 R 35595 | 47 | Btach | 45 | ． 08 | 05 | ． 045 |
| 32.35603 | 49 | Red | 48 \＆ 50 | ． 12 | 008 | ． 073 |
| 32 星 35511 | 49 | Black | 48850 | ． 12 | 01 | ． 073 |
| 32.35629 | 62 | Red | 60 | ． 06 | ． 04 | ． 035 |
| 32 35637 | 62 | Black | 60 | 06 | ． 04 | ． 035 |
| 32 ¢ 35645 | 87 | Red | 85 | ． 08 | ． 05 | ． 045 |
| 32 R 35652 | 87 | Black | 85 | ． 08 | ． 05 | 045 |

## LAFAYETTE <br> KIT OF 20 INSULATED ALLIGATOR CLIPS

Two hits of insulated alligator clips．Kit A consists of 20 larke sire cllus．lift B com． sists of 20 small size clips．Alt have sturdy
nickel－plated jaws with strone spring and hard bite．fach hit contains
10 red and 10 black aligater clips，carded and bageed．imported． shpe．wt． 8 oz.

Net 1.19
s）


KIT OF 10 Jumper leads
10 handy $14^{4}$ lesds with miniature insu． lated alligator clips attachee to each end．Clips and leads color coded．S pairs each different color．Ideal for serviceman or experimenter．Imported． 99 R 00572 Shpg．wt．， 5 ot． $\qquad$


Kit of 5 jumper leads each $4 \%$ long with battery clip terminations．Clip，insulators and leads are color coded for easy identiticalion． Imported．Sipg．wt． 8 oz $99{ }^{2}$ coscs

Net ea． 1.49

CROCHOILE CLIPS（0）
Copper，others cad．plated．\＆Mas slandard phone tip io one jaw． Avg．shge．wt．， 2 at．

| Stect Mo． | No． | Size | Conre． | Esch | Lets 10 Each | Lets 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32\％35140 | es | 210＂ | Screw | ． 12 | ． 1 | ． 072 |
| 32.35157 | esc＊ | 240＊ | Screw | 24 | ． 17 | ． 142 |
| 32R35165 | 857 $\dagger$ | 2\％${ }^{\text {\％}}$ | Tip | ． 31 | 22 | ． 148 |

## ALIGATOR ClIPS（E）

＂Copper，others steel．All it banana plags．Ave．shpg．wt．． 2 as．
Lefis 10 lots 100

| Stuek No． | Ne． | Size | Open | Comn． | Ex | E | Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 n 35173 | 0 | $2{ }^{*}$ | 布＂ | Stu． | ． | 41 | 051 |
| 32 R 35181 |  | $2{ }^{\prime \prime}$ | \％ | Screw | .12 | 0 | ． 070 |
| 12 ${ }^{\text {Q }} 35199$ | cs． | $2^{\prime \prime}$ | \％${ }_{6}$ | Screw | $1{ }^{1}$ | ． 13 | ． 108 |

## INSULATE：CLIICATOR CLIPS（T）

Copper，pthers cad．plated steel．size： $2^{13}$ 亿＂scosew connections． Ave．shpg．wt． 2 oz．

| Stech No． | No． | Color | Eack | Lets 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 n 35427 | Cuns | Red | ． 16 | 12 | 058 |
| 32 R 35439 | Ws | Black | ． 18 | ． 12 | ． 088 |
| 32． 35447 | Nis ${ }^{\circ}$ | Red | ． 22 | ． 16 | ． 124 |
| 32 R 35454 | cecws＊ | Black | ． 22 | ． 16 | ． 134 |

－Are solid copper，all otheas are lead plated．Avg．shpg．wi．， 8 oz．

| Stach Me． | Ne． | Amp． | Size | Nef Each | $\text { Lots } 10$ <br> Each | Lots 100 ExCM |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32． 35066 | 24 | 25 | 2\％＂ | 27 | 2 | ． 174 |
| 32 c 35014 | 21A | 50 | 4 | ． 52 | 3 | ． 31 |
| 32 n 35062 | 114 | 100 | $6{ }^{4}$ | 1.44 | 1.01 | ． 26 |
| 329 3537\％ | 2sc＊ | 75 | 3＂ | ． 51 | N | 304 |
| 32035090 | 21c＊ | 100 | 412＂ | 1.14 | ． 5 | ． 60 |
| 32 R 35108 | 11c＊ | 200 | 6＂ | 2.65 | 1.5 | 1.59 |

3 SIDED MESM TEITM CLIPS
All steel cadmium plated except is solid copper，if has insula． tion piercing needle in jsw．Ave．shpg．wt．， 3 or．

| Stock Ma． | He． | Amp． | Sise | Each | Lets 10 Exch | Lets 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32， 35033 | 48 | 10 | 2 | ． 15 | 1 | ． 039 |
| 12， 35041 | 4ec． | 20 | 2 | 2 | ． 15 | ． 13 |
| $32.1505 \%$ | 59\％$\ddagger$ | 20 | 21／4＂ | ． 51 | ． 25 | 243 |
| 32.35114 | 27 | 20 | 2\％＂ | ． 10 | ． 12 | ． 104 |
| 32． 35124 | 27c＊ | 40 | 23＊＊ | ． 31 | ． 22 | ． 117 |

${ }^{\circ}$ Copper，Had．plated steef， $21 / 4$＂long，shpe．wt．， 1 oz．

| Stock Ne． | Ne． | Color | Esch | lots 10 Erch | Lots 100 Exch |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 Cl 3600 | 631 | Red | 23 | ． 16 | ． 136 |
| 32 R 3567 | $61 \dagger$ | Black | ． 23 | ． 16 | ． 136 |
| 32 35606 | $63{ }^{\circ}$ | Red | ． 27 | ． 19 | ． 162 |
| 32 \％ 35694 | 6xc＊ | Black | ． 27 | ． 19 | ． 182 |
| IMStL | Aul | TE | S | 6 F |  |
| Mandy for quich connections．Plated brass aligator clip with insulated handles and 6 f1．of No． 22 stranded wire attached．Clip is $11 / 2^{*}$ overall．Imported．Shpe．we． 2 or． <br>  Net ea． 39 $6 \mathbf{6} 537$ 8lack <br> 10 fer 1.35 |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## insulated alliantor clip

Sturdy nickel－plated brass ；wws with plastic insulated thumb rest and insulated barrel． Strong spering with hard bite．Solder wh con－ nection．Overall length $242^{\circ}$ ．Inported． Shpe．wt．， 2 ou．Supplied is Red and Btack． 3）R crige hed
st ${ }^{\text {R }}$ s2209 Black

## FAHMESTOCK CLIPS P－8 1


c
Brass clips that assure geod electrical contact without injury to wire，$\$ / 2^{\circ}$ wide except＊waich are $\%=$ ．Packages of 10 ．Shpg．wt．， 4 oz ．

| Steck No． | Fis． | Lett． | Man．Wire | Meren Move | Pla． of 10 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $33 \mathrm{Tl010}$ | B | $1{ }^{\prime \prime}$ | Mo． 10 | No． 8 | 30 |
| $32 \times 76011$ | C | $1 \%{ }^{\circ}$ | Mo． 10 | Ho． | 32 |
| 72 R 645\％5 | A | 1\％－ | Mo． 10 | Mo． | 1.16 |
| 33＊710as＊ | 8 | H－ | No． 14 | No． 6 | 1.30 |

# Sockets, Connectors, Test Adapters 



BEAU PLUG CONNECTORS


Beauchaine Series 3300 plugs and sockets are reliable, versatile connectors for chassis or cable use. The cable type have scuff-resistant. Insulated backshells made of polypropylene plastic. (UL \& CSA listed). supplied complete with cable clamps. The recessed types have black wrinkle paint

ENCLOSED PLUG WITH CLAMP (fig. A)


## ANGLE BRACKET PLUGS (FIG. C)

| Stock No. | Mig. No. | No. of Contacts | $\begin{aligned} & \text { Net } \\ & 1-24 \end{aligned}$ | $\begin{gathered} \text { Each } \\ 25-49 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 R 20312 | P-3302-AB | 2 | 28 | .234 |
| 34 R 20320 | P.3303-AB | 3 | . 35 | . 276 |
| 34 R 20338 | P-3304-AB | 4 | . 35 | . 282 |
| 34 R 20346 | P-3306.AB |  | . 44 | . 348 |
| 34 R 20353 | P.3308-AB | 8 | . 51 | . 408 |
| 34 R 20361 | P.3310-AB | 10 | . 58 | . 462 |
| 34 R 20379 | P-3312-AB | 12 | . 65 | . 522 |
| 34 R 20387 | P-3315-AB | 15 | . 91 | 726 |
| 34 R 20395 | P-3318-AB | 18 | 1.10 | 882 |
| DEEP BRACKET PLUGS (FIG, E) |  |  |  |  |


| Stock No. | M1g. No. C | No. of Contacts | $\begin{aligned} & \hline \text { Net } \\ & \text { is } 1.24 \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Each } \\ 25-49 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 R 20619 | P-3302-D | 2 | . 72 | . 576 |
| 34 R 20627 | P-3303-DB | 3 | . 74 | . 588 |
| 34 R 20635 | P-3304-D8 | 4 | . 75 | . 60 |
| 34 R 20643 | P-3306-D8 | 6 | . 84 | . 672 |
| 34 R 20650 | P-3308-D | 8 | . 91 | . 726 |
| 34 R 20676 | P-3312-DB | 12 | 1.10 | . 882 |
| 34 R 20684 | P-3315-D8 | 15 | 1.34 | 1.074 |
| 34 R 20592 | P-3318-DB | 18 | 1.61 | 1.29 |

## POMONA TEST ADAPYERS



Ideal for in-circult checking of voltage, resistance, audio and video from above chassis. for use in sockets having captive shields. Shpg. WL, 3 uz.
Stock No. Type Pins Description Each 33 R 57019 TVS-7 33 R 57027 TVS-8 33 R 57035 TVS-9 33 R $57076 \mid 179$
33 R $57118 \mid 2497$
33 R 571262610
,33 R 570841710
33 R 57043 TVS- 12 33 R 570501447 33 R 570681449

## HORIZONAL OUTPUT COLOR

 TEST AOAPTERSFor 6je6, 6KM6. Test adapter with No. 3 Pin interrupted allows you to measure and adJust the cathode current of output tubes without removing chassls. Shpg. wt., 300. 33 R 57092 Net 3.75 For 6JS6, 6JM6, similar to unit above, but with number 2 pin interrupted. Wt. 3 oz . 33 R 57100

over plated steel shell. All hardware is electroplated. Female contacts are cadmium plated phosphor bronze. Male contacts are cadmium plated brass. Contacts rated volf. age 750 V RMS and a current capaclity of 10 amp. Average shpg. wt., 402.

ENCLOSED SOCKET WITH CLAMP (FIG. B)

| Stock No. | Mfg. No. C | No. of Contacts | $\begin{array}{lc} \hline \text { Het } \\ \text { Is } & \\ \hline \end{array}$ | $\begin{aligned} & \text { Each } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 R 20163 | S-3302-CCT | T | . 67 | . 534 |
| 34 R 20171 | S-3303-CCT | T | 69 | . 552 |
| 34 R 20189 | S-3304-CCT | T | . 71 | . 564 |
| 34 R 20197 | S-3306-CCT | T | . 80 | . 642 |
| 34 R 20205 | S-3308-CCT | T | 94 | . 75 |
| 34 R 20213 | S-3310-CCT | T 10 | 1.04 | . 828 |
| 34 R 20221 | S-3312-CCT | T 12 | 1.19 | . 954 |
| 34 R 20239 | S-3315-CCT | T 15 | 1.49 | 1.194 |
| 34 |  |  | 1.73 | 1.3 |
| ANGLE BRACKET SOCKETS (F\|G. D) |  |  |  |  |
| Stock No. Mfg. No. |  | No. of Nel Each  <br> Contacts $1-24$ 25.49 |  |  |
|  |  |  |  |  |
| 34 R 20460 | S-3302- | 2 | . 32 | 252 |
| 34 R 20478 | S-3303-AB | 3 | . 36 | . 288 |
| 34 R 20486 | S-3304-AB | , | . 37 | . 294 |
| 34 R 20494 | S-3306-AB | 6 | . 47 | . 372 |
| 34 R 20502 | S-3308-AB | 8 | . 58 | . 462 |
| 34 R 20510 | S-3310-AB | 10 | . 69 | . 552 |
| 34R20528 | S-3312-AB | 12 | . 80 | . 642 |
| 34 R 20536 | S-3315.AB | 15 | 1.04 | . 834 |
| 34 R 20544 | \$-3318-AB | 18 | 1.24 | . 99 |

DEEP BRACKET SOCKETS (FIG. F) stoek No No. of Met Each Stock No. Mig. No. Contacts $1-24 \quad 25-49$

| $34 R 20767$ | $S-3302-D B$ | 2 | .72 | .576 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $34 R 20775$ | $S-3303-D B$ | 3 | .78 | .624 |
| $34 R 20783$ | $S-3304-D B$ | 4 | .80 | .636 |
| $34 R 20791$ | $S-3306-D B$ | 6 | .89 | .714 |
| $34 R 20809$ | $S-3308-D B$ | 8 | 1.01 | .804 |
| $34 R 20825$ | $S-3312-D B$ | 12 | 127 | 1.014 |
| $34 R 20833$ | $S-3315-D B$ | 15 | 1.51 | 1.206 |
| $34 R 20841$ | $S-3318-D B$ | 18 | 1.78 | 1.41 |

## COMPACTRON SOCKET


mica filled 12 pin tube saddle type socket with four ground lugs. Shpg wt., 2 oz.

## 33 R 87016

Net 33

## NOVAR SOCKET

Nine Pin (Novar) Socket with bottom mount saddle plate. Shpg, wt., 202.
33 R 87255 .. Net ea. 20

## TV PICTURE TUBE SOCKETS

MOLDED: New all mólded duo-decal socket for std. CRT's. Complete with back plate, contacts, hardware. Less leads.
18 R 27138 Shpg. wt., 4 oz. .... Net . 33
Same as above wired for electrostatic and magnetic tubes.
18 R 27153 Shpg. Wt., 4 Oz. ... Net 1.05 $110^{\circ}$ SYLYAnIA CRT SOCKET. Wired for easy replacement with 18 inch leads.
18 R 27161 Shpg. wt., 5 oz .... Net . 99 $110^{\circ}$ RCA CRT SOCKET. Wired for easy re. placement, with 18 inch ieads.
18 R 27179 Shpg, wit., 5 02. ... Net . 75 Color CRT socket, for $70^{\circ}$ color tubes, wired with $18^{\prime \prime}$ leads. Shpg, wt., $70 z$.
18 R 27203
Net 2.25
Color CRT socket for $90^{\circ}$ color tubes will accept either RCA or Motorola tubes. Wired with $18^{\prime \prime}$ leads. Shipg. wt., 902.
18 R 27195

# ROBINS Socetes ant Comeneturs XLP AND XL CANNON AUDDO AND ELECTRONIC CONMECTORS 


vependable rugged constucticn．Fealures push－action Lutch－loch for fecking mited fittings together securely．Interchangeable and mates Eith Connon xun Connectors．Connectors hove zinc alloy shell， phenolic insulator，and satin siciuel fintsh．Avg．Shpg．wt． 5 ar．

STRNACHT CONE PLUSS AND SOCKETS

| Smet me． | Wrict He． | F3． | Contacts． | Type Maut | Wet Et |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33.2805 | x 2 P－3－11 | 0 | 3．Socket |  | 170 |
| 13.29057 | xU－4－11 | 0 | 4－Socket |  | 212 |
| 21829075 | XLP．3－12 | 8 | 3．Pln |  | 1.82 |
| 21829043 | xap＋12 | 家 | 4－9in |  | 1．t） |
| 31 l | xep．3－15 | c | 3．Soclet． | Aight Angle | 4.15 |
| 3382455 |  | C | 4．Socket． | Right Angle | 4.50 |

## AMPHENOL RELAY SOCKETS

 OCTAL TPPE Rugred． melamine sockets with high insulation barriers with long creepage paths．Rated 5 amp 1250 V RMS．－Has molded－in threaded inserts for tie points．103－104 arg top mounted． 203 is bottom mounted．Shpg．wt． 4 oz．

| Steck Me． | Me．Type | Wet Estill 1－4！ |
| :---: | :---: | :---: |
| 12\％tsots | 146.103 | 1.64 |
| 22 （19912 | 146－104＊ | 2.04 |
| 32 （19820 | 146－203 | 1.4 |

## AMPWENOL OCTAL SADOLE SOCKET

No．168－015．Steel mounting plate moided in track bakelite． Uses $1^{1 \prime}$ nounting hole with $1 \%_{0}^{-}$ centers．Shpe．w．．， 3 oz ．

## 32 an 20951 <br> Net en． 12

## AMPHENOL ＂FODATMC＂ SOCKET

Type 77 －mirifut Octal Socket with live rub ber grommets fit into mtg．holes for vibra tion free operation．Mounts above or below chassis in $1 \mathrm{~K}_{0}{ }^{*}$ dia，holes on $112^{\circ}$ centers． With hardware．Shpi wf．， 3 oz． 32 R 15 za


PAMEL AND WALL MOUNT RECEPTACLES

|  | Wirsts．We． | F\％－ | Contacts，Tyee Moumt | Mel Es |
| :---: | :---: | :---: | :---: | :---: |
| 33123174 | 2．－3－13 | － | 3－Soctel Watl of Pamel | 1 |
| 33182963 | 20．3－14 | E | 3－Pim．Wall or Panet | 1.1 |
| 33125208 | $x<4-14$ | E | 3 Pin，Wall or Panel | 1.5 |
| 3482318 | X $6.3-13 \mathrm{~N}$ | $f$ | 3－Soctet，Panct | 2.8 |
| 31.21224 | XL．3－14N | c | 3 Pin，Prael | 1. |
| 33.21240 | $\mathrm{XL}_{2}-31$ | 0 | 3－Soclet，Wall |  |
| 38.23257 | $x<-31$ | H | 4．Soctet，Wall | 21 |
| 23829265 | x x －3－32 | 1 | 3 Pina，Weil or Panel | 1.2 |
| 3312941 | x．4．32 | 1 | 4．Pin，Wall or Panel | 1.5 |
| 33129281 | x $x \cdot 3-35$ | 1 | 3－Socket，wal！，single ging | 3\％ |
| 3312520 | XL．3－36 | 1 | 3fin．Watl，single gang ．．． | 1.7 |
| 31.22301 | $x+36$ | 1 | 4．Pin，Wall single gang | 4.23 |
| 33 l 21395 | xL－3－35－26 | K | 3－Socket．Wall，two gang | 7.42 |
| 3328313 | 20．3－36－26 | K | 3－Pin，Will，two gang | 8.11 |

## anamemal ＂MOCKETS

Molded high dielectric black phenolic，with
moldec－in plate for $11 / 2^{\prime \prime}$ mounting centers． T type is mic - filied． $1 \%-$ mounting hole eacept＂ $140^{\circ} \mathrm{mtg}$ ．hove． $1 \% \mathrm{c}^{-} \mathrm{mtg}$ ．ctrs． \＄ 15 Mm mig．hoie．f loctal sachet．Ave．shpg． wt．， 3 mz ．

| Steck Mo． | stit．Wo． | Prangs | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 32.20415 | 77．MIP 4 | 4 | 24 |
| 32.20421 | 71－MIP－5 | 5 | 27 |
| $32 \cdot 29411$ | 77－MIP－6 | 6 | 23 |
| 32日 $2+456$ | 77－MIP－7S | 75 | 21 |
| 32 星24464 | 7\％MIP－8 | 8 | ． 26 |
| $32 \mathrm{ara72}$ | 77 MIP－8T | 8 | ． 28 |
| 12 －24480 | 38.8 ＊ | 8 | ． 23 |
| 32 27498 | 植80\％ | 8 | 44 |
| 32.23506 | 77－MIP－9 | 9 | ． 30 |
| 32 R 13052 | 17 MAP－11 | 11 | ． 31 |
| 32 ¢ 20522 | 17 MIP－12 | 12 | 36 |
| 12：2＊530 | 77－M1P－20\＄ | 20 | ． 70 |

AMPHENOL MIN． 1 \＆ 9 PTN SOCKETS

## 4



Amphenol socliets for TV．FM，auto radios， etc．147－series mounts on $5 / 6^{-2}$ chassis hole with＂mitg．ctrs．W＂screw heles． 59 series mounts in $3 i^{\circ}$ hole with $11 / /^{\prime \prime} \mathrm{mtg}$ ． etrs．． $.095^{\circ}$ rivet holes． $125^{\circ}$ rivet hote． \＆Biach Bametite．$t$ Mica－filied batwhtite． Are．， 3 oz ．

BOITOM MOUNTING TYPE－FIG．（N）

| Steck No． | Mite mo． | No．of Cont． | $\begin{aligned} & \text { Wet } \\ & \text { Ein } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 32 a 20767 | 147－500\＄ | 7 | 38 |
| 320 207 ¢ | 147－505 4 | 7 | 39 |
| 32 R 20103 | 59．409 | 9 | 44 |
| $32 \times 2011$ | 59－410¢ | 9 | 1.13 |

．1OP WOUNTIMG TYPE－FIG．（B）
Socker with tupe shield tase to fit shields lister below

| 32 L 23123 | 147－905 | ， | 6 |
| :---: | :---: | :---: | :---: |
| 32 R 2 may | 147－913 | 7 | 46 |
| $32.80{ }^{285}$ | 59－403t ${ }^{\text {f }}$ | 9 | ． 72 |
| 12． 2005 ？ | 59．4071 | 9 | 51 |
| 32 L 20160 | 59－406； |  | 53 |

TUBE SHIELOS FIE（C）
for 7 －Sontact 8ases．

|  | $\begin{aligned} & 5-401 \\ & 5-402 \end{aligned}$ | $\begin{aligned} & 17 y^{\prime \prime} \\ & 1 \text { 泡" } \end{aligned}$ | ． 21 |
| :---: | :---: | :---: | :---: |
| For 9 Contact Bases． |  |  |  |
| 32 R 20154 | 5－405 | 11／2＂ | ． 21 |
| 32.20502 | 5－408 | 1 ${ }^{\text {\％}}$＂ | ． 25 |
| 32 R 29910 | 5－409 | $2{ }^{4}$ | ． 31 |

# Amphenol Microphone and Audio Connectors 



SERIES 75．PRESSURE TYPE－SINGLE CONTACT Polished chrome olated brass fittings with 5 6＂ 6 ＂ 27 thread．wt．， $30 z$. Stock

| $\begin{aligned} & \text { \$toct } \\ & \text { Ho. } \end{aligned}$ | Ixp | Fis． | Description | Ne：Ea． |
| :---: | :---: | :---: | :---: | :---: |
| 32 R 19060 | 75－MC1F | A | Cable plug | ． 70 |
| 32 R． 19078 | 75－MC1M | B | Cable jack Fits Above | ． 48 |
| 32 R 19086 | 75－PC1M | C | Receptacle，open | ． 48 |
| 32 \％ 19094 | 75．CL－PC1M |  | Receptacle，shorting | ． 68 |
| 32 R 19102 | 75－MC1F－A |  | $90^{\circ}$ cable jach | 1.48 |
| 32 R 99110 | 75－MC1P | $F$ | Phone plug Adapter | ． 68 |
| 32 R 19128 | 75－1 | A | Min．Straight cable plug | ． 76 |
| 32 R 19136 | 75－2 |  | Min．Cable jack Flts Above | ． 53 |
| 32 R 19144 | 75－3 | C | Min．Locknut receptacle | ． 53 |

SERIES 80．SINGLE AND DOUBLE CONTACT TYPES For concentric lines，shieided mike cables，etc．Center contacts are pin．and socket type．＂Single－contact type．tDouble－contact type． Av．shpg．wt．， 3 oz．

| Stect Ne． | Type | Fig． | Description | Net Ea． |
| :---: | :---: | :---: | :---: | :---: |
| 32． 19151 | －80F | 6 | Female cable jack | ． 77 |
| 32 R 19169 | －80C | H | Female chassis receptacle | ． 60 |
| 32 R 19177 | －80M |  | Male cable plug | ． 76 |
| 32 R 19185 | 180－MC2F | G | Female cable jack | ． 65 |
| 32 R 19193 | 180－PC2F | H | Female chassis receptacie | ．68 |
| 32 R 19201 | \＄80－MC2M | 1 | Male cable plug | ． 80 |
| 32 R 19219 | ＊ $80-51$ |  | Female cable plug | 78 |
| 32R19227 | ＊80－M1 |  | Mate cable jack | ． 76 |
| 32 R 19235 | ＊80－Cl |  | Male receptacle | ． 61 |
| 32R19243 | ＋80－MC2F1 | ， | Female cable plug | ． 8.5 |
| 32 R 19250 | \＄80 MC2M1 | 6 | Male cable jack | ． 80 |
| 32 R 19268 | ＋80．PC2M | H | Male recepfacle | ． 66 |

75－CCC1－Cap and chain，used for 75 and 80 serles seals open Chassis against dirt and dust．Shpg．wt．， 302. 32 R 19276
1.49 ea．． 4750.99 ea．． 40

MINIATURE PLUGS AND SOCRETS


Usabie with 91－MPM，91－MPF and 78－PCG miniature connectors．Supplied with push－on retalner rings．Need st＂hole．Av．T Type is MICA filled，Shpg．wt．， 3 oz．

| Stock No． | Socket Type | No． Contacts | Wet Ea． |
| :---: | :---: | :---: | :---: |
| 32 月 19631 | 78－S3S | 3 | ． 15 |
| 32 R 19649 | 78.545 | － 4 | ． 22 |
| 32 R 19656 | 78－55S | 5 | ． 23 |
| 32 R 19664 | 78－56S | 6 | ． 24 |
|  | Plug <br> Type | No． Contacts | Met Ea． |
| 32 月 19698 $^{\text {a }}$ | 71.3 S | 3 | ． 16 |
| 32 R 19706 | 71－45 | 4 | ． 19 |
| 32 R 19714 | 71.55 | 5 | ． 20 |
| 32 R 19722 | 71.65 | 6 | ． 24 |

## LAFAYETIE MINIATURE MICROPHONE COPNECTORS <br> A

（A）Microphone plug for CB and Amateur uses．Precision engineered and sturdily constructed．Plug takes any 4 conductor（or 3 conductor with shieid）coiled cord or straight cable．Features threaded retaining ring for positive locking．Integral cable retaining clamp ellminates shorts and open connections due to cable strain．Polarizing keyway insures easy，properly orientated fit．May be used for any low voltage plug－In clicuitry applications．Imported．Sizes： $11 / 4 \mathrm{~L}$ $x 1 / 夕^{*}$ Dia．Shpg．Wt．， 302.

## S9 R 62630

Net 1.45
（B）Microphone Chassis Socket．Mounts on equipment chassis or panel and mates with $99-62630$ plug（shown above）．Size $7 / 4 \times \%$＂ Dla．Requires st＂mounting hoie．Imported． Shpg．wt．， 3 oz.
99 R 6264 ：
Net .89

Shielded cap and rubber grommet－enc open－ ing．Consist of＂S＂iype fube sockets and ＂CP＂plugs with hoods．Avg．shpg．wi．， 302.

| Stock Mo． | Femaie Type cont． | Wet Ea． |
| :---: | :---: | :---: |
| 32 R 19730 | 78．PF4 4 | ． 50 |
| 32 R 19748 | 78－PF5 5 | ． 52 |
| 32 R 19755 | 78－PF6 6 | ． 54 |
| 32 R 19763 | 78. PF7S 75 | ． 56 |
| 32 R 19771 | 78－PF8 8 | ． 50 |
| 32 R 19789 | 78－PF9 9 | ． 53 |
| 32 R 19797 | $78-\mathrm{PF} 1111$ | ． 58 |
| Stock No． | $\begin{aligned} & \text { Mate } \\ & \text { Type Cont. } \end{aligned}$ | Wet Ea． |
| 32 R 19805 | 86．PM4 | ． 55 |
| 32 R 19813 | 86．PM5 5 | ． 55 |
| 32 R 19821 | $86-$ PM6 6 | ． 57 |
| 32 R 19839 | 86－PM7S 75 | ． 58 |
| 32 R 19847 | 86．PM8 8 | ． 57 |
| 32 R 19854 | 86－PM9 9 | ． 58 |
| 32 R 19862 | 86－PM11 11 | ． 59 |
| 32 R 19870 | 86－PM12 12 | ． 60 |

AMPHENOL TYPE 79－CC4 Cable－clamp used with above connectors to relieve strain on soldered connections．Wi．， 2 oz．

| Stoci No． | M1g． <br> No． | NetE2 |
| :---: | :---: | :---: |
| 32 R 19896 | 79－CC4 | .09 |

## POPULAR MIKE CONNECTORS



（A）

Standard single contact，cord mounted， nichel plated brass，hnurl grips，5／8＂－27 thread．Shpg．wt．， 3 oz．
32 R 64173 female connector Fis．A Net 39 32 月 64181 Male connector Fig．B Net 30

MINIATURE SHIELDED CONHECTORS $x=A \quad A$
Molded bakelite cad．plated brass shells，for cables up to $1 / 4^{\prime \prime \prime}$ Diam．PCG series take $7 / 0^{\prime \prime}$ hole．Suffix＂L＂indicates long－1310＂；＂S＂


Fis． －Maie

|  | F18．－Mate |  |
| :---: | :---: | :---: |
| Stoch No． | Type Cont． | Net．Ea． |
| 32 R 19490 | 91 MPM3L 3 | .42 |
| 32 R 19508 | 91－MPM3S 3 | .42 |
| 32 R 19516 | 91－MPM4L 4 | ． 47 |
| 32 R 19524 | 91－MPM4S 4 | 47 |
| 32 R 19532 | 91－MPM5L 5 | ． 49 |
| 32 R 19540 | 91－MPM6L 6 | ． 48 |
| Fig． 8 Femate |  |  |
| 32 R 19557 | 91－MPF3L 3 | ． 51 |
| 32 R 19565 | 91 MPF3S 3 | ． 50 |
| 32 R 19573 | 91－MPF4L 4 | ． 55 |
| 32 R 19581 | 91．MPF4S 4 | ． 53 |
| Fig． C | Chassis Connectors for Above |  |
|  |  | Het Ea |
| 32 R 19599 | 78－PCG－3 3 | ． 50 |
| 32 \＆ 29607 | 78－PCG－4 | ． 59 |
| 32 R 19615 | 78－PCG－5 5 | ． 62. |
| 32 R 19623 | 78－PCG－6 6 | ． 63 |

## MIKE ACCESSORIES



329 Switcheraft microphone volume Control Adapter．Reduce or increase volume at the mike．For high impedance circuits using shielded single conductor cable onty
34 R 60078 Shpg．wt．， 2 oz．．．．．Net 4.29 Amphenol Mike Switch．Attach between male and female of 75 series connectors．Push－to－ tall with loch．Shpg．wt． 3 oz ．
Amphenol 75－MCIS
32 R 19946
Net 2.49
＂T＂，Connector．Has 2 males and 1 female． 33 R 89012 Shpg．wt．， 3 oz．．．．．Net 1.26

# Plugs - Jacks - Binding Posts 



INSULATED PLUGS
Fig. A. Insulated Tip Pieg. Heavy duty. Solder type. $1^{\prime \prime}$ handle. $26^{" \prime}$ overail. 32 R 64645 Red............. Net Ea. 17 32 R 64652 Black......... 10 For 1.61 Fic. B. Insulated Solderless Tip Plug. 1" handle. $2^{\prime \prime}$ length overall. 32 R 64660 Red. $\qquad$ Net Ea. . 17 32 R 64678 Black $\qquad$ Fig. C. Insulated Short Tip Plug Solder type. ${ }^{1 "}$ handle. $11 / 10^{\prime \prime}$ overall length.
32 R 64686 Red $\qquad$ ck. 32 R. 64694 Black
Fig. D. Insulated Banana Flug. Spring type. Internal set screw for solcering. 1" handle. 11/10 length overall. Phosphorbronze.
32 R 64702 Red..... Net Ea. 30 32 R 64710 Black............. 10 For 2.85 Fig. E. Solderless Insulated Banana Plug. Spring type. $1^{\text {m }}$ handle. $\mathbf{1}^{11 / 0^{\prime \prime}}$ overall. 32 R 64728 Red........... Net Ea. 25 32 R 64736 Black.......... 10 For 2.37 Fis. Folderless insulated Banana Plug. Split type. 1" handle. 1\% overall.
32 R 64744 Red..... Net Ea. 20 32 R 64751 Black........ 10 For 1.90
FIg. G. Insulated Banana Plug. Spring type. $1^{\text {co }}$ handle, $134^{-}$overall. Solder type. 32 R 64769 Red.................... Ea. 25
32 R 64777 Black....... 10 For 2.37
Fig. H. Molded Meter Barrana Plug.
32 R 64785 Red ....... Net Ea. . 40 32 R 64793 Black......... 10 For 3.80 Fig. J. Molded Meter Tip PTug.
32 R 64801 Red............... Net Ea. 30 32 R 64819 Black......... 10 For 2.85 fig. K. Insulated Spade lug. 3/4" handle. 15\%" length overall.
32 R 64827 Red
32 R 64835 Black.


Net Ea. 18 10 For 1.71

## SMITH DUAL BANANA PLUG



No. 210 moulded polystyrene dual binding post with brass nickel plated plugs on $1 / 4^{\prime \prime}$ centers. Mates with standard binding posts. Polarity indicated on top and side. Wire held by Internal set screw. May be stacked. Shpg. wt., $3 \mathbf{0 z}$.
32 R 65055 Black
Net:72

## SMITH TEST PRODS

Brass, nickel plated plugs mounted in $4^{\prime \prime}$ molded butyrate handles. Shpg. wt., 2 oz .

[^13]
## INSULATED JACKS

Fig. L. Phone Tlp or Banana Plug. Mounts in 5/16" hole
32 R 64843 Red.
Net Ea. .20
32 R 64850 Elack
10 For 1.90
Fig. M. 5-way Binding Post. Takes phone tips, banana plugs, spade lugs, alligator $\mathrm{clip}_{2}$ wire. All insulated type.
32 R 64868 Red 32 R 64876 Black...........) Nef Ea. 10 For 4.27

Net Ea. . 45
Fig. N. Nylon All Insulated Tip Jack. 1" overall. Mounts In $3 / 8^{\prime \prime}$ hole.
32 R 64884 Red
ack.
Net Ea. .20
Th. P. insulated
FIg. P. Insulated Tip Jack. $11 / 4^{\prime \prime}$ overall length. Mounts in $5 / 16^{\circ}$ hole.
32 R 64900 Red......... ) Net Ea. 15 32 R 64918 Black........... 10 For 1.42
FIg. Q. Nyion Insulated Tip Jack. With nyion washer. 1" overall length. Mounts in 5/16" hole.
32 R 64926 Red Net Ea. 27 32 R 64934 Black 10 For 2.56

Fig. R. Insulated Banana Jack, 21/32" overall iength, Mounts in $5 / 16^{\circ}$ hole.
32 R 64942 Red ….... Net Ea. . 15
32 R 64959 Black ......... 10 For 1.42
Fig. S. Instrument Banana Jack. 27/32" overz all length. Mounts in $5 / 16^{*}$ hole.
32 R 64967 Red............. Net Ea. . 18 32 R 64975 Red...

Fig. T. Nyion Insulated Banane Jack. With mylon washer. Overall length $53 / 64^{\text {n }}$. Mounts in $5 / 16^{\prime \prime}$ hole.
32 R 64983 Red
32 R 64991 Black
Net Ea. . 25

## SMITH

"SPEEDI-MOUNT" JACKS


Unusual dished lockwasher permits fast as. sembly. Teeth embed into jach and panels, prevents puiling out and turning. Mounts in tio" hole in panels up to $\boldsymbol{K}_{0}{ }^{*}$ thick. Shpg. wt. 202.
No. 279 Accepts Tip Jacks


## KIT OF 10 5-WAY BINDING POSTS

- For Banana Plug
- For Phone Tip Plug
- For Spade Lug
- For Alligator Clip


For panels $K "^{* \prime}$ to $1 / 4^{\prime \prime}$ thick. Assortment of 10 pieces. 5 Red and 5 Black. Imported. Shpg. wt, 402.
99 R 62333 Blinding Post Kit .. Net 1.09

[^14]METAL JACKS
Fig. U. Mefal Tip Jack. Mounts in $1 / 4^{\sim}$ hole. 32 R 64371 Net ea. . 15 10 for 1.35 100 For 12.50
Fig. V. Metal Banana Jack. Mounts in $1 / 4^{-}$ hole.
32 R 64389
Netea.
2.15

10 for 1.35 100 For 12.50
Fig. W. Metal Banana Jack Mounts In 1/4** hole.
32 R 64397
Net ea. $\quad .15$
10 for 1.35
100 For 12.50
Flg. $\mathrm{X}_{\mathrm{K}}$ Solderless Phone Tip. $\mathrm{Sr} .13 / \mathrm{c}^{\prime \prime}$ long.
32 R 64405
Net ea. .15
10 for 1,35
100 For 12.50

## NON-INSULATED PLUGS

Fig. Y. Solderless Phone Tip. Jr. 11/4" long. 32 R 64413

Net ea 15
10 for 1.35
100 For 12.50
Fig. 2. Banana Plug. Spring type. 17/8" overall. $6-32 \times 1 / 2^{\prime \prime}$ stud.
32 R 64421 $\qquad$ Net ea, 25
Fig. AA. Banana Plug. Spring type. Screw in head. 1 $1 y_{3}$ " overall.
32 R 64439. $\qquad$ Net ea. 2.25
100 For 22.00
10 for 2.37 Fig. B8. Banana Plug. Spring type. $144^{\text {" }}$ over. all. $6.31 / 6^{-}$stud.
32 R 64477.
Net ea. 25
10 for 2.37
100 For 22.00
Fig. CC. Banana Plug. Spllt type. $11 /{ }^{\prime \prime}$ overall. $6-32 \times 1 / 2^{\prime \prime}$ stud.
32 R 64454
Net ea. . 17
10 for 1.61
100 For 15.30

## ULTRA MINIATURE PLUG \& JACK

Plug is $1 \mathrm{~K}{ }^{\prime \prime}$ " overalt. Pin Dia. $y_{2}{ }^{\prime \prime}$, Jack mounts on panels up to thick. Requires $\delta_{a^{\prime \prime}} \mathrm{mtg}$. hole. Extends "192" behind panel. 3 circuit jack can be used open or closed. Shipg. wt., 2 oz imported.
99 R 63141
Net .30

## LAFAYETTE JUMBO <br> 5-WAY BINDING POSTS 29 ${ }^{\circ}$



This versatile binding post- is designed to accept spade lugs, phone tip lugs or wire which is held firmly in place by tightening down the head. Adequate room is allowed for connections with alligator plugs. Banana plugs will firmly seat in the top mounting hole. May be mounted in panels from Ka" to $/$ en $^{*}$ thlckness. Sturdily made with non-removable head piece. imported. Shpg. wt., 2 oz.
99 R 61202 Black
Net .29
99 R 61210 Red
Net 29

## LAFAYETTE Plugs And Jacks



Phone plugs for a wide variety of applica: tions with choice of handle sizes and materials. All sleeves fit standard $1 / 4^{\prime \prime}$ phone jacks. Avg. shpe. wt., 3 oz.
FIG. A. SLIM PHONE PLUG Smooth bakelite handle. Solder terminals with cable clamp. imported.
99 R 5218
Net . 30 ea. - 10 for 2.50 Fig. b. baratl phone plug ribbed plastic barrel handle. Screw terminals. Imported. 99 R 52234 Net 35 ea. - 10 for 2.89 FIC. C. SHIELD SLIM PLUG Ribbed chromed metal handle. Solder terminal with cable clamp. Imported.
99 ค 62150 Ne1. 49 ea. - 10 for 4.19
Fig. D. Phone TO Phono PLUG madter. adapts from standard phone plug to RCA type phono plug. Overall length $2 \% x^{2 / 2 "}$ diameter. imported.

## 99 R 62168

## STANDARD LAFAYETTE PHONE JACKS FOR 1/4" PLUGS



FIG. E. OPEN CIRCUIT JACE Standard open circuit phone pack. $3 / /^{\prime \prime}$ bushing. $1 / 2^{\prime \prime}$ long. Complete with mounting hardware. Imported. 99 ค $62135 \ldots$ Net 30 ea. - 5 for 1.29 FIC. E. CLOSED CIRCUIT JACR Same as above but closed-circuit phone jack. Imported. 99 R 62226 Net 30 ea. - 5 for 1.2 FIG. F. EXTENSION CABLE JACK FIt standard $1 / 4^{\prime \prime}$ phone plug. Screw terminals. Barrel plastic handle matches Barrel plug above. Imported. Shpg, wt. 3 oz.
99 R 62143 ….......... 39 ea - 3 for .99

## PHONO PLUGS AND JACKS



0
(A) Single Prong Shieided Plur-RCA type. used extensively for mike, phono, etc. Shpg. wt. 302.
32 ค 64579
.10 for 56 singly, ea. 07 (B) Phone Jxel - Accepts RCA type phono plug. Mounts in rear of panel. Shpg. wt., 3 OZ.
32 R 6458. $\quad 10$ for .79 singly, ea. 09 (c) Finger grip plug - Phone plug with finger grip. Wt., 202.
32 i $78173 \quad . \quad 10$ for .90 singly, ea. . 10 (D) Feed Thru - Accepts male phono plug at both ends. Shpg. wt., 307.
32 R 52012
LAFAYETTE FLAT PHONE

## PLUG

Two conductor all metal phone plus for standard $1 / 4^{\prime \prime}$ jack. body only \%os $_{0}$ " thick. shtelding crimps to body, center lead to solder terminal. Imported. Shpg, wt. $20 z$.

| 29 OR. |
| :--- |
| 927 |

Net ea. . 45

## PHONO PIN JACK <br> SINGLE HOLE MOUNTING

RCA type female input jack. Mounts securely in single $4 \mathbf{k m}^{*}$ hole by means of locknut on jack. Screws, nuts and washers unnecessary. Imported. Shpg. wt., 3 oz .
99 R 62341
4 for .as Singly ea. 25

## ULTRA MINIATURE PLUG \& JACK

Plug is "为" overall. Pin Dia. 婎". Jach mounts on panels up to $\mathrm{F}_{\mathrm{a}}$ thich. Requires $5 / 30^{\circ \prime}$ mtg. hole. Ey. tends $11 / 4{ }^{\prime \prime}$ behind panel. 3 circutt jack can be used open or closed. Shpg. wt., 2 oz. Imported. 99 R 63141

Net. 30
SUB-MINIATURE


## PLUG ADAPTER

- Provides Extra Earphone Jack for Transistor Radios


## $79^{\text {c }}$

A sub-miniature combination plug and jack designed for most transistor radios with earphone jacks. Just plug it in and you have 2 jacks for earphones, speakers, efc.-can be used in instruments provided with $1 / s^{\prime \prime}$ Dia. earphone jack. Overall size: $21 / 4 x^{11} / 4^{2}$ $3 / 4$ "D. Shpg. wt. 2 or. Imported.
99 R 63109
Net 79


Sub-miniature "phone plug" and jack. Only $1^{\prime \prime}$ long $x 1 / 4^{\prime \prime}$ diameter, overall. Pin Dia. $1 / /^{\prime \prime}$. Excellent lor transistor and subminiature apolications. Plug has removable steeve. lack can be mounted on panel up to $\mathrm{K}_{0}{ }^{\prime \prime}$ thick. jack can be used for both open and closed circuits. Imported, 302.
99862101 Plug
Net .25 99 R 62119 Jack

Net .23


Brass nickel-plated adapter. Mas standard phone jack on one end to talue regular phone plug. and RCA-type phono plug on other end. Has threaded bushing with nut and washer so can be panel mounted if desired. Imported. Shpg. wt. 308.
99 R 62309
Net 79
HEAVY SHIELDED PHONE (A) PLUGS AND JACKS
(B)
(A) Sturdy, heavy bass, nickel-plated phone plugs with screw terminal connections. Threaded insulated cable outlet may be removed for larger cables to pass through. Body dia, $3 / k^{\prime \prime}$. Pin Oia. $y^{\prime \prime}$, overall length $31 / 4$ ". Shps. wit, 3 or. imported.
94 62291 Plug Net ea. . 6410 for 5.50 (8) Matching in-line phone Jack, same construction as plug. Ovesall length $\mathbf{2}^{\prime \prime}$. Imported 59 R 62283 Jack......Net ea., 5910 for 5.30

## ALL SHIELDED <br> PHONO PLUG AND JACK

 (A)(B)
(A) Removable Shell for easy soldering of wires. Positive ground connection through unique ground lug reduces ham to a minimum. Extra long handle makes removal from amplifier a snap. Completely shielded in bright nickel plate on brass body and shell. Fits all RCA type jacks. 1x." long. Imported. Shpa. Wt., 202.
99 स $62390^{\circ}$
Net .25
(B) Extension Cable Jack for use with above or any other type phono plug. Imported. Shpg. Wto 202.
99 \& 62408
3 CONDUCTOR PHONE
$\begin{array}{lll}\text { (A) PLUG \& JACK }\end{array}$

(A) 3 Conductor Phone Plug $1 / 4^{*}$ Dla, Black Batelite Handle. Solder lugs. Imported. 99 © 61194 ShDr, wt., $202 . . . . . . .$. Net .A (B) 3 Conductor Phone Jack, Open Circuit. imported.
9s 6ttie6 Shpg. wl.. 2 ox. Net....... N

## 3-CONDUCTOR

 PLUG AND JACK SET

A finely buift 3 -conductor plug and jack set. Uniquely made so that jack can be used as normally open although one circuit may be used as mormally closed. Heavy gauge construct'on. Plug $17 \mathrm{~K}^{\prime \prime}$ overall. Jack mounts in $x_{0}{ }^{\prime \prime}$ hole in panels up to $1 / 0^{\prime \prime}$ thich. Pin Dia, 34 . Imported. Shpg, wt., 2 oz. 99R E3281

Net 69
KIT OF 10 COLOR CODED PHONO PLUGS


Kit contains 10 RCA-type phono plugs in assorted colors-Blach. Red, Yellow, Blue, and White. Plastic shell with finger grip. Plugs are semi-solderiess type-need only spot solder at tip. Fit standard RCA type phono jacks. Imported. Shpg. wt., 3 oz. 99 R 63273


Set consists of two phono male plugs and a dual female socket. Excellent for such dual signal applications as stereo equipment. Sturdy solder contacts are used throughout construction. Shog. Wt., 3 oz. 99 R 63307

# Plugs - Jacks - Connectors 



## SWITCHCRAFT 3 CONDUCTOR FLAT PHONE PLUGS

$1 /{ }^{\prime \prime}$ flat phone plugs with removable plastic cap for easy connection of wire leads. Ideal for use where space is lim. ifed. Tip rods are $1 K_{4}{ }^{\prime \prime}$ long. All metallic parts are of nickel plated brass. All paugs have screw type terminals except \#238 which is solder type. Shpg. wt.,

| Stock No. | Mfr. No. | Fig. | Coler | Net Each |
| :--- | :---: | :---: | :---: | :---: |
| 34R 60391 | 230 | A | Black | 1.02 |
| 34 R 60409 | S-230 | A | Black | 1.29 |
| 34 R 60417 | 235 | A | Red | 1.02 |
| 34 R 60425 | 238 | B | Metal | 1.08 |

## SWITCHCRAFT "UTTEL PLUGS" ANO JACKS


" 1 IITTEL-PLUGS" PHONE PLEGS-Compact quality plugs. Fits standard $1 / a^{\prime \prime}$ phone jacks except " with .206 diam. sleeve and $t$ with short steeve for Revere recorders. In plastic handle or with brass nickel plated shells for shisiding. Solder terminal has built-in cable


| Stock No. | Type | Fig. | Cond. | Mandie | Terminals | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 60128 | 240 | A | 2 | Black | Screw |  |
| 34 R 60136 | 245 | A | 2 | Red | Screw | . 57 |
| 34 R 60144 | 250 | A | 2 | Black | Solder | . 54 |
| 34 R 60151 | S.250* | A | 2 | Black | Solder | . 57 |
| 34 R 60169 | 255 | A | 2 | Red | Solder | . 54 |
| 34 R 60177 | 260 | A | 3 | Black | Screw | . 94 |
| 34 R 60185 | 267 | A | 3 | Black | Solder | . 81 |
| 34 R 60193 | 280 | B | 2 | Metal | Solder | . 78 |
| 34 R 60201 | S-280* | B | 2 | Metal | Solder | . 78 |
| 34 R 60219 | R-280 $\dagger$ | B | 2 | Metal | Solder | . 78 |
| 34 ? 60227 | 297 | B |  | Metal | Solder | . 99 |

"LITTELJAX" PHONE JACK: (Fig. C) Accept standard $y / 4$ " phono plugs, except " with $210^{\prime \prime}$ J.D. sleeve and t mates with 480 Mil type "Littel.Plug." Abbrs.: SCC-single closed ckt; OC-open ckt. $3 / 4^{\prime \prime}$ dia., $1 \%_{3}{ }^{\prime \prime}$ overall; $3 / \mathbf{a}^{\prime \prime}$ dia. threaded shank, \% ${ }_{2}{ }^{\prime \prime}$ long. Av, shpg. wt., 202.

| Stock No. | Type | Schematic Cond. | CKT. | Jan Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 60235 | 11 | 2 | OC | - | . 35 |
| 34 R 60243 | C. 11 | 2 | OC | J1.034 | . 48 |
| 34 R 60250 | S-11* | 2 | OC | J.034 | . 36 |
| 34R 60268 | 12A | 1) 2 | SCC | 二 | . 36 |
| 34R 60276 | C-12A | i) 2 | SCC | 11.089 | . 57 |
| 34 R 60284 | 128 | 1113 | 0 C | 10.089 | . 42 |
| 34 R 60292 | C-128 ${ }^{\text {+ }}$ | III 3 | OC | J.033 | . 57 |
| 34 R 60390 | 138 | IV 3 | SCC | J-033 | . 67 |

"TINI-PLUGS" SUBMINAATLRE PHONE PLUGS. 2-conductor phone plugs for use with "Tinl-Jax." Only $13 / 4$ " in length. In plastic or metal shielded handles. Pin Dla, $1 / 2^{\prime \prime}$. Shpg. Wt., 2 oz.

| Stock No. | Type | Fig. | Handle | Terminals | Nel |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 60318 | 740 | 4 | Black | Screw | . 57 |
| 34 R 60326 | 745 | 4 | Red | Screw | . 57 |
| 34 R 60334 | 750 | 4 | Black | Solder | . 54 |
| 34 R 60342 | 755 | A | Hed | Solder | . 54 |
| 34 R 60359 | 770 | 8 | Metal | Screw | . 78 |
| 34 R 60367 | 780 | B | Metal | Solder | . 78 |

"TINI-JAX" SUBMINIATURE PHONE JACKS (Fig. D) 2-conductor jacks for "Tini-Plugs." Only ${ }^{21 / 32 "}$ long. Abbrs.: OC-open Ckt.; CC-closed Cht. Av. shpg. wt., 2 oz.

| Stock No. | Type | Schematic | CET. | I |
| :---: | :---: | :---: | :---: | :---: |
| 34 R 60375 | 41 | 1 | OC | 33 |
| 34只60383 | 42 A | 11 | CC | 36 |
| "TINI-EXTENSION JAX" (FF, E) An extension or cable lack to mate with "Tini-Plugs". Two conductor with metal housing for ruggedness and electrical shielding. Solder lug terminals. Shpg. |  |  |  |  |
| Stock No. | Type | Fig. Cond. | Terminals | Net |
| 34 R 60458 | 125 | E 2 | Solder | 90 |

# Replacement Speakers and Baffles 



LAFAYETTE ECONOMY－LINE PM SPEAKER
Top quality replacement speakers．Selected for universal application rugged construction－standard configurations．Ah have 3.2 ohm voice coils．Made in U．S．A．encept 99 Series are imported．

| Stach No． | Sire | Shape | Mat Wi． | Peal Watts | Smpe． Wt． | Netsa． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 年 626婁 | $4{ }^{* *}$ | Square | .6002. | 3.0 | V／2 | 1.49 |
| 99 R 62897 | $5{ }^{\circ}$ | P．C． | .6802. | 4.0 | $3 / 4$ | 1.79 |
| $32 \mathrm{R} 010 \pm 2$ | 547 | Oval | 1.002. | 5.0 | 1 | 2.69 |
| 32 R 01076 | $6 \times 9$ | Oval | 1.47 oz． | 7.0 | 112 | 1.19 |
| $32 \cap 01043$ | $6 \times 9^{\prime \prime}$ | Oval | 2.1502. | 8.0 | 114 | 3.69 |



Features famous MICROGAP prectsion in centering of voice coil． giving increased and uniform．sensilivity．All heavily cadmium plated rust proof construction．All with alnico $V$ magnets．Alt voice coils 34 ohms except $12^{\circ}$ is 8 ohms． 1 With provisions for mounting Irans former．

| Stect No． | Sixe－Shape | $\begin{aligned} & \text { Program } \\ & \text { Power } \\ & \text { Watts } \end{aligned}$ | M3\％ | Oz．Fig | Shag Wt． Lbs． | $\begin{aligned} & \text { Not } \\ & \text { Ea } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 R 49141 | 533 OVAL | 4 | 55 | D | ＊ | 2.34 |
| 32 R 49018 | $31 / 2^{*}$ SQUARE | 3 | ． 68 | ， | 1／2 | 2.31 |
| 32 R 49026 t | $4^{*}$ SQuare | 5 | 1.2 | ， | 1／2 | 2.70 |
| 32 п 49034 | $4 \times 6$ OVAL | 5 | 1.2 | D | $3 / 4$ | 3.25 |
| 32 R 49042 $\dagger$ | $5^{\prime \prime}$ P．C． | 5.5 | 1.2 | B | 3／4 | 2.99 |
| 32 R 49435 | $6^{\prime \prime}$ P．C． | 6 | ． 68 | 8 | 1 | 3.15 |
| 32 149471 ¢ | $6^{\prime \prime}$ P．C． | 5.5 | 10 | ， | $13 / 4$ | 4.41 |
| 32 R 49067 | 6x9 OVAL | 10 | 3.16 | D | 13／4 | 5.42 |
| 32949463 | $8^{\prime \prime}$ P．C． | 8 | 1.47 | B | 112 | 3.81 |
| 32 ¢ $43975 \dagger$ | $8^{* \prime}$ ROUND | 10 | 3.16 | c | 13／4 | 5.73 |
| 32 R 49083 $\dagger$ | $12^{\circ}$ ROUND | 14 | 6.8 | C | $53 / 4$ | 6.73 |

## UTAH TAPE RECORDER SPEAKER

$5 \times 3^{\circ}$ oval．Rated 4 watts Program 3.2 ohm volice coll．
32 П 49141 5hpg．wt．，\＃it．
Mel 2.34

## UTAH INTERCOM SPEAKERS

Hight sensitiviry，espoce iasty designed tor＂talt：bact＂circuits，Ideal tor setective papine ystems．Use as speazer and microobone．Ail 45 ohm voice coil impedance．

| Stock Ma． | Stas－stima |  | Postis | T1． | 0．D． |  |  | Ne |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 R 45125 | 31／2＂SoUARE | ． 68 | 4 | A |  |  | 4 |  |
| 32 m 49133 | 4 －Sounat | ． 68 | 4 | 4 | 4 年＂ | 1\％ | 1／2 | 3.0 |



## MODERN SPEAKER BAFFLES

## AS LOW <br> AS <br> 

Well built plywood speather baffles for indoor pubtic address and paging systems，intercoms， extension speakers，etc．Friese－design grille cloth，modern walnut linish．Baffle for $5^{\prime \prime}$ speaker is $736^{\prime \prime}$ square；Depth at top $4344^{\prime \prime}$ ． Depth at bottom $23^{\prime \prime}$ ．For $\delta^{\prime \prime}$ speaker is $9^{-1}$ square；Depth at top $61 / 4^{-0}$ ． at bottom $4^{\prime \prime}$ ．For $12^{\prime \prime}$ speaker， $1^{\prime \prime}$ square；Depth at too $81 / 2^{\prime \prime}$ ．at bottom 423＂．

| Steck No． | Description | Wt．ins． | Singly Each | lots of 3 Each |
| :---: | :---: | :---: | :---: | :---: |
| 20 \＆ 13068 | For $5^{\prime \prime}$ or $6^{\prime \prime}$ | 11／2 | 3.59 | 3.23 |
| 20： 13076 | For ${ }^{\circ}$ | 13\％ | 3.95 | 3.55 |
| 20 R 13084 | For 12 | 3 | 5.5 | 5.19 |



## EXACT REPLACEMENT MAPPIATURE SPEAKERS

Quality Alnico PM speakers for replacement in transistor portable sets．Ideal for the experimenter．＂have mig．holes on $2^{-}$centers； $\dagger$ on $1 \%{ }^{\circ}{ }^{\circ}$ centers；OHMS is Volce coil impedance．Dimensions given are overall．Imported．

| Stoch No． | 5ig． | Diam， | Depth | Ohms | Wt． | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 59 ${ }^{\text {P } 50352 \dagger}$ | A | 14＊ | 100 | 10 | 501. | ． 93 |
| 99 R 60360 | C | 2 － | ＂10＂ | 8 | 301. | ． 99 |
| 59 R 6037 | C | 21／${ }^{\circ}$ | 110 | 8 | 302. | ． 99 |
| 99 R 60s72＊ | 8 | $21 /{ }^{\circ}$ | 114＂ | 10 | 502. | ． 99 |
| 99 R 60329 | E | $3^{\circ}$ | 17\％＂ | 8 | 302. | 99 |

## LAFAYETTE SPEAKERS FOR CAR RADIOS AND TAPE PLAYERS

## SET OF 2 UNDER－DASH $3 \times 5^{\prime \prime}$

 MATCHING SPEAKER SYSTEMS2－3x5 wide－range ceramic speall－ ars mounted in plastic housings wilt mount under dash，under seats，on kick panels，doors．or rear package shelf．Includes all necessary cables and mounting hardware．Imported． Imp．， 8 ohms．Shpg．Wt．， $21 / 2$ tos． 99 R＇ 62994 ．．．．．．．．．．．．．．．．．．．Net 6.95

## CUSTOM IN－DOOR SET OF 4 SPEAKERS

Get that full．rich stereo soumg from your car tape player．Ready for quick installation．Improves the sound and derformance of any car tape player．Kit includes： Four $43 / 4$＂extended range 8 － ohm PM speakers：four round ohm PM speakers：four round grills；all necessary hookup wire with solderless connectors： mounting hardware and easyto follow instructions．imported． Imp． 8 ahms．WL．， $31 / 2$ lbs．
 99 R 82881

## SET OF 2 DELUXE REAG DECK gaitching speaker systems

Set of two powerful $4^{* *}$ speakers mounted in handsome ebony plastic cabinets with silver trim．Specially deslgned to mount on car＇s rear deck．Can also be surface mounted any． where．Provides outstanding sound reproduc． tion．Includes all necessary cables and mounting hardware．Imported．Imp．， 8 ohms． 99 \％ 62986 Shpg．wh． 3 tos．．．．．．．．．．．Net 9.95


Frames constructed of plywood，front panels of acoustically correct particle board．Lecked corners for maximum strength．Attractive recessed $f r o n t$, beautiful walnut wood－grain tabric covering．Com－ glete with speaker mounting hardware．

| Stock Wo． | utatid He． | Fit |  | Hise | shes. | Nel |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20748122 | Sse－w | A | 8 | 14×152／2281／6 | 41／4 | \＄． 39 |
| 20 ¢ 41148 | CSA－W | B | $8^{\prime \prime}$ | 91／2 $\times 191 / 2 \times 1 / 4$ | 2 | 8.30 |
| 20 R 415 | CS12－W | B | $12^{\prime \prime}$ | $131 / 2 \times 131 / 2 \times 83 \%$ | 39 | 4.25 |

## 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 irent, rear, or both speakers; dial plate with mounting bracket, knob and hardware; chrome grille, wire and wiring instructions. Fades controlied kits are identical except in place of switch. a tader STOCK NO.

| $32 R 22098$ | $5 x 7$ | .68 | Switch | Tube | $13 / 4$ | 3.99 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $32 R 22072$ | $6 \times 9$ | .68 | Switch | Tube | $13 / 4$ | 4.39 |
| $32 R 22114$ | $6 \times 9$ | 2.15 | Fader | Tube | $11 / 4$ | 5.29 |
| $32 R 22023$ | $6 \times 9$ | 1.47 | Fader | Trans. | 2 | 5.69 |
| $32 R 22031$ | $6 " t$ | 1.47 | Fader | Trans. | $11 / 4$ | 4.79 |

is supplied which controls valume of both speakers simultaneously, gradually reducing volume on one while ncreasing volume on the other. Kits for transistorized auto radios 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,
$\dagger$ This kit for installation in autos with recess between seats in rear. No grille supplied.

## REPLACEMENT AUTO PM SPEAKERS

All have multi-impedance voice colls to match all transistor sets. Will match 40, 20, 8 ohms of less. Slimline design.


## UTAH AUTO SPEAKERS

A complete line of speakers of replacement for all types of auto sets including the new trarsistorized sets. Voice coll impedances where shown as "10/20/40" are 40 chm tapped useable for either impedance and are specially designed for transistor sets. indicates shallow type, only $21 /{ }^{1 / 8}$ deep.


## DELUXE SPEAKER GRILLES

Dress up original equipment or accessory speaker installations with a contemporary styled two-toned slatled speaker grille. Molded high impact black cycolac with

## CUSTOM 2-WAY


raised chrome bead and tuxurious black and chrome medallion, dress up speaker installations. With chrome bolts, nuts 5 y $7^{\prime \prime}$ Deluxe grille
32 R 57029 Wt. 6 oz . $\qquad$ Net 2.29
$6 \times 9{ }^{\prime \prime}$ Delune Grille

## 32 R 57003 Wt., 6 oz.

## SPEAKER GRILLES

 Handsome perforated metal grilles for rearseat speaker use or other installations. Avg. Shpg. wt., $3 / 4 \mathrm{lb}$.
## CHROME ERILLES

 Net 2.59

32 \% $340105 \times 7$ n


32 R $34028^{\circ}$ 6x9"
Net 1.09 Net 1.09 GRAY GRILLES (Nan-Reflecting)
32 R $340695 \times 7^{\prime \prime}$
32 R $340776 \times 9^{\prime \prime}$
$\qquad$

- 2 Net 98


## REAR SEAT SPEAKER CONTROLS



Controls come completely mounted on black and silver metal plate with ivory pointer knob plus attached wiring for connections to both speakers. With mounting hardware and instructions. Imported. Shpg. wt., 3 oz.

OVAL


This two-way $6 \times 9$ " auto speaber was spectally designed to satisfy the demand for the finer tone quality avaliable from modern FM car sadios and tape players. Now you can enjoy full quality reception in the rear seat of your car. It has a co-axlally mounted $3^{\prime \prime}$ iweeter for high frequencies, and matches $8,10,20$, or 40 ohm outputs for universal use. 6-oz ceramic magnet with power handing capacity of 10 watts. Complete with black deluxe moulded grille, fader control, hardware, wire, and illustrated Instructions. 32 R 49539 Shpg . wt. $31 / 4 \mathrm{lbs}$. .... Net 11.95

## FADER TYPE (FIg. A)

Controls the volume of both front and rear speakers. Gradually reduces the volume on one while increasing volume on the other. 32 R 22585

SWITCH TYPE (Fig A)
Gives choice of front speaker alone, rear speaker alone, or both together. 32 R 22577

Net Ea. . 69
PUSH-BUTION TYPE (FIG. B)
Just push a button to select front speaker alone, rear speaker alone, or both together. 32 R 22569

PAIR OF TRUSONIC DIE-CAST STEREO HI-FI SPEAKERS


The ultimate in automobile speakers. Trusonic Engineers have developed these fine $5^{\prime \prime}$ full range speakers to fit into your car doors or mount on rear deck. Each speaker features a rigld die cast frame, free cone suspension, full two pound ceramic magnet structure and a $1^{\text {" }}$ edge wound wire ribbon voice coil. Handles 12 full watts of power. This combination results in brilliant clean highs to $18,000 \mathrm{~Hz}$ and deep solld bass response down to 50 Hz . Kit is supplied complete with speakers, snap-on chrome plated grilles, mounting hardware, wire and instructions. Shpg. Wtas 8 lbs. Imp. 8 ohms. 32 R $4948{ }^{2} 2$ speaker kit

Net 29.95

## LaFAYETTE DELUXE AJTO STEREO SYSTEM



Set of deluxe heavy duty $51 / 4^{\prime \prime}$ speakers with 5.5 ounce ceramic magnets. High compliance, cloth roll suspension assures strong, ance, clotn rol suspension assures strong,
clean bass. Dual cones extend the highs. Fast easy installation. Two screws will fasten each speaker to the fire-wall, kick-panel, or under the seat. Comes complete with two speakers, cases, hardware, and illustrated instructions. Each speaker handles 10 watts of power. Shpg. wt., 3 lbs.
32 R 01977
Net 14.95
DUAL HLFI REAR-SEAT SPEAKER KIT


- Wocfer-Tweeter-Crossover


Multi-impedance voice coil, 10, 20 or 40 ohm, for all transistor and tube sets. "Universal" speaker It includes two Alnico $V$ units $5^{\circ}$ woofer and $3^{3}$ tweeter with electronic crossover network, fader control, chrome grille and baffle which fits regular $6 \times 9^{\circ \prime}$ cut-out; plus pre-wired, pre-soldered, 3 position switch.
32 R 49331 Shpg. wt., 2 lbs.
Net 8.95

## LAFAYEITE "YARY-MOUNT" SPEAKER FOR CAR RADIOS AND TAPE PLAYERS



Deluxe flush-mounting speaker with beautiful chrome Erill. Ideal for use as an auto speaker or anywhere shallow depth is required. Full range speaker has heavy magnet and offers outstanding sound quality. Can also be used as a ceiling or wall mount speaker In your home. Imp., 8 ohms. Overall dia.: $61 / 4^{\prime \prime}$. Imported. Wt., $13 / 4 \mathrm{lbs}$.
99 R 01794

# Mallory Controls 

## EXPLANATION OF MALLORY TAPERS

Taper No. 1-For audio or antenna shunt circuits.
Taper No. 2-For Series circcuits of cathode voltage controls.
Taper Wo. 4 Linear taper for voltage divider circuits.

## MALLORY MADGETROL



Carbon element Midgetrols are rated 1 watt linear or $\$ 2$ watt
 Shatt can be easily cut to any required length. Supplied with two shalts and knob adaptors for knurled and push-on-knobs, one Painut and instruction sheet. Shpg. wi., 402.

| Stock No. |  | 0. ${ }^{\text {ans }}$ | TW. | Stach | $\begin{aligned} & \mathrm{Mrg} \\ & \mathrm{Na} \text {. } \end{aligned}$ | Cums | Trr. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33-11107 | U-1 | 100 | 4 | 33 ¢ 11370 | U. 36 | 75K | 1 |
| 33 R 11115 | U-2 | 500 | 4 | 33 R 11388 | U-39 | 100K | 1 |
| 33 R 11511 | U-52R | 500 | 2 | 33 W 11396 | U-40 | 100K | 2 |
| 33 - 11123 | U-751R | 750 | 2 | 33 R 11404 | U-41 | 100x | 4 |
| 33-11131 | U.3 | 1K | 2 | 33 R 11412 | U-415 | 125K | 4 |
| 33 R 11149 | U-4 | 1K | 4 |  |  |  |  |
| 33 ¢ 11156 | U.5 | 1500 | 2 | 33 R 11420 | U-42 | 150k | 1 |
| 33 R 11164 | U-5t | 1500 | 4 | 33 R 11438 | U-43 | 200K | 4 |
| 33 ต 111172 | U-6 | 2K | 4 | 33 l 11485 | U-44 | 250K | 1 |
| 33 R 11180 | U.7 | 2500 | $\stackrel{2}{2}$ | 33 39 R 111453 | U-45 | 250 K 250 K | 2 |
| 33811198 | U-8 | 3K | 4 | 33 R 11461 | U-45 | 250k | 4 |
| 33 R 11206 | U.9 | 3k | 2 | 33 ¢ 11479 | U. 48 | 500 K | 1 |
| 33 R 11214 | U-12 | 5k | 1 | 33 C 11487 | U.50 | 500 K | 4 |
| 33911222 | U-14 | 5K | 4 | 33 R 11495 | L.51 | 750 K | 1 |
| 33 R 11230 | U-18 | 10x | 1 | 33 R 11503 | U. 52 | 1 Mes. | 2 |
| 33 R 11248 | U. 19 | 10K | 2 |  |  |  |  |
| 33 R 11255 | U-20 | 10K | 4 | 33 R 11529 | U. 53 | 1 Mes. | 1 |
| 33 ¢ 11263 | U-21 | 15K | 1 | 33 111537 | U.54 | 1 Meg . | 4 |
| 33 R 11271 | U-22 | 15K | 2 | 33 R 11545 | U-155 | 1.5 Meg | 1 |
| 33 R 11289 | U. 24 | 20K | 1 | 33 a 11552 | U. 55 U. 56 | 2 Mea. | 4 |
| 33 R 11297 | U.26 | 20x | 4 | 33 R 11560 | U-56 | 2 Meg. | 4 |
| 33 R 11305 | U. 28 | 25x | 2 | 33 R 11578 | U. 255 | 2.5 Meg. | 4 |
| 33 ¢ 11313 | U.28A | 25K | 1 | 33 m 11586 | U.57 | 3 Meg | 4 |
| $33 \mathrm{at1321}$ | U-29 | 25K | 4 | 33 R 11594 | U.59 | 3 Meg - | 2 |
| 33811339 | U. 30 | 301 | 4 | 33.11602 | U-63 | 5 Meg . | 1 |
| 33811347 | U-33 | 50K | 1 | 33 R 11610 | U-65 | 5 Meg. | 1 |
| 33 R 11354 | U. 34 | 50 K | 2 | 33 9 11628 | U. 67 | 5 Mez - | 4 |
| 33 111362 | U-35 | 50\% | 4 | 33 R $11636^{6}$ | U-82 | 10 Meg. | 14 |

Any of above
Singly Ea. 1.02

## SINGLE TAPPED MMOGETROLS

## Shpg. wt. 4 oz.

| Stock Ns . | $M E$ | Cumb | 70 | Steede |  | Cums | $\begin{array}{r} \mathrm{T} 2 p \\ \mathrm{At} \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 ¢ 11 cen | UT-153 | 15K | 10k | 33n 11743 | UT-438 | 1 Mer. | 300K |
| 33 R 11551 | U7.415 | 30k | 25K | 33 ค 117150 | UT.443 | 1 Mer. | 450K |
| 33 R 11569 | UT. 420 | 250k | 50k | 33R 11768 | UT-450 | 2 Mer. | 125k |
| 33 R 11677 | UT-421 | 250K | 150K | 33 ¢ 11776 | UT-448 | 2 Mes- | 250k |
| 33 \% 11585 | UT-425 | 350K | 708 | 33 R 11784 | UT-456 | 2 Mes. | 400k |
| 33*11693 | UT-429 | 500K | 50K | $33 \times 11792$ | UT-449 | 2 Mes. | 600K |
| 33 ¢ 11701 | UT-427 | 500N | 100k | 33 \& 11800 | UT-451 | 2 Mer. | 900k |
| 33 R 11715 | UT-430 | 500K | 150x | 33 ¢ 11818. | UT-457 | 3 Mer. | 900K |
| 33 R 11727 | UT. 431 | 500K | 225K | 33 R 11826 | UT-461 | 3.25 M . | 300K |
| 33 ¢ 11735 | UT-440 | 1 Meg. | 200k |  |  |  |  |

Any of above
Singly ea. Net 1.26

## DOUBLE TAPPED PAIDGETROLS

Shpg wh., 402.

| stoch Mo. |  | Pverall | Tap Mesistances <br> Tap 1 Tap 2 |  |
| :---: | :---: | :---: | :---: | :---: |
| 33811834 | UDT. 203 | 500K | 100K | 200K |
| 33 \% 11842 | UDT-2*9 | 1 Mes. | 250N | 500K |
| 33 R 11859 | UDT.291 | 1.5 mes. | 225k | 500K |
| 33 ¢ 11867 | U0T. 295 | 2.25 Mes. | 2504 | 500 N |
| 33 R 11875 | UDIT.296 | 2.25 Mes. | 500x | 1 Mer. |
| 33 R 1188 | U0T. 303 | 3.3 Met. | 300K | 1.5 Meg. |

## SU INSULATED SHAFT RIDGETRDLS FOR TV

$1 \%$ dia. carbon comtrols with $1 / \mu^{\prime \prime}$ dia. fixed knuried and slotted phenolic shafts. Shaft protrudes $1 / 4^{\prime \prime}$ beyond bushing. Linear taper. With hex nut. Shpe. Wi. 3 ot.

| Stoeh Na. | Mis. Me. | Cums | Steet Me. | Mem. Me. | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 12089 | 50-6 | 1500 | 33 R 12154 | 5U-46 | 250K |
| 33 -12097 | SU-8 | 34 | 33 - 12162 | \$U-50 | 500k |
| 33 Q 12105 | 54-14 | 5K | 33 R 12170 | SU-54 | 1 Men. |
| 33 R 12113 | 54-20 | 100 | 33 n 12188 | SU-56 | 2 Mea. |
| 33 9 12121 | SU-29 | 25x | 33 Q 12196 | SU-565 | 2.5 Meg. |
| 33.12139 | \$U-35 | 50x | 33 R 12204 | SU-59 | 3 Mez . |
| 33 . 12147 | \$U-41 | 100x | $\begin{aligned} & 33 R 12212 \\ & 33 \text { R } 12220 \end{aligned}$ | $\begin{aligned} & \text { SU-67 } \\ & \text { SU-69 } \end{aligned}$ | 5 Meq. 7.5 Meg . |

## AITACHABLE MIOGETROL SWITCHES



Midgetrol types U, UT and UDT-with dummy ter minal $t$ with Duilt-in switch/circuit breaker, breaks at 2.5 amps, resets by turning to "off" position ST types rated 6 amps $/ 125 \mathrm{~V}$. DT types rated 3 amps/ 125V. Shpg. wt., 302.

| Stock Me. | Mits. Mo. | Deseription | 1-24 | 25-49 |
| :---: | :---: | :---: | :---: | :---: |
| 33 n 11899 | US.26 | S.P.S.T. | 42 | 38 |
| 33 81.4884 | U58-29 | 5.P.S.T.t | . 51 |  |
| 33 R 11909 | U5-267 | S.P.S.T* | . 31 | . 46 |
| 33 R 11917 | US-27 | D.PS.I. | . 51 | .4 |
| 33 ¢ 11925 | US-28 | S.P.D.T. | . 53 | . 46 |
| $0 \square$ |  |  |  |  |
| EXTENSION SHATTS |  |  |  |  |

DS. 36
DS-37
DS-36 Extension Shaft $2^{23} / 4^{\prime \prime \prime}$ long $x 1 / 4^{\prime \prime}$ dia. For tubular shaft Mid and 2 -watt wire-wound controls. Shpg, wt., 302 . 33 R 11933 (DS-36) os- $37 \%_{0}$ " diameter shaft. For use with round shaft Midgetrols to accommodate knobs requiring $\mathrm{K}_{\mathrm{s}}$ shaft. Shpg. wt. $3 \mathbf{0 2}$. 33 R 11941(OS-37)

## PUSH-PULL CONTROLS

Carbon element controls with Push-Pull type SPST switch permanently attached. Switch rated 6 amps/125V. Ul listed. Rated 1 watt tinear or $1 / 2$ watt audio. Sire $1 / 40{ }^{\circ}$ dia with 2 long $~ \$ 1 / 4^{m}$ dia. shatt. No assortment for quantity prices. Shipg. Wt., 3 oz.

| Steck No. | Min. Now | Ohms T | Taper | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $1-24$ | 25-49 |
| 33 R 12808 | PP-13R | 1K | 1 | 1.35 | 1.22 |
| $33 \times 24820$ | PP-2524 | 2.5k | 1 | 1.35 | 1.12 |
| 33 R 14838 | PP-253R | 25K | 1 | 1.35 | 1.22 |
| 33. 14846 | PP-151 | 100K | 4 | 1.35 | 1.22 |
| 33 12816 | PP. 151 | 100K | 1 | 1.35 | 1.22 |
| 33 R 12824 | PP-25L | 200K | 4 | 1.35 | 1.22 |
| 33 R 12832 | PP-254A | 250K | 1 | 1.35 | 1.22 |
| 33 R 12840 | PP-55A | 500K | 1 | 1.35 | 1.22 |
| 33 R 12857 | PP-55L | 500K | 4 | 1.35 | 1.21 |
| 33 R 12865 | PP-16A | 1 Meg. | 1 | 1.35 | 1.22 |
| 33812973 | PP-16L | 1 Meg. | 4 | 1.35 | 1.22 |
| 33 R 12881 | Prol55L | 1.5 Meg | 4 | 1.35 | 1.22 |
| 33. 12899 | Pp-26A | 2 Mes. | 1 | 1.35 | 1.28 |
| 33 R 14853 | PP-36L | 3 Meg. | 4 | 1.35 | 1.21 |
| 33 \& 12907 | PP. 561 | 5 Mes. | 4 | 1.35 | 1.22 |
| TAPPED TYPES |  |  | Taper | Mel Each |  |
| Stock No. | Ohms | Tapped @ |  | 1-24 | 25.49 |
| 33 界12915 | 250K | 100K-150K | 4 | 1.59 | 1.43 |
| 33 . 12923 | 500x | 200K | 4 | 1.59 | 1.43 |
| 33 R 12931 | 500K | 78K-168K | , | 1.59 | 1.43 |
| 33 ¢ 12949 | 500K | 250K | 1 | 1.59 | 1.43 |
| 33 R 12956 | 1 Mex. | 500K | 2 | 1.59 | 1.43 |
| 33 R 12964 | 1 Meg. | 100K | 1 | 1.59 | 1.43 |
| $33 \text { ः } 12912$ |  | $200 \mathrm{~K}$ |  | 1.59 |  |
| 33 ค 12380 | 1 Meg. | 250k500x | 4 | 1.59 | 1.43 |
| 33 ¢ 12998 | 2 Meg. | $500 \mathrm{~K}-1 \mathrm{Meg}$. | 1 | 1.59 | 1.43 |
| 33 R 13012 | 2 Meg. | 1 Mes. | 4 | 1.59 | 1.43 |
| 33 R 13020 | 3 Mes. | 1 Meg. 2 Meg | . 4 | 1.59 | 1.43 |
| 33 A 1303 a | 4 Meg . | 2 Meg. | 4 | 1.59 | 1.43 |

## Mallory Controls

## MALLORY PRINTED CIRCUIT MINITROLS



Carbon transistor controls，all tinear taper， rated $1 / a$ watt．giameter $1 / z^{\prime \prime}$ ．No shaft，ali open screwdriver slot adjustment． $1 / 4^{n}-32$ bushing．Choice of horizontal or vertical mount．Shpg．wh． 3 oz ．
Type MTC－1
Type MTC－4

| Res． Ohm | Steck H Vert．Mit． | Stock Mo． Meriz． Im ． |
| :---: | :---: | :---: |
| 100 | 33R16379 | 33 F 16550 |
| 200 | 33 R 16387 | 33 R 160．68 |
| 250 | 33 R 16395 | 33 R 16476 |
| 300 | 33 R 16403 | 33R 16484 |
| 500 | 33 R 16411 | 33 R 16422 |
| 750 | 33 R 16429 | 33 R 16700 |
| 1000 | 33 R 16437 | 33 R 16718 |
| 1500 | 33 R 16445 | 33 R． 16726 |
| 2000 | 33 R 16452 | 33 R 16744 |
| 3000 | 33 R 16460 | 33 R 16742 |
| 5000 | 33 R 16478 | 33 R 16759 |
| 6000 | 33 R 16486 | 33 R 16767 |
| 6800 | 33 R 16494 | 33 R 16775 |
| 10000 | 33 ¢ 16502 | 33月16783 |


|  | Res． 0 |
| :---: | :---: |
|  | 15k |
|  | 20k |
|  | 25k |
|  | 50K |
|  | 100K |
|  | 120K |
|  | 180K |
|  | 250 K |
|  | 325 K |
|  | 450 K |
|  | 500k |
| 1 | MEG |
| 2 | MEG |
| 3.5 | MEG | Any of above

> | Stect Mo． | $\begin{array}{l}\text { Stock No } \\ \text { Vert．Mt．}\end{array}$ |
| :--- | :--- |
| Horiz．Mt |  | Vert．Mt．$\frac{\text { Horiz．Mt．}}{33 R 18510}$ 33 A 15528 33 R 16791 $\begin{array}{lllllll}33 & \text { R } & 15528 & 33 & R & 16809 \\ 33 & \text { R } & 16536 & 33 & R & 16817\end{array}$ 33 R 15544 33 R 16825 33 R 16551 33 R 16833 33 R 16569 33 R 16841 33 R 16577 33 R 16858 250K 33 R 16585 33 R 16866 325 K 33 R 16593．33 R 16874 450K 33 R 16601 33 R 16882 33 R 16619 33 R 16890 33 R 16627 33 R 16908 MEG 33 R 16635 33 R 16916 3．5 MEG 33 R 16643 33 R 16924

## WIRE WOUND SENSITIVITY CONTROLS



For AGC，hum－balancing，lenearity，etc． $3 / 4^{\prime \prime}$ diam．Fer conversion from cross－slot adjustmen：to shaft，use shafts listed below． Shpg．wt．， 3 or．

MR－F 3－WATT FLANGE MOUNT
Mounting ears with $.130^{*}$ dia．holes on $1^{\prime \prime}$ center．Cross－slot adjustment．front and reas．

| Stach No． | min．Mo． | Otus | Stent No． | CMir．Mo． | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 16007 | MR6F | 6 | 33 1616098 | Mer600F | 500 |
| 33 R 16015 | MR15F | 15 | 33 R 16106 | M C 750 F | 750 |
| 33 R 16023 | MR40F | 40 | 33 R 16114 | MER1000F | 1000 |
| 33 R 16031 | MR75 ${ }^{\text {F }}$ | 75 | 33 \＆ 16122 | MR1500F |  |
| 33 R 16049 | M ${ }^{\text {a }}$ 100F | 100 | 33 R 16130 | MR2000F | 2000 |
| 33 R 16056 | MR150F | 150 | 33 R 16148 | MR2500F | 2500 |
| 33 R 16064 | MR200F | 200 | 33 R 16155 | MR3000F | 3000 |
| 33 R 16072 | MR250F | 250 | 33 R 16163 | MR4000 F | 4000 |
| 33 R 16080 | MR500F | 500 | 33 R 16171 | MR5000F | 5000 |

Any of above
MR－P 3．WATT PC MOUNT
Printed circult board moanting with cross－slot adjustment．front and rear．

| Stock Mo． | Mrr．Me． | Onims | Steck Mo． | mit．We． | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 16189 | M 1．5P | 1.5 | 33 16247 | MR1000p | 1000 |
| 33 R 16197 | MR15P | 15 | 33 R 16254 | ＋131500P | 1500 |
| 33 R 16205 | Min 100P | 100 | 33 R 16262 |  | 3000 |
| 33 R 16213 | MR175SP | －175 | 33 R 16270 | MR4000 | 4000 |
| 33 R 16221 | mazeosp | ＋260 | 33 $\mathrm{R}^{\text {fates }}$ | Hinsteot | 5000 |
| 33 R 16239 | Mneoop | 600 | J3 n 1＊20 |  |  |

－Stop at 60 ohms．tStop at 100 ohms．
Any of above
Net ea．． 66
MRC－P \％ $1 / 2$－WATT PC MOUNT
Convergence controls wish printed circuit boand mounting and permanent knob．

| Steck No． | Mfr．Mo． | Ohans |  | Steck Ne． | Mr．Me． <br> MRC100P <br> WHC120 <br> MRC 150 P |  | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 16296 | $\begin{aligned} & \text { mactop } \\ & \text { MRC30P } \\ & \text { maceop } \end{aligned}$ | 10 <br> 30 <br> 60 |  | 33 R 16320 |  |  | 100 |
| 33 R 16304 |  |  |  | 33 |  |  | 120 |
| 33 R 16312 |  |  |  | 33 角 |  |  | 150 |
| Any of above |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| With twist－tabs for mouming on PC board or chassis．Slot adjust． |  |  |  |  |  |  |  |
| Soch No． | Mif．Ne． | Ohnes | Ea． | Steek | W | men | ［E2． |
| 33 R 14861 | Mu10－T | 10 | ． 68 | 33 M 14945 | MR2500．T | 2500 | － 70 |
| 33 R 14887 | Mn 50－7 | 50 | ． 66 | 33 14952 | MR3000－T | 3000 | － 70 |
| 33 R 14895 | MR100－T | 100 | ． 66 | 33 角 14960 | MR 4000－T | 4000 | ． 70 |
| 33 R 14993 | Ma250－T | 250 | ． 65 | 33 R 14976 | MR5000－T | 5000 | － 76 |
| 33 R 14911 | MR500－T | 500 | ． 65 | 33 n 148＊6 | MR8000－T | 8000 | － 76 |
| 33 R 14929 | Milaso．T | 850 | 5 | 33 R 14994 | MR10K－T | 10k | － 83 |
| 33 R 14937 | MR1000－T | 1000 | 6 | 33 同 14979 | MP15K－ | 15k | ． 63 |

## SHAFTS FOR MR CONTROLS

Mallary No．MRS 1250 －13＂dia．$x 14 / 4^{\circ \prime}$ FMS knurled and slotted nylon．Plugs into elther and of MR control．
33 F 16353

## CARBON TRANSISTOR CONTROLS

LInear taper（4）rated $1 / 4$ Watt：Aucio taper（1） rated $1 / 4$ Watt Dlam． $1 / 2^{\prime \prime}$ Universal $2 / 6^{\prime \prime}$ steel shaft $1^{\prime \prime}$ long with $1 / 4^{\prime \prime}-32$ bushing and screw－ driver 5 hot except＊has $5 /{ }^{m}$ long nyion shaft Shpg．wi．， 3 oz.
stoct Wa．Mie．No．ghme Tr

| Stock Na． | Me．Mo． | 0．mas TPr． |  | Steck No． | mils． 16. | Ohm |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 12534 | MC13L | 1K | 4 | 33 ¢ 12659 | MLCL5L | 100K |
| 33 R 12592 | MLC252A | 2500 | 1 | 33 ¢ 12667 | MLC25L | 200K |
| 33 R 12600 | MLC53A | 5 K | 1 | 33 R 12675 | MLC254L | 250K |
| 33 R 12618 | MmC53i | 5K | 4 | 33 A 14812 | MLC55A | 500K |
| 33 R 12 E 26 | MLC14L | 10K | 4 | 33 R 12683 | MLCN5SL＊ | 500K |
| 33 R 12634 | MLC54L | 50K | 4 | 33 R 12691 | MLCN16A ${ }^{\text {a }}$ | 1 Meg |
| 33 R 12642 | mlC15A | 100K | 1 | 33 R 12709 | MLCN16t＊ | 1 Meg |

## MALLORY 3－WATT WIREWOUND TV \＆INDUSTRIAL POTS

Dust－proof phenolic case $1 \%$＂diameter．Insu． lated contact arm type 900 V ．AC insulation．All have linear taper．Knurled screwdriver slotted stub shaft with $3 / \mathrm{m}^{7}$ ，standard bushing．With nut． Shpg．wt．， 302.

| Stack Ms． | Type | Ohmes | Stock No． | Type | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 13061 | R2L | 2 | 33月 13657 | R50L | 50 |
| 33 R 13079 | R3L | 3 | 33 R 13665 | R100L | 100 |
| 33 R 13087 | R5L | 5 | 33R 13673 | R250L | 250 |
| 33 R 13395 | F6L | 6 | 33 R 13681 | R500L | 500 |
| 33 R 13103 | R8L | 8 | 33 R 13699 | R750L | 750 |
| 33 R 13111 | R10L | 10 | 33 R 13707 | R1000L |  |
| 33 R 13129 | R15L | 15 | 33 R 13715 | R1500L | 1500 |
| 33 R 13137 | R20L | 20 | 33 R 13723 | R2500L | 2500 |
| 33 R 13145 | R25L | 25 | 33 R 13731 | R3000L | 3000 |
| 33 R 13152 | R30L | 30 | 33 R 13749 | R 5000 L | 5000 |

Any of above ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． .93

| Stock Ho． | Type | Ohms | Stoch No． | Type | Ohms |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 33 R 13160 | R7500L | 7500 | 33R 13186 | R15ML | 15K |
| 33R 13178 | R10ML | 10 K | 33R 13194 | R20ML | 20K |

Any of above

## CENTER TAPPED CONTROLS

| Stock ${ }_{\text {P }}$ O． | Type | Ohms | Stack Ho | Type | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 13202 | R10CT | 10 |  | 930 CT | 30 |
| 33 R 13210 | R2OCT | 20 | 33 R 13236 | R50CT | 50 |

SWITCH FOR ABOVE 3－WATT CONTROLS

|  |  |  | Net Each |  |
| :--- | :---: | :---: | :---: | :---: |
| Stock Mo． | Mfg． | Type | $1-9$ | 10.49 |
| 33 R 13244 | US30 | SPST | .42 | .38 |

## MALLORY VW SERIES SUBMINIATURE

## 5－WATT WIRE WOUND

Wire wound control rated at 5 watts．
Break down voltage 900VAC RWS．Linear
taper $\pm 10 \%$ tol．Dim． $3 / 4^{\prime \prime}$ dia．x $7 / /^{\prime \prime}$ depth． $1 / 4^{\prime \prime}$ shaft dia．Bushing dia． $3 / 0^{\prime \prime}$ with $32 \times 3 /{ }^{\prime \prime}$ thread．Shpe．wt． 308 ．No assortment for quantity prices．


| Stock No． | Ohms | $\begin{aligned} & \text { Each } \\ & 1.9 \end{aligned}$ | $\begin{aligned} & 10 . \\ & 49 \end{aligned}$ | Sticet Me． | Ohms | $\begin{gathered} \text { Each } \\ 1.9 \end{gathered}$ | $\begin{gathered} 10 . \\ 49 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 R 13269 | 1 | 1.38 | 1.24 | 33 R 13442 | 300 | 1.38 | 1.24 |
| 33 R 13277 | 2 | 1.38 | 1.24 | 33 R 13459 | 400 | 1.38 | 1.24 |
| 33 R 13285 | 3 | 1.38 | 1.24 | 33 \＆ 13467 | 500 | 1.38 | 1.24 |
| 33 R 13293 | 5 | 1.38 | 1.24 | 33 R 13475 | 600 | 1.38 | 1.24 |
| 33 R 13301 | 6 | 1.38 | 1.24 | 33 R 13483 | 750 | 1.38 | 1.24 |
| 33 R 13319 | 8 | 1.38 | 1.24 | 33 R 13491 | 1 K | 1.38 | 1.24 |
| 33 R 13327 | 10 | 1.38 | 1.24 | 33 R 13su9 | 1500 | 1.44 | 1.30 |
| 33 ค 13335 | 15 | 1.38 | 1.24 | 33 R 13517 | 2K | 1.44 | 1.30 |
| 33 ค 13343 | 20 | 1.38 | 1.24 | 33 R 13525 | 2500 | 1.44 | 1.30 |
| 33 R 13350 | 25 | 1.38 | 1.24 | 33 ค 13533 | 3K | 1.44 | 1.30 |
| 33 月 13368 | 30 | 1.38 | 1.24 | 33 R 13541 | 4K | 1.44 | 1.30 |
| 33 \＆ 13376 | 40 | 1.38 | 1.24 | 33 R 13558 | 5K | 1.44 | 1.30 |
| 33 R 13384 | 50 | 1.38 | 1.24 | 33 R 13566 | 7500 | 1，50 | 1.35 |
| 33 R 13392 | 60 | 1.38 | 1.24 | 33 R 13574 | 10K | 1.50 | 1.35 |
| 33 R 13400 | 75 | 1.38 | 1.24 | 33 R 13582 | 15K | 1.56 | 1.40 |
| 33 R 11418 | 100 | 1.38 | 1.24 | 33 R 13590 | 20 K | 1.56 | 1.40 |
| 33 R 11426 | 200 | 1.38 | 1.24 | 33 R 13608 | 25 K | 1.65 | 1.49 |
| 33 ¢ 11434 | 250 | 1.38 | 1.24 |  |  |  |  |

# Volume Controls－T \＆L Pads－Rheostats 

# LAFAYETTE $1 / 2$ WATT AUDIO TAPER CONTROLS WITH SWITCH <br> Pepolar Universal Aeplacement Controls 

$11 / /^{\prime \prime}$ dia．control with $1 / 4^{\prime \prime}$ dian， $21 / 2^{\prime \prime} \mathrm{L}$ ．round shaft．Control rated th watt audio；switch rated 3 amp．－ 125 V ．（AC／OC）．Bushing： $34.32 \mathrm{n} \mathbf{H}^{\prime \prime}$ ．Complete with hardware．Im－ ported．Shpg．Wt． 2 oz．
99 R B3521 i meg．．．．．．．．．．．．．．．．．．．．．．．．．．ea， 58
9月 R 63513 1／2 meg．
ea．． 50

REPLACEMENT 5，000 OHM VOLUME CONTROL FOR JAPANESE TRANSISTOR RADIOS

## $59^{c}$

A volume control with the proper resistance， dimensions and mounting for replacement in thousands of Japanese transistor radios．A 5,000 ohms potentiometer with S．P．S．T． switeh．Only $\mathrm{shm}^{\prime \prime}$ dia． $\mathrm{V}^{\prime \prime}$ total depth．Easily installed in printed circuits．Comes with 1／4＂dia，knob．Shps．Wt．， 2 ors．imported． s9 60198


SUB－MINIATURE VARIABLE CONTROLS

## $39^{c}$

SIZE－H＂Dia．W＂Thick
Carbon composition potentiometers built for the most compact instaHations．Ideal for printed circuits．Shpe．wt．， 2 oz．Imported

| Steck Me． | Cumite | Tlat Ex． |
| :---: | :---: | :---: |
| 99151425 | 1，000 | ． 33 |
| 99 －61434 | 5，000 | ． 39 |
| 99 E 11442 | 10，000 | ． 39 |
| 99.51459 | 50.000 | ． 39 |

VOLUME CONTROL ACCESSORIES


Shpe．wt．， 3 or．

| Stock No． | Fit． | Descriptien | Net |
| :---: | :---: | :---: | :---: |
| 30191974 | A | Extends controd body \％＂from suriace | 22 |
| 33 ¢ 11982 | D | Wrench for $\mathrm{v}^{2}-\mathrm{K}=$－V．C．hex nuts | ． 5 |
| 33 Rtt990 | E | Ext．shatt $4 x y / 4, y_{a}^{\prime \prime}$ tlat | ． 95 |
| 33 ． 12014 | \％ |  | ． 95 |
| 33 R 12022 | E |  | ． 95 |
| 33 田12030 | E |  | ． 31 |
| 33 R 12040 | 8 |  | ． 72 |
| 34.812055 | C | Bushing for panei mounting | ． 20 |
| 33 812063 | \％ | Mtg ．Bit． $24 / 2^{\text {m }}$ Mtg．centers | ． 05 |
| 33 12071 | 5 | Mtg．Bix． $1 * / 4$ Mtg．centers | ． 05 |

For Level Control of low impedance audio circuits．月ated at 15 watts peali audio， 4 watts DC．Accessorles furnished：one bar mnots，one diat plate，with matched rotation，one mut．one tock washer．Bushing $3^{\prime \prime \prime}-32 x^{3} 3^{\prime \prime}$＂，shaft $4 / 4^{\prime \prime} \times 2^{\prime \prime}$ long．Shpg．wt．， 602.

L－PADS

| Stect Mo． | Mis．Me． | Ohms | Stack No． | Mfs．Ne． | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33． 13756 | 12 | 2 | 33 R 13130 | 1250 | 250 |
| 33 R 13764 | 14 | 4 | 33 H 13848 | 1500 | 500 |
| 3 A 13772 | 16 | 6 | 33R 13855 | 1600 | 600 |
| 33 1313780 | 18 | \％ | 33 R 13863 | 11000 | 1 K |
| 33 ¢ 13798 | 115 | 15 | 33 R 13871 | 12000 | 2K |
| 33 ． 13006 | 150 | 50 | 33 R 13899 | 13000 | 3K |
| 33 R 13814 | 1100 | 100 | 30．13097 | 14000 | 4K |
| 33 －13022 | 1200 | 200 |  |  |  |
| Singly Exeh |  |  |  |  | 2.73 |


| Same as above with a $3 \mathrm{~m}^{\prime \prime}-32 \mathrm{mr}$＂Bushing． 2 nuts， 2 lock washers， $14 / 2 \pi 14 z^{\prime \prime}$ dial plate． $\mathrm{Shpg}^{2}$ ．Wt．， 6 oz ． |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stocin No． | Mfe NO | ohms | Stiock No． | MIS．Na． | Ohms |
| $33-13805$ | 188 | 8 | 33 W 13913 | 1164 | 16 |
| Simbly Each |  |  |  |  | 2.5 |


| Ganged pads for stereo use．Same specifications as simgle L Pads bushing Y＂－32ul＂Shpg．Wt．， 8 oz． |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Staek M ． | MhI．Na． | Ohms | Stocit No ． | Wis．No， | Ohims |
|  |  |  | 33 R 13939 | 4115 | 15 |
| $\begin{aligned} & 33 \text { ह } 13921 \\ & \text { Singly Each. } \end{aligned}$ | 48 | 8 | 33 स 13947 | 1150 | 50 |
|  |  |  |  |  | 5.70 |
| T－PADS |  |  |  |  |  |
| Stech No． | Mfs．Ne． | Ohms | Streltilas． | MIE．No． | 94．7． |
| 33 ！13954 | 12 | 2 | 33 ¢ 14036 | T200 | 200 |
| 33 R 13962 | 74 | 4 | 33 ： 14044 | 1250 | 250 |
| 33 \＆ 13970 | 76 | 6 | 33 \％ 14051 | T500 | 500 |
| 33 R 13988 | 78 | 8 | 33 R 1405 | 1600 | 600 |
| 33 R 13996 | 115 | 15 | 33 ． 14077 | 11000 | 1K |
| 33 R 14010 | 750 | 50 | 33 R 14085 | T2000 | 2K |
| 33 R 14020 | 1100 | 100 | 33 14093 | T3000 | 3K |
| Singly Each | Shpg．wt． | 1／2 16. |  |  | 3.54 |

Audio laper controls with D．P．S．T．switches． Mount in \％o＂holes in panels up to $4 / a^{\text {＂}}$ thich．
 IIM $I^{\prime \prime} 1^{m}$ Deep．Mounting nut and washer sup－ plied．Imported．Shpe．wt．， 3 oz．

> 32 R 225105 K ohm
> 32: 27520 10K ohm 32: 22544 y/2 Met.
> 32 - 22536 100K ohm
> 32 月 27531 I Meg.

Any of Above
Net Each 74


| Stectr Me． | Mfte No． | Ohms | Net |
| :---: | :---: | :---: | :---: |
| 33612238 | 13E10 | 4－ohm－L Pad | 1.35 |
| 33.12246 | TSA－35 |  | 1.35 |
| 33R 12253 | TSA 6 | 6 | 1.14 |

## OHMITE WIRE－WOUNO RHEOSTATS

Vitreous enamel rheostat with copper graphite control brush except－silver－graphite contact brush．Ohmages above 5000 have silicone cera－ mic coating．Rating indicated are at full set－ ting．less knob．Avg．inpg．wt．， 5 oz．


# LAFAYETTE T \& L Pads-Faders - Switches 

## STEREO LEVEL

 BALANCE CONTROL- Dual Concentric 8 ohm L Pads
- Logarithmic Curve


Provides individual level controt for slereo speakers. Varies "brilliance" or "presence"

# MULTI-INPUT SELECTOR CONTROL 

## STEREO SELECTOR SWITCHES FOR SOLID STATE HI-FI SYSTEMS



Controls stereo extensions without mismatching. Dual control mounted on concentric shaft. Gold-finished brass piate and attractive olack knobs with pold trimming. I pad for 8 ohm circuits. Plate is $21 / \mathrm{h}^{-}$ across; overall depth $31 / 4^{4}$. Imported. Shpg. wt. 702.

## 99 R 61400 Level Control

Net 3.1 IT

## DELUXE STEREO LEVEL BALANCE CONTROL <br> - Dual Concentric 8

 ohm L. Pads- Logarithmic Curve Two phone iacks enable you to plug in extension or monitoring speahers from the front. Screw ter. minals in the rear provide
 for a simple, permanent

An all purpose selector control . . connects any one of 5 inputs to one output. For AM. FM radio. phono, tape recopeer or other auxiliary. Unit is completely shielded to prevent hum. Comes complete with all necessary mounting hardware and 5 input phono jaciss and one output thono jsech. An finexpensive addition to any mufi-component system. hmported. Shps. wt., 6 DI. 59 月 10290

Met 1.99

## LAFAYETTE STERED LEVEL CONTROL



- Logarithmic Curve
 hookup. Contral mounted on concentric shatt. Brushed brass plate with attractive blach with gold-trim hnobs. Concentric 8 ohm L pads. Use it to control volume on a second set of speakers. Plate is $41 / 2 \times 23,4 \mathrm{~m}$ : from front of knot to plate $1{ }^{\mathrm{m}}$; Overali depths $33 \%^{\prime \prime}$. Imported. Shes. wt., 10 oz. 99 n 51418 Deluxe Level Control ... Met 4.49


## LAFAYETTE L PADS

1 pads for use as "brifliance" controls fo vary tweeter level, or as "presence" controls to vary midrange speaker tevel. Both wire-wound
 elements are concentrically mounted within one plastic housing. With gold-finished metal escutcheon plate, mitg. screws, and attractive black inob. Size: 1 \%" dia., $7 / 8^{\prime \prime}$ deep (less shaft), $22 /{ }^{\prime \prime}$ " deep overall. Imported. Shog. wi., 5 ou.
1 pad for 8 ohm circuits.
99 © 61343
Net 1.09
L pad for 16 ohm circuits.
99 ก 61350
Nel 1.09

## LAFAYETTE T PADS

Constant impedance control to adjust speater volume. With brass satin plate for wall mounting. Impedance, ohms. With alf parts and instructions. Imported. Shpg. wt., 9 ou.
99 R 61368
Net 4.89


## LAFAYETTE

REMOTE SPEAKER FADERS

As Low
As
$89^{c}$


Two precision 8 -ohm level comtro!s concen trically mounted for stereo. ideat for con trolling individual volume of stereo eatension speakers without fear of mismatch of affecting volume of main speakers. Also may be used to vary "brilliance" or "presence." screw terminals. Handsome cream finish with gold panel plate. Overal? size 3kath $41 / 2 \mathrm{Hm} 23 / 4{ }^{\circ} \mathrm{D}$. 1 mported. 5 hpg . mt ., 10 OZ . $99-61473$

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
(Fit. A) A constant impedance speaker selector switch for multiple-speaker Stereo Hifi. selects 3 sets of speahers in any combination, with up to 60 matts of audio power. Mounted on an-attractive, gold-fin-
 Imported, Shpe. wi.. 8 oz.
Stereo Speaker Selector Switch
99 In 00986
Net 2.05
(Fig. B) As above in enclosed case 2HydWh 3"p. shpg. wt. 10 oz.
99 R 01018
Net 3.19


## VOLUME CONTROL ADAPTER



Built in volume control permits high volume signals to be fed into the high gain input of pape recorders without overloading. Phono fact input to a 2-conductor standard phone plug output. Completely shielded. Designed for use in unbalanced stereo chamnels; use in pairs for dual steres channel control. Imported. shpg. wt., 4 oz.
9900994

Provides adjust-
Remote Speaker Fader able volume level for Madio. TV. In-Fi and remote speaker. Gradually increases velume on one speater while diminishing volume on the other. May also be used to adjust volume for 1 speaker, Gold plate for front panel mounting. Whth instructions. Imported. Shpg. wt., 301.
99961384
Net . 89
Remote Soeaher Fader. Same as above ex. cept for wall mounting. Imported. Shpg. wt. 402.

99 R 61392
Net 109

Speaker selector switch for solid state stereo systems. Allows choice of one of three pairs of speakers. High quality, non-shorting contacts capable of handline up to 60 watts aedio. Imperted. SMpg. wt., 7 or.
wall Bon selector.
9) R 01745

Net 2.19
Enclosed Case Selector. 99101752

Net 3.19

## LAFAYETTE MULTIPLE 6 SPEAKER SWITCHES


(1)
(B)

- Recommended only for Hi-Fi Systems Using Vacuum Tube Circultry
Mertiple spesimer Switem Constant im. pedance device for controlling any 6 remote speakers: uD to 63 different combinations mald mounling with brass plate. With instructhons and hardware. Shpg. wt., 507.
5200549 Imported. Fig. A
Net 2.69 Multiple Speaker Switch
identical to asove but mounted on flat. gold embossed plate for mountint on flat panel. $342 \times 2 \%{ }^{\prime \prime}$. lmported. Shpg. wt., $40 z$.


## 5300663 Fig. 8

Net 2.29

## LAFAYETTE REMOTE SPEAKER SWITCHES



Recommended only for HiFi Systems Using Vacuum Tube Circuitry
(Fig. A) For monaural use. Sefects any one of 3. of any combination of 2 or 3 speatwers with up to 60 watts of audio power. A constant impedance device. On gold finished steet electric outlet plate with black and ivory hnot. $2 \mathrm{~K} / \mathrm{M} 41 / \mathrm{h}^{\prime \prime}$. Imported. Shpg. wt. 8 ox.
99 :00531
Net 1.59
case 34 4x
(Fig. B) Same as above in enclosed case
4Hin $240^{\circ}$. Imported. Shpg. wt. 11 oz . 93 R 00838

Net 1.98


A handsome ivory-finish wall stereo jack kit resugned to be mounted in a standard outlet sox. Ideal for remote amplifiers or for added stereo pleasure th the den, play room, etc. Contains two standard $1 / 4^{-}$plone plugs and two stancard $1 / 4^{-\prime}$ phone jacks. Size: $4 \%$. 2 $2^{\prime \prime} \mathrm{K}_{0}$. $1^{\text {" }}$ back clearance required. 1 m . sorted. Shpg. wt., 602.
99 R 01364
Net 1.49

# 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. 14/4 dia. threaded stem. Length of stem "his except $+11 / 2$ and " $1 / 4$. All have solcer lug terminals except " 6 " wire leads. 6 screw terminals. All 3 amps at 250 V except $\ddagger 1$ amp U.L. listed. Avg. Shpg. wt., 3 oz.

|  |  | Con. | Amps | Net Each |
| :---: | :---: | :---: | :---: | :---: |
| Stock Me. | MIr's. Type | tacts | Fig. 125V | $1.24 \quad 25.49$ |


| 34 R 33026 | 8280-K-14 | SPST | A | 3 | . 77 | 71 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 33034 | 8280.K15 $\dagger$ | SPST | A | 3 | . 77 | 71 |
| 34 R 33042 | 8280-K16 | SPST | A | 3 | . 77 | 71 |
| 34 R 33059 | 8282-K131t | SPDT | G | 3 | . 97 | 89 |
| 34 R 33067 | 8282-K14t | SPDT | G | 3 | . 97 | 89 |
| 34 R 33091 | 8290-K15+ \# | SPST | $B$ | 3 | . 92 |  |
| 34 R 33109 | 8290-K16 | SPST | 8 | 3 | . 92 | 85 |
| 34 R 33117 | 8295-K718 | SPST | C | 3 | . 92 | . 85 |
| 34 R 33125 | 8295-K8 | SPST | C | 3 | . 92 | . 85 |
| 34 R 33133 | 8360-K6 | DPST | G | 3 | 1.40 | 1.27 |
| 34 R 33141 | 8360-K7 | DPST | G | 3 | 1.40 | 1.27 |
| 34 R 33166 | 8363-K6* | DPDT | E | 3 | 1.59 | 1.46 |
| 34 R 33174 | 8363-K7 | DPDT | $E$ | 3 | 1.59 | 1.46 |
| 34 R 33182 | 8363-K8 + | DPDT | E | 3 | 1.59 | 1.46 |
| 34 R 33208 | 8370-K7 | DPST | G | 6 | 1.48 | 1.37 |
| 34 R 33224 | 8372-K76 | DPST | D | 6 | 1.81 | 1.67 |
| 34 R 33257 | 8375-K7! | DPDT | D | 6 | 2.19 | 2.02 |
| 34 R 33281 | 8391-K7 ${ }^{\text {¢ }}$ | SPST | $B$ | 6 | 1.04 | . 96 |
| 34 R 33299 | 8391-K8 \# | SPST | $B$ | 6 | 1.04 |  |

## AC TOGGLE SWITCHES LIGHT DUTY - 6 AMPS

for use in radios, appliances and other equipment which use snap action mechanism. All rated 6 amps at 125 V and 3 amps at 250 V . Center-olf posifion. Threaded stems are $1 / 1 / 2 \mathrm{in}$. dia.. stem length $18 / 2 \mathrm{~g}$. U.L. listed. Avg. shpg. wt., 3 oz. $\dagger$ indicates screw terminals. $\pm$ indicates solder terminals.

| Stock We. | Mer's. Type | Contacts | Fis. | $\begin{aligned} & \text { Wet Each } \\ & 1.24 \end{aligned}$ | 25-49 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 33430 | 7580-K4 $\dagger$ | SPST | K | . 81 | 74 |
| 34 R 33448 | 7580-K6 | SPST | $k$ | 70 | . 64 |
| 34 R 33455 | 7581-K4 ${ }^{\text {\% }}$ | SPDT | K | . 92 | . 85 |
| 34 R 33463 | 7581-K6** | SPDT | $K$ | . 75 | . 70 |
| 34 R 33513 | 7582-K6 | SPDT | K | . 75 | . 70 |
| 34 R 33521 | 7590-K4 $\dagger$ | DPST | F | 1.23 | 1.13 |
| 34 R 33539 | 7590-K6 | DPST | F | 1.00 | . 92 |
| 34 R 33547 | 7591 K4 | DPDT | F | 1.46 | 1.34 |
| 34 R 33554 | 7591-K6 | DPDT | F | 1.12 | 1.04 |
| 34 R 33562 | 7592-K4 | DPDT | F | 1.46 | 1.34 |
| 34 R 33570 | 7592-K64 | DPDT | F | 1.12 | 1.04 |

## "ROCKETTE" SWITCHES

Modern design. dependable, with nylon rocker type actuator. Fast connect $.250^{\prime \prime}$ terminals. Requires $1 \mathrm{H} / \mathrm{ax}$ "Ka" hole. U.L. and CSA listed. Shpg, wi., 302

Stock Ne. Mre. Tyoe 125 F 250V Cont. Het Each 34 R $341648134 K 21$ A1M52 $6 \quad 3$ SPST $.72 \quad .66$ 34 R 34107 8144K2OA1M52 1510 SPDT . 91.84 34 R 34115 8142K21E6M52 15 10 DPST 1.24 1.15

## ON-OFF PLATE FOR TOGGLES

U) 34 R 33935 Shpg. wt., 3 oz. Net Ea. 1.9 . 06

## LAFAYETTE FOOT SWITCH



The ideal switch for safe, hand free control of bench tools, appliances or other electrical devices. Rated at 10 amps, 125 Volt AC. Merely step on the switch and constant powet is supplied until fool is removed. Supplied with six foot cord and plug. Plug unit into the wall and appliance into the back of plug. Steel housing is finished in gray crackle and has a skid-proof base. Size: 27/3" square $x 1^{\prime \prime}$ high. Imported. Shpg. wt., 1 ib 99 R 80707 -49 $=$


STANDARD DUTY
10 to 15 AMPS
Slow make, slow break mechanism. All have $15 / 32$ diameter threaded stem. 15/32 long except $511 / 32$ long, and center off, all rated 10 amps at 250 VAC and 15 amps at 125 V AC . U.L. Nsted. Avg. shpg. wt., 4 or. $\dagger$ indicates screw terminal, $\ddagger$ indicates solder terminals.

| Stoch No. | Mfr's. Pype | Contacts | Fig. | 1.24 | 25.49 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 33588 | 7500-K13 ${ }^{\text {¢ }}$ | SPST | K | 84 | . 77 |
| 34 R 33596 | 7500-K14t | SPST | K | . 84 | . 77 |
| 34 R 33612 | 7501-K13 | SPST | $K$ | . 73 | . 68 |
| 34R 33638 | 7502.K13******* | SPDT | K |  |  |
| 34 R 33653 | 7503-K13** | SPDT | K | . 84 | .77 |
| 34 R 33679 | 7504-K4t | SPDT | $K$ | . 99 | . 91 |
| 34 R 33695 | 7505-K4 | SPDT | K | . 84 | 77 |
| 34 R 33703 | 7560-k5 | DPST | F | 1.33 | 1.22 |
| 34 R 33729 | 7561-K4 | DPST | $F$ | 1.12 | 1.03 |
| 34 R 33745 | 7562-K4 | DPDT | $F$ | 1.63 | 1.50 |
| 34 R 33778 | 7563-K5 ${ }^{\text {²* }}$ | DPDT | F | 1.33 | 1.22 |
| 34 R 33786 | 7564-K61 | DPDT | F | 1.63 | 1.50 |
| 34 R 33802 | 7565-K5 | DPDT | F | 1.33 | 1.22 |
| 34 R 33810 | 7565-K6\% | DPDT | F | 1.33 | 1.22 |
| 34 R 33844 | 7610-K2 ${ }^{\circ}$ | 3PST | L | 2.54 | 2.35 |
| 34 R 33651 | 7611-K2 | 3PST | L | 2.18 | 2.01 |
| 34 R 33877 | 7613-K2 * | 3 PDT | L | 2.68 | 2.48 |
| 34 R 33893 | 7615-K2 | 3PDT | 4 | 2.68 | 2.48 |

Switches contain heavy parts, larger clearances and higher ratings. Handle large motors and heavier loads. Longer life on lighter toads. All bakellte bodies, screw terminals and quick make and break contacts. "1/6; threaded stem ${ }^{3} / x_{2}$ loag except * "1/ra stem. U.L. listed, All 10 amps at 250 V except $\ddagger$ 20 amps . Shpg. wt., 4 oz.

| Stock No. | Mfr's. Type | Can. tacts | Fig. | $\begin{aligned} & \text { Amps } \\ & 125 \mathrm{~V} \end{aligned}$ | Het Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1.24 | 25-49 |
| 34 R 33356 | 7360-K7* | DPST | H | 20 | 2.41 | 2.23 |
| 34 R 33364 | 7360-K8 | DPST | H | 20 | 2.41 | 2.23 |
| 34 R 33372 | 7361-K5 | SPST | H | 20 | 2.52 | 2.33 |
| 34 R 33406 | 7402-K4\% | DPST | H | 20 | 3.24 | 2.99 |

## STANDARD DUTY - 8 to 16 AMPS

Quick make, quick break contact mechanism eliminates pit. ting caused by high arcing. These tong life switches are primarlly designed for use on small motors and similar equipment. All in bahelite case with screw terminals. 11/ threaded stem x $15 / 32$ long except $\dagger 11 / 32$ stem length. U.L. Iisted. All 8 amp at 250 V and $16^{\circ} \mathrm{amp}$ at 125 V . eacept $\$ 5$ amps at 250 V . Avg. shpg. wt, 30 oz .

| Stock Mo. | Mfr's. Type | Con. tacts | $\text { Fig. } 125 \mathrm{~V}$ |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1-24 | 25.49 |
| 34 R 33323 | 7320-K2 $\dagger$ | DPST | H | 16 | 1.80 | 1.29 |
| 34 R 33943 | 7320-K3 | DPST | H | 16 | 1.40 | 1.29 |
| 34 R 33331 | 7321-K2 $\dagger$ | SPST | H | 16 | 1.50 | 1.39 |
| 34 R 33950 | 7321-K3 | SPST | H | 16 | 1.50 | 1.39 |
| 34 R 33349 | 8680-K1 $\ddagger \ddagger$ | DPDT | H | 5 | 4.17 | 3.65 |

## SPST MIDGET SWITCH

Type $8097 \mathrm{k3}$. Bat handle $1 / 4$ " from end of threaded stem 3 Amps at 125 V AC. 75 at 250 V DC. Screw terminals Threaded stem dia. $1 / 3 /$. stem length $11 / 3$. Shpg. wt., 2 or.

| Stock Ho. | Fie. | 1.24 | Net Each <br> $25-49$ |
| :--- | :---: | :---: | :---: |
| 34 R 33018 | M | .59 | .54 |


|  | LAFAYETTE <br> SUBMINIATURE SWITCHES <br> TOGGLE SWITCH Industrial quality, subminiature, D.P.D.T., AC toggle switch. Rated at 10 amps, 125 volts A.C. Life tested through 100,000 cycles. Contact resistance, 0.01 ohms. Insulation resistance 1 ro meg-ohms at 500 V.A.C. Maximum breakdown voltage 1000 V.A.C. Body size $1 / 2 \times 1 / 2 x x_{6}^{\prime \prime}$. Bushing $1 / 4 \mathrm{Dx} \mathrm{Kn}^{\prime \prime}$ ". Handle $\mathcal{H}^{\prime \prime}$ L. Behind panel depth, including lugs, $7 /{ }^{\text {m }}$. Includes slip-on insula: tor for handle, mounting hardware and "onoff" plate. Shpg. wt., 2 oz. <br> 99 R 61624 Imported <br> Net ea. 1.49 Lots of 100 ea. 1.19 Lots of 10 ea. 1.35 SUBMINIATURE MOMENTARY PUSH-BUTTON SWITCM. All dimensions and specifications exactly the same as above except momentary push-bution action. Imported. <br> 99 R 61830 Shpg. wt., 2 oz. Net ea. 1.89 Lots of 100 ea .1 .56 Lofs of 10 ea .1 .70 |
| :---: | :---: |

# MALIORY Switches and Dial Plates 

## CERAMIC SELECTOR SWITCHES <br> 

Ideal for RF circuits．All non－shorting． Ceramic insulation，silver plated contacts $1 / 2^{-}$spacing between dangs except $1^{\prime \prime}$ on 3 gang．Voltage breakdown 500V AC or DC．Man non－breaking resistive load is 10 amps． $1^{n}$ mtg ．radius．Notched shatt $2 \mathrm{~L} \times 1 / 4^{\prime \prime}$ diameter with $\$ 3 \times 33^{\prime \prime}$ bushing．Adjustable stop．Type with＂have added＂OFF＂pesition preceding others．With hnob，nut and lockwasher．Shpg． wt． 5 oz．

| Stoc： Wo． | MIE． No． | Poles Per Gant | Pos <br> Per <br> Pele | Each | ${ }_{\text {Each }}^{5-9}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 n 40573 | 1720 | 1 | 11 | 2.77 | 2.31 |
| 30 an 405 ${ }^{3}$ | 173C＊ | 2 | 5 | 2.77 | 2.31 |
| 30 massy | 174C＊ | 3 | 3 | 2.77 | 2.31 |
| Shpg．wt．，0z． |  | THREE GANC |  |  |  |
| stock Na． | 412. <br> Ne． | Poles Per Gang | Pes． <br> Per <br> Pole | EACh | $5$ |
| 30.40631 | 180 C | 1 | 11 | 5.04 | 4.21 |

## ALL PURPOSE SWITCHES

Single section phenolic type $\mathbf{2 "}^{\prime \prime}$ long by $1 / 4^{\text {＂}}$ dia．shaft with $\mathrm{H}^{\prime \prime}$ bushing．Supplied with knod tockwasher and mut except $\dagger$ uses nurled shalt，no knob furnished Shpe．wt． $+02$.

| Sherting trpes |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| slock Ne． | Mallery No． | Cir． | Pos． | $1-4$ Each | $\begin{aligned} & 3-5 \\ & 4 \mathrm{sch} \end{aligned}$ |
| 30 n 49202 | 5M1112 | 1 | 2 | 1.19 | ． 99 |
| 30\％ 49210 | 5M1113 | 1 | 3 | 1.19 | ． 99 |
| 30 R 4822 t | 5M1113K1 | 1 | 3 | 1.19 | ． 99 |

## DIAL PLATES

Silver markings on black background． $30^{\circ}$ spacing plates for all Mallory 1200 i and 1300 I series switches and for $11 / /^{\prime \prime}$ base． 3100 J and 3200 J series．Shpe．wh．， 2 oz ． Stach No．Marming Slock No Marthing 30 W 406541 to 2 30 4077 OHI 1 to 3 30 R 40672 it 3 to 30 R 40789 Off 1 to 4 30 h 4068 l ito 4 to 30 n 40787 Off 1 to 5 30 R 4069： 1 to 5 30 R 407061 to 6 30 R 40748 to 10 0 R 40755 30 R 407551 to 11 30 R 407831 to 30 R 40039 OH 1 to 9 ANY OF ABOVE NET EACH 20

## LEVER ACTION SWITCHES

Positive action，phenolic sections． 6000 series have mitg．brackets with round holes $15 \%^{*}$ apart； 5000 series have elongated holes in bracket with $2 \%_{0}{ }^{\prime \prime}$ centers．Veltage rating 500 VAC．DC．Max，nonbreaking current resis tive load， 6 amp．at $6 \mathrm{VAC} .20^{\circ}$ indexing with knot and hardware．Shpg．Wh．， 5 ol．

| Stoch No． | Mis． Ne． | Poles Per Gant | Pos． <br> Per <br> Pole | Each | $\underset{\text { Each }}{5.9}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 R 41209 | 5124 | 2 | 4 | 1.62 | 1.35 |
| $30 \pm 41217$ | 6142 | 4 | 2 | 1.41 | 1.17 |
| 30 n 41225 | 6143 | － | 3 | 1.41 | 1.17 |
| Non Sherting |  |  |  |  |  |
| 30 ＊ 41233 | 5224 | 2 | 4 | 1.62 | 1.35 |
| 30 ¢ 41241 | 6242 | 4 | 2 | 1.41 | 1.17 |
| 30 ． 41250 | 6243 | 4 | 3 | 1.41 | 1.17 |

## MINIATURE PUSH－BUTTON SWITCHES



Mon－locking type，contact made only when depressed．Silver contacts，carmium plated frame．Mount in $3 /$＂$_{0}$ hole on up to $1 / 4^{"}$ panels． Mtg ．radius $1 \mathrm{~K}_{8}{ }^{-0}$ ．Mig．depth $3 / \mathrm{sem}^{\prime \prime} \mathrm{min}$ to $7 \mathrm{~m}^{2}$ mas．Circuit codes：$M=$ make， 0 －breah，MBB ＝make before breat．Vollage breakdown 500 V DC．With hardware．Shpg．wt．， 3 oz．

| Steck No． | $\begin{aligned} & \text { Mfe. } \\ & \text { No. } \end{aligned}$ | Circeit | Net |
| :---: | :---: | :---: | :---: |
| 30.41118 | 1011 | SPST－M | ． 81 |
| 30 R 41126 | 1012 | SPSTE | ． 0 |
| 30841134 | 1013 | SPDT | ． 90 |
| 30 R 41142 | 1014 | DPST－M2 | 1.03 |
| 30 R 41139 | 1015 | DPST－E2 | 1.03 |
| 30 W 41167 | 1016 | DPOT | 1.34 |

Type 154L resistor switch for simple con－ struction of decade bores（up to 10 posi－ （ions）．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 resistors for full decade operation．Depth behind panel is $1^{\prime \prime}$ ． Lateral space $2^{2}$ ．Voltage breakdown rating 500 V DC or AC．Shaft $2^{\prime \prime}$ long a $11^{\prime \prime}$ dia－ meter．With knob and hardware．Shpe．wt． 502.

| Stoch <br> No． | Type | 14 <br> Each | 59 <br> Exh |
| :---: | :---: | :---: | :---: |
| $30 R 41274$ | 1541 | 3.44 | 2.89 |

Trpe 389 Dial Plate for above
30 ： 40039

## MINIATURE

 LEVER SWITCHESPhenotic type all are single section type． Contact rating is 350 MA at 500 volts RMS resistive hoad． $30^{\circ}$ indezing．Mig．holes $1 \%$ apart．＊are positive action and spring re turn．are spring return．Supplied with lever knob．Shpg．wt．， 301.

## SHOHTMMG TYPIS

| Steek Mo． | Mifr．Ma． | Cir． | Pos． | $\begin{aligned} & 1.4 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & \text { 5-9 } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 ¢ 41472 | $6 M 1213$ | 2 | 3 | 1.39 | 1.1 |
| 30 R 41498 | 5M1213U＊ | 2 | 3 | 1.82 |  |
| 30 n 41506 | $6 \mathrm{M1412S}+$ | 4 | 2 | 1．98 |  |

MOM－SHORTIMG TYPES

| 30 R 41514 | 6M2213 | 2 | 3 | 1.39 | 1.16 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $30 \sim 4152$ | 6M22135 $\dagger$ | 2 | 3 | 1.58 | 1.32 |
| $30 \$ 41530$ | 6M2213U | 2 | 3 | 1.12 | 1.52 |
| 30 R 41548 | 6M2412St | 4 | 2 | 1.92 | 1.60 |

## MULTIGANG ROTARY SWITCHES

Phenolic waters．$V_{2}$＂spacing between gangs excepl 3 and 4 ，gang is $\mathbf{1}^{\circ}$ ．Indexing is $30^{\circ}$ ． Have 1 fired and 1 adjustable stop．Voltage breakdown 1000 V AC or DC．Contacting mem－ bers silver coated $2^{2}$ notched shaft requires $1 / \mathrm{m}$＂ mtg ．hole．Types with＊have additional off posilionwith all circuits open．With bar knob，nut and loch washer．Avg．shpg．Wt．， 201.

| Stech No．Nhor | arting | ant | Total Poles | Pos． Per Pote | $\begin{aligned} & \text { NET } \\ & \text { fach } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mis．No |  |  |  |  |
| 30.140417 | 13111 | 1 | 1 | 11 | 2.46 |
| 30 R 40425 | 13151＊ | 1 | 2 | 5 | 2.46 |
| 30 ¢ 40433 | 13131＊ | 1 | 3 |  | 2.46 |
| 30 ¢ 40443 | 13122＊ | ， | 4 | 2 | 3.46 |
| $30 \mathrm{R} \mathrm{4045} \mathrm{\%}$ | 13214 | 2 |  | 11 | 3.00 |
| 30 － 40468 | 1325L＊ | 2 | 4 | 5 | 3.00 |
| 30 R 40482 | 13221＊ | 2 | 8 | 2 | 3.00 |
| 30 Ll 4049 | 13311 | 3 | 3 | 11 | 3.78 |
| 30 R 4050 y | 13351． | 3 | 6 | 5 | 3.78 |
| 30 R 42686 | 13331＊ | 3 | 9 | 3 | 3.70 |
| 30 R 42694 | 1332L＊ | 3 | 12 | 2 | 3.76 |
| 30 Bl 40515 | 13412 | 4 |  | 11 | 4.45 |
| 30.40524 | 13451＊ | 4 | 8 | 5 | 4.45 |
| 30 A 42578 | 13421＊ | 4 | 16 | 2 | 4.45 |
| 30040532 | 13511 | 5 | 5 | 11 | 4.3 |
| 30 R 40548 | 13561＊ | 5 | 10 | 5 | 5.29 |
| $30 \cdot 40557$ | 13611 | 6 | 6 | 11 | 5.65 |
| 30 界 40365 | 13661＊ | 6 | 12 | 5 | 6.45 |

## UNIVERSAL MOUNTING BRACKET

＇ 1 ＂shape．For rear support
of switches．Shoz．Wht， 2 oz．
30 田 41100 Type RB254；Net 05

## MALLORY SINGLE GANG ROTARY SWITCHES

Single gang，phenolic water． $144^{\prime \prime}$ diameter and $30^{\circ}$ indexing except ＂are $11 K_{0}$＂and have $20^{\circ}$ indering and adjustable stop．Voltare breah． down 300 V AC or DC． $2^{\prime \prime}$ notehed shaft with $36^{*}$ threaded bushing $30^{-}$long．With bar hnob，nut and lockwasher．Shpe．wt．， 5 ol ．

| Shorting Stoch Mo． | Type Mis．No | Stoch No． | ting： Mfy Me． | Pales | Posi－ tiens | $\begin{gathered} \text { Net } \\ \text { fack } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 R 40011 | 3115） | 30 同 40136 | 3215 | 1 | 5 | 1.20 |
| 308．40029 | 311121 | 30 R 40144 | 32112） | 1 | 12 | 1.20 |
| 30 － 40037 | 3122） | 30 R 40151 | 3222） | 2 | 2 | 1.20 |
| 30 ¢ 40045 | 31231 | 30R40169 | 32231 | 2 | 3 | 1.20 |
| 30 R 40052 | 31261 | 30.40177 | 32268 | 2 | 6 | 1.20 |
| 30 ¢ 40060 | 31341 | 30 R 40185 | 3234） | 3 | 4 | 1.34 |
| 30 Ra 40078 | 3142） | 30 П 40193 | 32421 | 4 | 2 | 1.24 |
| 30 R 40086 | 31431 | 30 R 40201 | 32431 | 4 | 3 | 1.24 |
| 30 R 40110 | $3136{ }^{\circ}$ | $30 \mathrm{R} 40235$ | $3236{ }^{\circ}$ | 3 | 6 | 1.93 |
|  | 3163j＊ | 30 \＆ 40243 | $3263)^{*}$ | 6 | 3 | 1.93 |

## PHENOLIC MINIATURE ROTARY SWITCHES

Stators and retors use hiehardson $\mathbf{T 7 2 5}$ trade phenolic．Has common contact on same side as the switching contacts．Commercial equival ent ic MIL． 5.3786 ．Breakdown voltage between contacts，and contacts and trames is 1700 V R．M．S． 60 eycles．Contact rating is 350 MA at 500 volts R．M．S．resistive load．Snatt is $2^{\circ \circ}$ long by $1 / 4^{\circ}$ dia．with $\boldsymbol{y}^{\prime \prime}$ spacing between waters．Wafers are $144^{\circ "}$ dia．and $30^{\circ}$ indexing．Over． all dia．1\％＂．Supplied with knot，adjustable stop，lock washer and nut．Shpg．wt． 5 oz．


## Switches-Toggle, Push-Button, Slide \& Telephone

dELAY ACTION SWITCHES FOR HOME AND CAR


## (1) SPST BAT HANDLE

Rated 3 amps- 125 V . Body slze $14 / \mathrm{ax3} / 4 \times 1 / 2^{\prime \prime}$ behind panel. Bushing 7/16" diam. 7/16" long. Bat handle $1 / 2^{-\prime}$ long. Shipg. wi, 3 oz. imported.
99 R 61509 $\qquad$ ............... N
Net ea, 34
In lots of 10, ea. 29

## (2) HEAVY DUTY 6 AMP DPDI

Rated 250 V at 3 Amps or 125 V at 6 amps . Switch body $12 / 4 \times 3 / 4 \times 7 / 8$ : behind panel including terminals. Bushings $15 / 32^{*}$ Dia, $7 / 16^{\prime \prime}$ long. 8 at handie $1 / 2^{\prime \prime}$ long. Shpg. wt., 3 oz. imported.
99 R 61517
Net ea. . 44
In lots of 10, ea. . 40

## (3) 6 AMP. DPDT CENTER OFF

Rated $6 \mathrm{amps}, 125$ V.A.C. 1 \% $\times 3 / 4 \times 1$ - behind panel including screw terminals. Bushing $7 / 16 \times 7 / 16^{*}$. $5 / 8^{-}$bat handle. Shpg. wt., 302 . Imported.
99 R 61483
Nel ea . 55
In lots of 10. ea. . 50

## 410 AMP. SPDT CENTER OFF

Rated 10 amps at 125 V . Silvered lugs for low loss connections. Body size $11 / 3 \times 9 / 16 x$ $5 / 8^{\prime \prime}$ depth behind panel. Bushings $3 / 8^{\prime \prime}$ Dia., $7 / 16^{\prime \prime}$ long. gat handle $1 / 2^{\prime \prime}$ long. Shpg. wt., 3 az Imported.
99 R 61558
Net ea. . 44
Lots of 10, ea. . 40


## (5) MINIATURE MOMENTARY

Momentary contact push button switch ideal for all minlaturized applications. Single pole two circult push-to-make type. Berylium copper leaf contacts. Overall diameter $1 / 2^{*}$. overall depth $11 / 16^{\prime \prime}$, protrudes $3 / 8^{\prime \prime}$ behind panel. Bushing $1 / 4^{\prime \prime}$ dia., $3 / 16^{\prime \prime}$ long. Supplied with washer and mounting nut. Shpg. wt., 3 oz, Imported.
Miniature Push-8utton Switch.
99 R 62184
In lots of 10, ea. 21

## (7) SUB-MINIITURE MOMENTARY

Momentary contact push button switch. SPST, non-snap action, Rated 115 V AC at 100 ma , Overall dimensions $3 / 8 \times 3 / 4^{-1}$. Bushing $1 / 4^{-}$ long. Shpg, wt., 2 oz . Imported.
99 R 61590
Net ea. . 26
5 for .23
(6) ILLUMINATED P.B. SWITCH

A compact illuminated switch which will indi. cate mode of operation at a glance. Button lights in "ON" position. Takes no more space than conventional switches. Lamp is built into push handle. SPST Type. Current capacity, 10 Amps at $125 \mathrm{VAC}, 6 \mathrm{~A}$ at 250 V AC; insulation resistance, 100 meg ohms or more insulation resistance, 100 meg ohms or more
at 500 V DC. Solder terminals. Single-hole mtg . Mount In $13 / 64$ hole, $11 / 2^{\prime \prime}$ behind panel. Shpg. wi., 3 oz. Imported.
99 R 61921
Net 1.75
(8) MINIATURE 4 PDT SPRING RETURN Push button switch, Ideal for ham or ciltizens band. Rated at 800 milliamp for 100 V AC. Ideal for transistor application. Heavy duty spring. Two circuit operation. Measures $13 / 8 \mathrm{~m}$ $5 / 16$ I $1 / 2^{*}$ plus $1 / 2^{\circ}$ plunger. Shpg. wt., 2 02. imported. 99 R 61756
Net ea. . 4

(A)


- Keeps light on for 60 seconds after tuming off switch
For the home. Install in regular wall outlet. Keeps outside lights on for 60 seconds while you go to car. Rated 10 amps 125 V (Fig. A) Shpg. wt, 502.
34 R 38058
Net 2.39
For the car. Keeps car lights on for 60 sec. onds while you walk to house then turns them off automalicaity. Easy to install In any 6 or 12 Volt car. $31 / 4 \times 1 \mathrm{~K}_{0} "$ diam. (Fig. B) Shpg. wh, 602.
34 R 46010
Net 2.39



## SLIDE SWITCHES <br> AT LOW PRICES

Compact slide switches in cadmlum steel housings. Ali rated 3 amp at 125 volts AC. 11/8" mounting centers. Shpg. wt., 302.

| Stock No. | Circuit | Met <br> Each | Lats 10 <br> Each |
| :--- | :---: | :---: | :---: |
| 34 R 37035 | SPST | .19 | 1.65 |
| 34 R 37043 | SPDT | .22 | 1.95 |
| 34 R 39114 | OPST | .24 | 2.15 |
| 34 R 39122 | OPDT | .26 | 2.35 |

ULTRAMINIATURE SPDT SLIDE SWITCH

## $29^{\text {c }}$

Exceptionaily shallow design-only $1 / 8^{*}$ deep for panel mounting. Contact resistance: 1/20 ohm or less; Insul. res. 20 megohms at 500 V DC., max. AC current 0.5 amps. With. stands 600 V AC. Size $5 / 8 \times 1 / 8 \times 5 / 16^{\prime \prime}$. Size of switch body, mounting ears add $1 / 2^{\prime \prime}$ to overall iength. Mfg. centers $1^{\prime \prime}$. Shpg. wt., 2 oz . Imported.
99 R 61897
Net 29

## MIDGET-BAKELITE KNIFE SWITCHES

Complete switches mounted on black bake. lite base with insulated knob handle of black bakelite. Plated brass contacts provide posi. tive low-resistance connection. Imported.

SPDT KNIFE SWITCH
overall size 14 nk 2 Hh . Shog. wt., 2 oz . 99 R 61525 ....Net. 19 ea., 10 for 1.69 DPDT KWIFE SWITCH
Overall size $156 \mathbf{R}^{23} \mathbf{3}^{\prime \prime}$. Shpg. wt. 3 oz. 99 R 61533

Net ea, 29

Telephone Type 4 PDT, Lever switch: 3 position 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: $21 / 8^{\prime \prime}$ long behind panel, $5 / 8 \mathrm{~W} \times 1 \mathrm{H}_{4}{ }^{\circ} \mathrm{H}$. Shpg. wt., 3 oz. Imported.
99 R 61491
Net ea. 79
In Lats of 5.69

## RUGGED TELEPHONE TYPE 4PDT LEVER SWITCH

CHROME PLATED CAM $79^{\circ}$

Perfect for ultra-small switch applications. Rated current capacity, 3 amps at 125 volts. Can withstand up to 1000 V AC. Solder lug terminals. Measures $15 / 16 \mathrm{~L} \times 1 / 4 \mathrm{~W} \times 3 / 8^{\circ}$ D. Mounting centers: $\mathbf{1 3 / 1 6 "}$. Shpg. wt., 2 02. Imported.

99 R 61863
Net, 29

## DOMC MINIRTURE DPDT



3 PDT AC-OC Slide switch: Rated at 500 microamps at 100 V . Solder lug terminals. Measures 3/4"Wx17/8"Lx7/8"D. Overall including 5/16" trigger. Mounting centers 11/".' Shpg. wi, 4 oz. imported. 99R 61665

# Switches for Industry and Experimenters 

## MAGGNETIC PROXIMITY SWITCH

- Magnet Switch-Circuit Closes

When Magnet Approaches Switch

- Activating Magnet Supplied
- Hermetically Sealed

An ingenlous little device that has untold uses in the home-in a burglar alarm system, electric trains, "madic tricis," and many more. As the magnet approacties the switch. the circult closes. Hermetically sealed; precious metal contacts: 1 millisecond actuation. 15 watts resistive max. up to 1 amp to 250 volts. SIze: ?ty. "with leads. 34 R 44015 Shpg. wt., 3 oz. .... Net 1.85

## MERCURY SWITCH KTT

- Sitent-Swift Positive Action
- Hermetically Sealed In Class $\quad$ _

This kit of five mercury wetted switches is ideally suited to the needs of hobbyists and experimenters. Tilt activated switches come in varying shapes and current carrying capacities, with recommended naximum load at 115 V AC resistive. the largest switch is rated at 5 amps., 115 V . AC with smaller types rated down to 1 amp .. 115 V AC of less. 19 R 21253 Shpg. wL., 402 ... Net ea. 2.98

## LINEMASTER FOOT SWITCHES



Model B-2.5 "Erecutive." Two momentary SPOT switches side by side. Interlock pre vents both circuits from being operated at same time. Both sides normally off when not in use. 15 2mps, 125 VAC. $45 \mathrm{mx4r1140}^{*}$. Shpg. wt., 1 H libs.
34 R 36086
Net ea. 7.50
Model T51-s "Treadilte". Compact, rugged. SPDT momentary contacts rated 7 amps at $125-250 \mathrm{v}$. AC. $1 / \mathrm{H} . P$. at 115 v . AC. Rubber tread and shid-proof base $31 / 2 \times 2 / 4 x 1^{1-}$. Shpg. wt. 1002
34 R 36011
Net ea. 2.90
Modef Tst-5c-Same with a six ft. cord and two prong series plug. U.L. Listed. Shpg. wt., 1 th.
34 R 36029
Net ea. 4.35
Model T-51-5c.3-Same 25 above but with 3 conductor cord and 3 prong grounded series plug U. Listed. Sapg. wt. $11 / \mathrm{s} 10$. 34 R 36078

Net ea. 5.60
Moder 491.3 "Compact"-SPDT momentary contacts rated 10 amps 125 v . AC, $1 / 2 \mathrm{HP}$ at 115 v . AC. Steel housing, blach wrintie finish. skid-proof base. $27 / 6 x^{2} 1 / 2 \mathrm{~m}^{2} 1 /{ }^{\prime \prime}$. Wt. 9 oz . 34 R 36037

Net ea. 3.50
Model 481-SC3-Same with eight foot cord and three prong grounded series plug. Shpe wt., $11 / 4 \mathrm{lbs}$. U.L. Listed.
34 R 36094 Net ea. 6.45

HENVY DUTY LOCK SWITCH


- For Burgiar Alarm Systems
- Hidden Auto Disconnect
Heavy duty bakellte construction insures minimum internal resistance and greater current carrying capacity. Entra heavy contacts. Terminals set for simple installation -well recessed to prevent shorting. Instalis in any hole from 3/4* to $110^{\circ}$ Ia dia., in any panel up to $3 / 4^{-}$thick. Two terminal single panel up to $3 / 4^{\circ}$ thich. Two terminal single
throw. Key can be removed in both "on" and "off" position. Prevents tantpering with autemotive equipment. Activates alarm sys. tems-anly ley can shut off. Sultable for marine equipment. With 2 keys. Wt., 5 oz. 33 R 64015

Net 1.59

## ILLUMINATED "SEE-SAW" SWITCH



Mtg. centers 1 ha SPST. FIlip action, rocher arm type, rated at 125 V AC, 10 amp. Illuminated. Fuity enclosed. Mounts flush in paneis up to 1/8 thick. Requires mounting hole $116 \times 5 / 3^{\prime}$ Imported. Shpg. wt., $1 / 4$ tb 99 R 62598

Net ea 1.09
Lots of 10 ea. . 99

## DPDT 'SEE-SAW' SWITCH 50 c

Flip action, recker arm tyve equipment switch. Mounts flush in damel up to $1 / 8^{\prime \prime}$ thich. Requires rectangutar mounting hole $1 / 2 \times 11 / \mathbf{m}^{\prime \prime}$ long. Mtg. Centers $1 \frac{1}{}{ }^{* \prime}$. Rated 4 amps at $125 V$ AC. Imported. Wt. $1 / 4 \mathrm{ib}$.
99 R 61574
Net $\epsilon$ a. . 59
4 POLE-3 POSITION


Foas 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 $11 / 4$. Depth behind panet, meluding lugs, $3 / 4^{-}$. Bushing $3 / 8^{-} \times 3 / 8^{-} 1 / 4^{-}$inurted shaft, $11 / \mathrm{s}^{\prime \prime}$ long. shpg. wt., 3 ozs. Imported. 99 R 61566

Netea. . 59
Lots of 10 ea. .53

## RUGGED LEVER SWITCH FOR AUDIO AND INTERCOMS


eppr Audia Lever Swhtel: has 2 dual sets of singlo pole, double throw contacts. One set Is momentary contact-spring return, (press-to-tall). In the reverse position of the lever (dictate), the second set of contacts remain in the positive position until released. Panel mounting, mig. centers $1^{\prime \prime}$ spart. Size $21 /{ }^{\prime \prime}$ bong behind panel. $1 \mathrm{~K}_{0}{ }^{-W} \times 1=\mathrm{H}$. imported. Smpg. wt., 4 oz.
99R 61582
Net ea. 1.09
Depend on Lafayette For Complete Stocks, Lancest Prices, Festest Sprvice

## HART AND HEGEBRAN MOMENTARY PUSH BUTTO SWITCHES



Metal base push switches with laminated phenolic sections, slotted sleeve $15 / 32$ diam., $7 / 16^{\circ}$ long. All have solder log terminal, and plain tops. Complete with mounting ring and nut. Rated la 125 VAC. Shpg. wt., 3 oz.

|  | Mfs. | 1- Not Each |  |
| :--- | :--- | :--- | :--- |
| Stoch Mo. | Me. | 24 | $25-U_{p}$ |


| 2 CINCUIT-ONE M.D., ONE N.C. |  |  |
| :---: | :---: | :---: |
| 34 R 34503 | 3392 E | 1.05 |

Identical to the above switches except slotted sleeve is " $\mathrm{K}_{\mathrm{g}}$ " by $\mathrm{K}_{0}$ " long. Shpg. wt. 302.

34 R 34550 3391 . 82 . 75

| NORMALLY OPEM-STST |  |  |  |
| :---: | :---: | :---: | :---: |
| $34 R 34594$ | $3391 E$ | .82 | .75 |

Type 3391-194 Snap-On Insulator Buttons for any of the above swilches. WI. 2 dz.
34 R 3452: Red
Net ea. 24
34 R 34635 Black
Net ea. 24

## SWITCHCRAFT TIAN.SWITCH

Subminiature push-button switch for use in limited space applications. Speciatly useful in minia-turized-transistor devices, microphones, intercoms of wherever an extra small switch is desired. One-piece plastic shaft available One-plece plastic shaft available in red or mack. Suitable for low
level clicuits only. No=mormally open. NC= normally slosed. Threaded 1/4- bushing. 11/16" lang, requires 3/8* behind panel. Shag. wt., 202.

| Stock Ne. | MIS. No. | Contracts | Netea. |
| :---: | :---: | :---: | :---: |
| 34 R 50011 | 961 | SPST-NO | . 53 |
| 34 R 60029 | 962 | SPST-NC | . 63 |
| 34 ค 60037 | 963 | SPDT | . 75 |
| Hed Type |  |  |  |
| 34 R 50045 | 951 | SPST-NO | 63 |
| 34 180052 | 952 | SPST-NC | . 63 |
| 34 R 60050 | 953 | SPDT | . 75 |

## REAR SEAT SPEAKER CONTROLS


$B$
Controls :ome completery mounted on blach and silver metal plate with ivory pointer hnob plus attached wiring for connections to both speakers. With mounting hardware and instructions. Imported. Shpg. wt., 3 oz . FADER TYPE (Fit. A)
Controls the volume of both front and rear speakers. Gradually reduces the volume on one while increasing volume on the other. 32 R 22585

Net ea. .es SWITCN TYPE (Fic. A)
Gives choice of front speater alane, rear speaker alone, or both together.
32 R 22577
Net ea. 89
pusw-sutton TrPe (Fig. B)
Just push a button to select front speaker alone, rear speaker alone, or both together. 32 R 22569

Net ea. 1.24
Lafayette Cat. Mo. 720271

## Selected Replacement Capacitors.

# SPRAGUE 500D MINIATURE METAL-CASE ALUMINUM ELECTROLYTIC CAPACITORS 

## ECONOMY TUBULAR ELECTROLYTICS

These electrolytlc capacttors are specifically designed for service replacement applications. All single electrolytics are hermetically sealed in alumi. num cans with outer cardboard Insulating sleeves and have solid tinned copper leads. Dual and triple section electrokeliable miniature aluminum electrolytic capacitors suitable for lytics have wax impregnated cardboard miniature electronic circuitry. Excellent replacement for transistorized
 $13 / \mathrm{s}=$. Shpg. wt., 2 oz.

| Stock No. | ${ }_{\mu} \mathbf{F}$ | $\begin{aligned} & \text { Het } \\ & 1.99 \end{aligned}$ | $\begin{aligned} & \text { Lach } \\ & 100 \text { Up } \end{aligned}$ | Stock Ne. | $\mu \mathrm{F}$ |  | $\begin{aligned} & \text { ach } \\ & 00 \text { Up } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 6 Volt |  |  | 25 Volt |  |  |  |
| 34 9 85273 | 1 | . 48 | - 315 | 34 R 85588 | 1 | . 48 | . 315 |
| 34 R 85281 | 2 | . 48 | . 315 | 34 R 85596 | 2 | . 45 | . 30 |
| 34 R 85299 | 3 | . 48 | . 315 | 34 R 85604 | 2 | . 48 | . 33 |
| 34 R 85307 | 5 | . 48 | . 315 | 34 R 85612 | 6 | . 48 | . 315 |
| 34 R 85315 | 10 | . 48 | . 33 | 34 R 85620 | 10 | . 48 | . 33 |
| 34 R 85323 | 15 | . 48 | . 33 | 34 R 85638 | 15 | . 51 | . 345 |
| 34 R 85331 | 20 | . 48 | . 315 | 34 \% 85646 | 25 | . 54 | . 36 |
| 34 R 85349 | 25 | . 51 | . 345 | 34 R 85653 | 35 | . 57 | . 39 |
| 34 R 85356 | 100 | . 57 | . 39 | 34 R 85651 | 50 | . 60 | . 405 |
| 34 R 85364 | 150 | . 60 | . 405 | 34 R 85679 | 75 | . 63 | . 435 |
| 34 R 85372 | 200 | . 57 | .39 | 34 R 85687 | 100 | . 63 | . 42 |
| 34 R 85380 | 250 | . 60 | . 405 | 34 R 85695 | 150 | . 66 | . 45 |
| 34 R 85398 | 300 | . 69 | . 465 | 34.R85703 | 200 | . 72 | . 495 |
| 34 R 85406 | 400 | . 66 | . 45 | 50 Velt |  |  |  |
|  |  |  |  | 34 R 85711 | 1 | . 45 | . 30 |
|  |  |  |  | 34 R 85729 | 2 | . 48 | . 33 |
|  |  |  |  | 34 R 85737 | 3 | . 48 | . 315 |
|  | 16 Volt |  |  | 34 R 85745 |  | . 51 | . 345 |
| 34 R 85414 | 1 | . 48 | . 315 | 34 R 65752 | 10 | . 45 | . 30 |
| $34 \text { R } 85422$ | 2 | . 48 | . 315 | 34 R $85760^{\circ}$ | 20 | . 54 | . 375 |
| 34 R 85430 | 5 | . 45 | . 30 | 34 R 85778 | 35 | . 57 | . 39 |
| 34 R 85448 | 6 | . 48 | . 33 | 34 R 85786 | 50 | . 63 | . 42 |
| 34 R 85455 | 8 | . 48 | . 33 | 34 R 85794 | 75 | . 66 | . 45 |
| 34 R 85463 | 10 | . 48 | . 315 | 34 R 85802 | 100 | . 72 | . 495 |
| 34 R 85471 | 15 | . 51 | . 345 |  | 100 Volt |  |  |
| 34 R 85489 | 20 | . 48 | . 33 | 34 R 85810 | 2 | . 57 | . 39 |
| 34 R 85497 | 25 | . 54 | . 36 | 34R85828 | 4 | . 63 | . 435 |
| 34 R 85505 | 30 | . 51 | . 345 | 34 R 85836 | 5 | . 66 | . 45 |
| 34 R 85513 | 35 | . 54 | . 375 | 34 R 85844 | 10 | . 72 | . 495 |
| 34 R 85521 | 50 | . 54 | . 36 | 34 R 85851 | 20 | . 78 | . 525 |
| 34 R 85539 | 75 | . 54 | . 375 |  |  |  |  |
| 34 R 85547 | 100 | . 57 | . 39 |  | 150 Volt |  |  |
| 34 R 85554 | 150 | . 60 | . 405 | 34 R 85869 |  | . 53 | .375 |
| 34 R S5562 | 200 | . 66 | . 45 | 34 R 85877 | 10 | . 73 | -435 |
| 34 R 85570 | 350 | . 78 | . 525 | 34 R 85885 | 10 | . 72 | . 48 |



## Cornell-Mallory-Sprague-Aerovox

## TUBULAR ELECTROLYTIC CAPACITORS

## CORNELL BLUE BEAVER

Cornell Dubilier types BR anc BBRD are dry electrolytics in compact afmminum cases. Highest quality for TV geners! replacement with extra safety for high surge voltages in power supplies. Very low lealage. Operating temperature up to $85^{\circ} \mathrm{C}$.

## MALLORY TC

Mallory type TC dry electrofitic capacitors are housed in aluminum cortadners. These compact units are of the highest quality and are ideal for use in TV radio and generaf replacement in electramic circuitry. Low leakage and bulit-in safety factors against high voltage surges. Joerating temperature up to $85^{\circ} \mathrm{C}$.

SINGLE SECTION

| $\begin{gathered} \text { Stack } \\ \text { No. } \end{gathered}$ | HET EECM IN LOTS OF |  |  |  | $\begin{aligned} & \text { Smelk } \\ & \text { wo. } \end{aligned}$ | $\begin{aligned} & \text { Cap. } \\ & \text { MFD. } \end{aligned}$ | WET EACH TM LOTS OF |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cap. MFB. |  | 1.24 | $\begin{aligned} & 25 \\ & 49 \end{aligned}$ |  |  |  |  | $25-$ |
| R 15082 | 1000 | 3 | 1.05 | . 82 | 34 R 35409 | 40 | 150 | 81 | . 64 |
| 34 R 84011 | 50 | 6 | . 57 | 45 | 34 R 55417 | 50 | 150 | 84 |  |
| 34 R 55102 | 100 | 6 | . 72 | . 56 | 34 R 55425 | 60 | 150 | . 90 | . 70 |
| 34 R 55110 | 250 | 6 | 81 | . 64 | 34 R 55433 | 80 | 150 | 96 | . 76 |
| 34 R 55128 | 500 | 6 | . 93 | . 74 | 34 R 55441 | 100 | 150 | 1.05 | . 83 |
| 34R55136 | 1000 | 6 | 1.14 | . 90 | 34 R 55458 | 50 | 150 | 2.14 | 90 |
| 34 R 75027 | 1500 | 6 | 1.26 | . 99 | 34 R 75134 | 200 | 150 | 1.35 | 1.03 |
| 34 R 75035 | 2000 | 6 | 1.38 | 1.09 | 34 R 75373 | 300 | 150 | 1.68 | 1.30 |
| 34 R 75043 | 100 | 12 | . 72 | . 57 | 33 R 15421* | 200 | 200 | 1.70 | 1.27 |
| 34 R 75050 | 250 | 12 | . 87 | . 69 | 34 R 75381 | 4 | 250 | . 66 | . 52 |
| 34 R 75068 | 500 | 12 | 1.02 | 80 | 33 R 15124 | 5 | 250 | . 75 | . 54 |
| 34 R 75076 | 1000 | 12 | 1.35 | 1.07 | 34 R 75142 | 8 | 250 | . 69 |  |
| 34 R 55144 | 100 | 15 | . 75 | . 58 | 33 R 15132 | 10 | 250 | . 72 | . 57 |
| 33 R 15090 | 200 | 15 | 90 | . 67 | 34 R 55466 | 12 | 250 | . 75 | . 59 |
| 34 R 55151 | 250 | 15 | . 93 | . 74 | 34 R 55474 | 16 | 250 | . 78 | . 61 |
| 34 R 55169 | 500 | 15 | 1.05 | 83 | 34 R 55482 | 20 | 250 | . 81 | . 64 |
| 34 R 5517 | 1000 | 15 | 1.38 | 1.09 | 34 R 55490 | 30 | 250 | . 87 |  |
| 34 R 55185 | 2000 | 15 | 1.92 | 1.43 | 34 R 55508 | 40 | 250 | . 93 | 74 |
| 34R56225 | 3000 | 15 | 2.37 | 1.82 | 34 R 55516 | 50 | 250 | 1.02 | . 81 |
| 34 R 56233 | 4000 | 15 | 3.00 | 2.25 | 34R55524 | 60 | 250 | 1.08 | . 85 |
| 34 R 56241 | 5000 | 15 | 3.27 | 2.45 | 33 R 15439 | 140 | 300 | 1.85 | 1.38 |
| 34 R 84029 |  | 25 | 54 | . 43 | 34 R 55532 |  | 350 | . 63 |  |
| 34 R 84110 |  | 25 | 60 | . 46 | 33 R 15140 | 5 | 350 | . 63 | . 50 |
| 34 R 75084 | 10 | 25 | 60 | 47 | 34 R 75159 | 10 | 350 | . 75 | . 60 |
| 34 R 75092 | 16 | 25 | . 60 | 43 | 34 R 55565 | 16 | 350 | . 84 | . 67 |
| 34 R 55193 | 20 | 25 | . 60 | . 48 | 34 R 55573 | 20 | 350 | . 87 | . 69 |
| 34 R 55201 | 25 | 25 | . 60 | . 46 | $34 R 75167$ | 24 | 350 | . 93 |  |
| 34R55219 | 50 | 25 | . 66 | . 52 | 34R55581 | 30 | 350 | . 99 | 78 |
| 34 R 55227 | 100 | 25 | 81 | . 64 | 34R55599 | 40 | 350 | 1.05 | . 82 |
| 34 R 55235 | 250 | 25 | 1.02 | . 80 | 34 R 55607 | 50 | 350 | 1.11 | 87 |
| 34 R 55243 | 500 | 25 | 1.38 | 1.09 | 34 R 75399 | 60 | 350 | 1.17 | . 93 |
| 34 R 56258 | 1000 | 25 | 2.37 | 1.39 | 33 ค 15447* | 150 | 400 | 2.38 | 1.77 |
| 34 R 56266 | 2000 | 25 | 2.91 | 2.19 | 34R55615 | 1 | 450 | . 66 | . 52 |
| 33 R 15108 | 1 | 50 | . 54 | 43 | 34 R 55623 |  | 450 | . 66 | . 53 |
| $34 R 75100$ | 2 | 50 | . 54 | 43 | 34 R 55631 | 4 | 450 | . 69 | 54 |
| 34 R 55250 | 5 | 50 | . 60 | 46 | 33 ¢ 15857 | 5 | 450 | 72 | . 62 |
| 34R55268 | 10 | 50 | . 60 | 47 | 34 R 55649 | 8 | 450 | . 75 | . 60 |
| 34 R 75118 | 20 | 50 | . 60 | 48 | 34 R 55656 | 10 | 450 | . 78 | . 61 |
| 34R55276 | 25 | 50 | . 63 | . 49 | 34 R 55672 | 16 | 450 | . 8 | . 68 |
| 34 R 75126 | 50 | 50 | . 72 | . 57 | 34 R 55680 | 20 | 450 | 93 | . 74 |
| 34 R 55284 | 100 | 50 | 84 | . 66 | 34 R 55698 | 30 | 450 | 1.02 | 1 |
| 34 R 55292 | 150 | 50 | .93 | . 73 | 34 R 55706 | 40 | 450 | 1.08 | 85 |
| 34 R 55300 | 250 | 50 | 1.05 | . 83 | 34 A 75175 | 50 | 450 | 1.26 | 99 |
| 34R55318 | 500 | 50 | 1.44 | 1.13 | 34 R 55714 | 60 | 450 | 1.11 | 1.12 |
| 34 R 56274 | 1000 | 50 | 2.34 | 181 | 34 R 55722 | 80 | 450 | 1.95 | 1.51 |
| 34 R 58189 | 1500 | 50 | 2.28 | 1.02 | 34.85183 | 100 | 450 | 1.92 | 1.53 |
| 34R 58197 | 2000 | 50 | 3.48 | 2.60 | 34 R 55730 | 4 | 500 | . 72 | . 56 |
| 34 R 55326 | 4 | 150 | -60 | 47 | 34 P:55748 | 10 | 500 | . 78 | . 62 |
| 33 R 15116 | 5 | 150 | . 60 | 48 | 34 R 75191 | 10 | 500 | 81 | 64 |
| 34 R 55334 | 8 | 150 | . 63 | . 49 | 34 R 55771 | 20 | 500 | . 96 | . 83 |
| 34 R 55342 | 10 | 150 | . 63 | . 48 | 34 ค 55789 | 30 | 500 | 1.05 | . 79 |
| 34 R 55359 | 12 | 150 | . 66 | . 52 | 34 R 55797 | - | 600 | 1.83 | 1.42 |
| 34 R 55367 | 16 | 150 | . 69 | . 54 | 34 R 55805 | 10 | 600 | 2.19 |  |
| 34 R 55375 | 20 | 150 | . 72 | . 56 | 34 <br> 34 <br> 34 | 16 | 600 600 | 2.49 2.58 | 1.93 2.00 |
| 34 R 55383 | 25 | 150 | . 75 | . 59 | 34 R 55839 | 8 | 700 | 1.74 | 1.33 |
| 34. 55391 | 30 | 5 | . 78 | . 61 | 34 P 55862 | 16 | 700 | 2.25 | 1.69 |

SPRAGUE "ATOMS"
Sprapue trpes TVA and TV are dry elec. trolytics in extremely compact metal cases. They are designed to withstand high surge voltages and high ripole currents making them ideal for TV replacements, power supplies_etc. Leakage is very low. Efficient at temperatures up to $85^{\circ} \mathrm{C}$.

## AEROVOX DANDEE

Aeronox type PRS are dry electrolytic in compact aluminum cases. Dependable replacements for TV and all electronic equipment when a quafity unit is required. Featere low leakage high vertage surge protection and operating temperature up to $85^{\circ} \mathrm{C}$.

## STANDARD BRANDS

Because no one manufacturer offers all sizes, we have made this integrated list. Your order will be fllled with one of the 4 famous brands illustrated. We will supply any particular manufacturers brand specified, if avallable in the size desired. Avg. shpg. wt., 4 ozs.

DUAA SECTION-
COMMON NEGATIVE

| $\begin{aligned} & \text { Stoch } \\ & \text { Mo. } \end{aligned}$ | MET EACN IN LOTS OF |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Cap. Mird. | W.V. | 1-24 | 25 |
| 33 R 15165 | 25-25 | 25 | 1.00 | . 77 |
| 34R55896 | 10-10 | 50 | . 96 | . 75 |
| 34 R 55912 | 20-20 | 150 | 1.05 | 80 |
| 34 R 55920 | 20-20 | 150 | 1.02 |  |
| 34 R 55938 | 30-30 | 150 | 1.08 | 86 |
| 34 R 55946 | 40-20 | 150 | 1.14 | 88 |
| 34855961 | 40-40 | 150 | 1.11 | . 88 |
| 34 R 55979 | 50-30 | 150 | 1.17 | . 91 |
| 34855987 | 50-50 | 150 | 1.26 | . 96 |
| 34 R 84078 | 80.30 | 150 | 1.32 | 1.05 |
| 34 R 55995 | 80.40 | 150 | 1.32 | 1.01 |
| 34 R 75241 | 80-50 | 150 | 1.41 | 1.09 |
| 33 R 15470* | 100-50 | 150 | 1.62 | 1.21 |
| 34 R 56015 | 100-100 | 150 | 1.92 | 1.47 |
| 34 R 75290 | 10-10 | 250. | 1.07 | . 85 |
| 34R 56050 | 20-20 | 250 | 1.11 | 88 |
| 34 F 56084 | 8-8 | 450 | 1.17 | . 91 |
| 34 R 75308 | 10-10 | 450 | 1.23 | . 98 |
| 34 R 56100 | 16.16 | 450 | 1.35 |  |
| 34 R 56.118 | 20.20 | 450 | 1.50 | 1.18 |
| 34 R 56126 | 30-30 | 450 | 1.95 | 1.51 |


| DUAL UNITS- |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| SEPARATE SECTIONS |  |  |  |  |

TRIPLE SECTION

| $\begin{aligned} & \text { Stects } \\ & \text { Ne. } \end{aligned}$ | Cas. <br> MPD. | NETEACH IM L9TS OF |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | W.V. | 1-24 | 25 |
| 34 R 56324 | 30-25-20 | 150 | 1.80 | 1.40 |
| 34 R 56340 | 40-20-20 | 150 | 1.80 | 1.48 |
| 34 R 56357 | 40-30-20 | 150 | 1.86 | 1.4 |
| 34 R 56365 | 40-40-20 | 150 | 1.86 | 1.45 |
| $34 R 75456$ | 50-30-20 | 150 | 1.89 | 1.50 |
| 34 R 56381 | 80-40-20 | 150 | 1.98 | 1.54 |
| 33 R 15280 | 80.50.50 | 150 | 2.10 | 1.63 |
| 34 R 56464 | 50-30-20 | $150 / 25$ | 1.86 | 1.43 |

QUADRUPLE UNITS

|  |  | It E | IN | Ts |
| :---: | :---: | :---: | :---: | :---: |
| Stack | Cap. MFO. | W. Y. | 1.24 | $25$ |

## 34 R 56647 50-50-50-20

$150 / 252.071 .63$
34 R 83385 80-10-40-1000
$400 / 400 / 300 / 50 \quad 3.27 \quad 2.50$

- Cardibeard Tubular Wax-Filled Electrolytics


# Twist Prong Capacitors 



Because no one manufacturer makes all sizes, we have made this comprehensive integrated list. Orders will be filled with

CAPACITORS SIZE CHART
Average shpg. wt. 8 oz.

| Code | Dia. x H | Code | Dia. XH | Code | Dia. H |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A | $3 / 4^{\prime \prime} \times 2^{\prime \prime}$ | F | $1^{\prime \prime} \times 358{ }^{\prime \prime}$ | J | 13**"×31/2" |
| B | $1^{\prime \prime} \times 2^{\prime \prime}$ | G | 138 "x2" | K | 13/8"x 3 \% ${ }^{\text {c/ }}$ |
| C | $1^{\prime \prime} \times 21 / 2^{\prime \prime}$ | H | 13/6"x21/2** | 1 | $13 / 8$ "x4" |
| 0 | $1^{\prime \prime \prime} \times 3^{\prime \prime}$ | 1 | $13 / 6^{\prime \prime} \times 3^{\prime \prime}$ | M | $13 / 8{ }^{\prime \prime} \times 41 / 8{ }^{\text {c }}$ |

SPRAGUE
TYPE
TVL

## MALLORY TYPES

 FP-WPone of the famous brands listed above. Ideal for high ripple selenium rectifier circuits. Average shpg. wt., 5 oz.

## SINGLE SECTION TWIST PRONG

| Stock No. | Mfd. | 0CWV | Size | $\begin{gathered} \text { NET } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { EACH } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 84771 | 4000 | 15 | 1 | 3.33 | 2.40 |
| 34 R 76025 | 500 | 50 | G | 1.83 | 1.20 |
| 34 R 76033 | 1000 | 50 | K | 2.58 | 1.61 |
| 34 R 76041 | 1500 | 50 | G | 3.03 | 2.01 |
| 34R 76082 | 100 | 150 | C | 1.38 | . 82 |
| 34 R 76108 | 120 | 150 | c | 1.50 | 1.01 |
| 34\% 76116 | 140 | 150 | 0 | 1.50 | 90 |
| 34R 76157 | 300 | 150 | 1 | 1.95 | 1.33 |
| Stock No . | Cap. | OCw | Size | NET | EaCH |
|  |  |  |  |  |  |
| 34 R 76702 | 20-20 | 150 | 8 | 1.17 | 1.05 |
| 34R76751 | 40-40 | 150 | 8 | 1.32 | .88 |
| 34 R 76769 | 50-30 | 150 | 8 | 1.38 | . 88 |
| 34 R 76777 | 50.50 | 150 | c | 1.50 | 91 |
| 34 R 76793 | 70-30 | 150 | c | 1.53 | 91 |
| 34 R 76819 | 80.40 | 150 | c | 1.59 | 1.11 |
| 33 R 15371 | 80-50 | 150 | c | 1.65 | . 97 |


| Stock No | Mfd. | DCWV | Size | $\underset{1-24}{\text { HET }}$ | $\begin{aligned} & \text { EACH } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 57991 | 120 | 200 | G | 1.57 | . 0 |
| 34 R 76199 | 100 | 250 | E | 1.86 | 98 |
| 34 R 76207 | 150 | 250 | H | 2.13 | 1.15 |
| 34 R 83278 | 160 | 250 | H | 2.13 | 1.29 |
| 34 R 58015 | 200 | 250 | 1 | 2.52 | 1.46 |
| 34 R 76306 | 150 | 350 | K | 2.73 | 1.60 |
| 34 R 76314 | 10 | 450 | B | 1.02 | 72 |
| 34 R 76348 | 40 | 450 | D | 1.41 |  |


| Stock No. | Mfo. | DCWV | Size | $\begin{aligned} & \hline \text { NET } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25-49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 76311 | 80 | 450 | 1 | 2.10 | 1.45 |
| 34 R 76389 | 100 | 450 | 1 | 2.37 | 1.61 |
| 34 R 76397 | 125 | 450 | M | 2.64 | 1.83 |
| 34 R 76413 | 10 | 500 | B | 1.17 | . 75 |
| 34 R 76439 | 30 | 500 | 0 | 1.38 | . 98 |
| 34 R 76447 | 40 | 500 | F | 1.71 | 1.09 |
| 34 R 76454 | 80 | 500 | K | 2.49 | 1.69 |
| 34 R 76462 | 90 | 500 |  | 2.40 |  |

DUAL SECTION TWIST PRONG

| Stock No. | Cap. Mid. | OCWV | Size | $\begin{aligned} & \text { NET } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25-4 B \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 76587 | $100 \cdot 100$ | 350 | M | 4.23 | 1.99 |
| 34 R 76611 | 80-80 | 400 | M | 3.42 | 2.09 |
| 34 R 83286 | $80-2$ | 450.350 | 0 H | 2.31 | 1.57 |
| 34 R 76942 | 10-10 | 450 | B | 1.32 | . 90 |
| 34 R 76967 | 20.20 | 450 | D | 1.77 | 1.06 |
| 34 R 76975 | 30.10 | 450 | D | 1.65 | 1.06 |
| 34 R 77015 | 40-40 | 450 | 1 | 2.37 | 1.56 |


| Stock No. | Cap. Mfd. | DCWV | Size | $\begin{aligned} & \text { MET } \\ & 1.24 \end{aligned}$ | $\begin{aligned} & \text { EACH } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 77023 | 50-50 | 450 | 1 | 2.64 | 1.73 |
| 34 R 77072 | 80-40 | 450 | K | 3.48 | 1.91 |
| 34 R 77148 | 20-20 | 500 | H | 1.95 | 1.34 |
| 34 R 77155 | 30-10 | 500 | H | 1.71 |  |
| 33 R 15397 | 30-30 | 500 | 1 | 2.25 | 1.56 |
| 34 R 77163 | 40-40 | 500 | K | 2.97 | 1.79 |
| 34 R 77171 | 60-40 | 500 | K | 3.18 | 2.0 |

TRIPLE SECTION TWIST PRONG

| Stock No. | Cap. | WVOC | Siz |
| :---: | :---: | :---: | :---: |
| 34 | 80.60-250 |  | H 204 |
| 34 R 79649 | 80.40-20 | 150 | 2 |
| 34 R 79698 | 40-40-40 | 150 | 1.80 |
| 34 R 79730 | 80-40-20 | 150 | 2.01 |
| 34 R 79821 | 140.100-60 | 300.300 | 4.17 |
| 34 R 79847 | 80-40-40 | 300 | 3.27 |
| 34 R 79870 | 125-5.100 | 350-200 | K 3.26 |


| Stack Mo. | Cap. Mfd. | WVOC | Size | Ea. | Stock No. | Cap. Mfd. | WVOC | Size | Ea |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 79938 | 80-40-100 | 350-350-200 | 1 | 4.48 | 33 R 15405 | 20-10-10 | 450 | D | 2.01 |
| 34 R 74046 | 100-10-80 | 400-400-350 | M | 4.20 | 34 R 74236 | 20-20-20 | 450 | H | 2.49 |
| 34 R 74087 | 10-10-20 | 450-450-25 | B | 1.65 | 34 R 74285 | 40-30-20 | 450 | 1 | 2.97 |
| 34 R 74095 | 20-20-20 | 450-450-25 | 0 | 2.10 | 34 R 74301 | 40-40-20 | 450 | K | 3.06 |
| 34 R 74111 | 40-40-20 | 450-450-25 | 1 | 2.70 | 34 R 74319 | 40-40-40 | 450 | K | 3.39 |
| 34 R 74178 | 80-20-100 | 450-450-50 | M | 3.30 | 34 R 74350 | 80-40-20 | 450 | M | 3.72 |
| 34 R 74228 | 10-10-10 | 450 | c | 1.80 | 34 R 74392 | 30-20-20 | 500 |  | 2.91 | QUADRUPLE SECTION TWIST PRONG


| Steck | Cap. Mfo. | WVDC | Size | NET EACH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 R 74418 | 50 |  | G | 48 |  | . 05 |
| 34 R 7442 | 60-40-20-2 | 150-150-150-10 |  |  |  | 9 |
| 34 R 58106 | 60-100-60-40 | 350-350-200.75 | M | 4.10 | 2.43 | 2.05 |
| 34 R 74632 | 40-40-40-40 | 350-350-350-25 | 1 | 3.60 | 1.75 | 1.40 |
| 34 R 84912 | 70-40-10-50 | 350-350-350-50 | 1 | 3.63 | 1.77 | 1.42 |
| 34 R 84904 | 100-20-10-20 | 350-350-350-50 | ) | 3.72 | 1.80 | 1.44 |
| 34 R 74574 | 40-40-40-40 | 350 | K | 3.84 | 1.99. | 1.60 |
| 34 R 74699 | 100-10-30-20 | 400-400-50-50 | K | 3.51 | 1.91 | 1.53 |
| 34 R 74723 | 80-40-10-100 | 400-400-400-200 | M | 4.38 | 2.30 | 1.84 |
| 34R 83302 | $30-20 \cdot 160-40$ | $450-450 \cdot 250 \cdot 150$ |  | 4.08 | 2.15 | 1.72 |


| Stock No. | Cap. Mfd. | WVDC | Sire | NET EACH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.24 | 25-49 | 50-99 |
| 34 R 63310 | 80-50-20-50 | 450-450-250-50 | l | 4.11 | 2.29 | 1.84 |
| 34 R ${ }^{\text {P }} 3328$ | 80-50-10-20 | 450-450-450-25 | 1 | 3.99 | 2.28 | 1.83 |
| 34 R 74848 | 40-30-10-20 | 450-450-450-25 | 1 | 3.09 | 1.76 | 1.41 |
| 34 R 84953 | 80-40-40-40 | 450-450-450-25 | L | 4.44 | 2.46 | 1.97 |
| 34 R 74921 | 10-10-10-10 | 450 | G | 2.31 | 1.39 | 1.11 |
| 34 R74939 | 20-20-20-20 | 450 | 1 | 3.24 | 1.73 | 1.39 |
| 34 R 74947 | 30-30-20-20 | 450 | $k$ | 3.60 | 1.91 | 1.53 |
| 34 R 74970 | 40.20-10.10 | 450 | 1 | 2.67 | 1.57 | 1.22 |
| 34 R 73014 | 40-40-20-20 | 450 | M | 3.84 | 2.04 | 1.63 |
| 34 R 73030 | 40-40-40-40 | 450 | , | 4.44 | 2.41 | 1.53 |
| 34 R 73113 | 20-20-10-10 | 475 | H | 3.00 | 1.66 | 1.33 |

## Centralab Ceramic Capacitors

Low Voltage Capacitors for Transistor Circuits


TYPE UK AND UK- 10 ULTRA.KAPS UK rated 3 WVDC, tolerance GMV; UK-10 rated 10 WVDC; fol. $+80 \%$, $-20 \%$. Shpg. wt., 2 or.

| Stock Me. | $\begin{aligned} & \text { Mfrs. } \\ & \text { Iype } \end{aligned}$ | Cap. mid. | $\begin{aligned} & \text { Mel Price } \\ & 1.59 \text { 100 up } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 R 21221 | UK104 | . 1 | 42 | . 33 |
| 33 R 21239 | UK224 | 22 | 30 | . 24 |
| 33 R 21247 | UK474 | .47 | 30 | 24 |
| 33 R 21254 | UK105 | 1.0 | . 35 | . 29 |
| 33-21262 | UK225 | 2.2 | . 42 | . 33 |
| TYPE UK. 10 |  |  |  |  |
| 33 R 21270 | UK10-503 | . 05 | . 18 | . 14 |
| 33 R 21208 | UK10-104 | . 1 | . 18 | . 14 |
| 33 R 21296 | UK10.204 | 2 | . 30 | . 24 |
| 33 R 21304 | UK10-474 | .47 | 42 | 313 |

## TYPE DM MIN KAPS

$11 / 32 x^{1} / 2 x y / /^{\prime \prime}$ thick; Durez Coated 150 WVDC; Tolerance: is $+50 \%,-20 \%$; all others are $+80-20 \%$. Shpg. wt., 202.

| Stock Mo. | Mirs. Type DM | Cap mmf | 1-99 | 100 up |
| :---: | :---: | :---: | :---: | :---: |
| 33 R 21734 | 101* | 0001 | . 90 | . 72 |
| 33 R 21742 | 201 * | . 0002 | . 00 | . 72 |
| 33 R 21759 | 301 * | . 0003 | . 90 | . 72 |
| 33 日 21767 | $501 *$ | . 0005 | . 90 | . 72 |
| 33 R 21775 | 102* | . 001 | . 0 | . 72 |
| 33 R 21783 | 202 | . 002 | . 9 | . 72 |
| 33 P 21791 | 302 | .003 | 90 | .12 |
| 33 R 21809 | 502 | . 005 | 80 | . 72 |
| 33R 21817 | 103 | . 01 | .90 | 72 |
| 33 R 21025 | 2.502 | 2X. 005 | . 0 | 72 |

TYPE BA PLATE CAPACITORS
Size: $\mathrm{K}_{0} \times \mathrm{K}_{0} \times \mathrm{X}_{1}{ }^{n}$ thick. Tolerance $-20 \%$ to $+100 \% 30$ WVOC. Shpg. wt., 2 oz.

| Stack No. | Mfrs. Type 04 | $\begin{gathered} \text { Cop } \\ \text { mid } \end{gathered}$ | $\begin{gathered} \text { Net } \\ 1.99 \end{gathered}$ | Pitce 100 |
| :---: | :---: | :---: | :---: | :---: |
| 33 R 21171 | 203 | . 02 | 38 | 2 |
| 33 R 21169 | 503 | . 05 | 11 | 4 |
| 33R 21197 | 104 | 10 | 1.35 | 1.07 |

00606000 WVDC DISC CERAMICS
Tolerance $\pm 20 \%$. Avg. shpg. wt., 2 oz.

| Stock No. |  |  | Stock N | $\mathrm{mf}$ |
| :---: | :---: | :---: | :---: | :---: |
| 2408 | $4 \mathrm{R7}$ | 4.7 | 33 F 24282 | 1 |
| 33 R 24118 | 100 | 10 | 33 F 24290 | 181 |
| 33 R 24134 | 150 | 15 | 33.F 24308 | 20120 |
| 33 R 24175 | 300 | 30 | 33 F 24332 | 271 |
| 33 R 24183 | 330 | 33 | 33 F 24340 | 301 |
| 3 R 24191 | 390 | 39 | 33 F 24357 | 331 |
| 33 R 24209 | 470 | 47 | 33 F 24381 | 471 |
| 33 R 24217 | 500 | 50 | 33 F 24399 | 501 |
| 33 R 24233 | 680 | 68 | 33 F 24423 | 751750 |
| 33 \% 24266 | 101 | 100 | 33 F 24431 | 821820 |
| NET EACH ANY OF |  |  | OVE IN | 0 |
| 1-49 . 36 |  |  | 50 | 285 |
| 33 R $24449 \quad 1021000$ |  |  |  |  |
| 33 A 244561221200 |  |  |  |  |
| 23 R 24464152150 |  |  |  |  |
| 33 R $24472 \quad 2022000$ |  |  |  |  |
| 33 R $24480 \quad 2222200$ ( |  |  |  |  |

Prices and Specifications are Subject to Change Without Notice

## ELMENCO－SANGAMO－CENTRALAB

| Stach Ma． | C3．陆 | DM 10－ Ty | $\begin{gathered} \text { NET } \\ \text { 1.9 } \end{gathered}$ | $\begin{gathered} A C H \\ 10- \\ 99 \end{gathered}$ | Stock Mo． | Cap． pF | DM10－ Tye | MET | $\begin{aligned} & \text { PCH } \\ & 10- \\ & 89 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 R 35011 | 1＊ | 010＊ | .15 | .12 | 3C R 35227 | 62 | 620 | 23 | .17 |
| 30 R 35029 | 2＊ | 020＊ | .15 | .12 | 3C R 35235 | 68 | 680 | 21 | .17 |
| 30 R 35037 | 3＊ | 050 | .15 | .12 | $3 C$ R 35243 | 75 | 750 | 23 | .17 |
| 30 R 35045 | 5＊ | 050＊＊ | .15 | .12 | $3 C$ R 35250 | 82 | 820 | 23 | .17 |
| 30 R 35052 | 10 | 100 | 23 | 20 | 36 R 35268 | 91 | 910 | 22 | ． 18 |
| 30 R 35060 | 12 | 120 | 23 | 20 | 3 CR 35276 | 100 | 101 | 22 | .18 |
| 30 ค 35078 | 15 | 150 | 23 | －20 | 3 CR 35284 | 110 | 111 | 21 | .18 |
| 30 R 35086 | 18 | 180 | .23 | 20 | 3C R 35292 | 120 | 121 | 29 | 20 |
| 30 R 35094 | 20 | 200 | ． 18 | ． 15 | 3C R 35300 | 130 | 131 | 22 | ． 18 |
| 30 R 35102 | 22 | 220 | .18 | ． 15 | 3 CR 35318 | 150 | 151 | 23 | 20 |
| 30 R 35110 | 24 | 240 | ． 18 | ． 15 | 3 CR 35326 | 160 | 161 | ． 25 | .21 |
| 30 R 35128 | 27 | 270 | ＇18 | .15 | 3 CR 35334 | 180 | 181 | .29 | 23 |
| 30 R 35136 | 30 | 300 | .18 | .15 | 3 CR 35342 | 200 | 201 | .29 | 24 |
| 30 R 35144 | 33 | 330 | .18 | .15 | 30 R 35359 | 220 | 221 | ，${ }^{3}$ | ． 26 |
| 30 R 35151 | 36 | 360 | 20 | .17 | 30 R 35367 | 240 | 241 | ． 30 | ． 27 |
| 30 ค 35169 | 39 | 350 | 20 | .17 | 30 R 35375 | 250 | 251 | ． 39 | 26 |
| 30 R 35177 | 43 | $4 \leq 0$ | 20 | .17 | 30 R 35383 | 270 | 271 | ． 30 | 26 |
| 30 R 35185 | 47 | $4 \% 0$ | 20 | .17 | 30 R 35391 | 3100 | 301 | 34 | 29 |
| 30 R 35193 | 50 | 5co | .18 | .15 | 30 R 35409 | $330+$ | 331 | ． 38 | 27 |
| 30 R 35201 | 51 | 510 | 20 | .17 | 30 R 35417 | 3604 | 361 | ． 34 | ． 29 |
| 30 R 35219 | 56 | $5 ¢ 0$ | 20 | .17 | 30 R 35938 | $390+$ | 391 | ． 35 | ． 30 |



## TYPE DO 19 （CMO6）DIPPEB SILVER MICA CAPACIDRS

TYPE OM－19（C style CMO6）Operate fom－ 55 to $150^{\circ} \mathrm{C}$ ．Meets alinectrical requirements of mil spec MIL－C－SC and EIA spec RS－153．Capacitance values $430-4700$－3F bear CM06 type designations．All have $\pm 5 \%$ tolerance．All 500 DCWV eacept＊ 300 WV and +100 WY ．Shpg．wt．， 2 oz ．

| Stock Me | Cap． MMF |  | NET EACM |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 10. |
|  |  |  | 1.9 | 99 |
| 30 R 35425 | 100 | 101 | .15 | 12 |
| 30 R 35433 | 110 | 111 | ． 15 | 12 |
| 30 R 35441 | 120 | 121 | ． 15 | .12 |
| 30 R 35450 | 130 | 131 | ． 15 | ． 12 |
| 30 R 35466 | 150 | 131 | ． 15 | .12 |
| 30 R 35474 | 160 | 161 | .15 | ． 12 |
| 30 R 35402 | 180 | 181 | ． 15 | ． 12 |
| 30 R 35490 | 200 | 291 | .15 | .12 |
| 30 R 35506 | 220 | 221 | .15 | .12 |
| 30 R 35516 | 240 | 241 | .15 | .12 |
| 30 R 35524 | 250 | 251 | ． 15 | ． 12 |
| 30 R 35532 | 270 | 271 | .16 | .14 |
| 30 R 35540 | 300 | 301 | ． 16 | .14 |
| 30 R 35557 | 330 | 391 | ． 16 | .14 |
| 30 R 35565 | 360 | 351 | .18 | ． 15 |
| 30 R 35573 | 390 | 331 | ． 18 | ． 15 |
| 30 R 35581 | 430 | 431 | ． 18 | ． 15 |
| 30 R 35599 | 470 | 471 | .22 | ． 18 |
| 30 R 35607 | 500 | 501 | ． 22 | ． 18 |
| 30 R 35615510 211 22 ．18 |  |  |  |  |
| 30 R 35623 | 560 | 551 | 22 | ． 18 |
| 30 R 35631 | 620 | 621 | 23 | ． 20 |
| 30 R 356．99 | 680 |  | 23 | 20 |
| 30 R 35656 | 750 | 751 | 25 | 21 |
| 30 R 35664 | 820 | 821 | 27 | 23 |
| 30 R 35672 | 910 | 911 | 27 | 23 |
| 30 R 35680 | 1000 | 102 | 29 | 24 |
| 30 R 35698 | 1100 | 112 | ． 30 | ． 26 |
| 30 R 35706 | 1200 | 122 | ． 32 | 27 |
| 30 R 35714 | 1300 | 132 | .36 | ． 30 |
| CENTRALAB <br> GERAMIC <br> TRANSMITTING CAPACITORS |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Designed primarily for tansmitter，induc． tion heaters，X－Rays，the Tolerance 850 type $\pm 10 \%$ ． 858 type $\pm 20 \%$ ．Mounting ye＂long hex studs tapped 6／32 thread．All 7500 DCW except $\$ 500$ v．Temp．Coeffi－ clent types ending in 2 NPO ，ending in N N750．Avg．shpg．wi． 222

| Stock No． | CRL Mo． | $\begin{aligned} & \text { CD. } \\ & \text { MMF. } \end{aligned}$ | Free Schedule |
| :---: | :---: | :---: | :---: |
| 33 R 24498 | 850s－252 | 25 |  |
| 33 ค 24506 | 8503－502 | 50 |  |
| 33 R 24514 | 850S－50N | 50 | 14 2.70 ea |
| 33 R 24522 | 850S－75N | 75 | 5－29 2.43 ea． |
| 33 R 24530 | $850 \mathrm{~S}-100 \mathrm{~N}$ | － 100 | $30-1002.14$ ea． |
| 3724548 | $8585.500^{*}$ | 500 |  |
| 33 R 2455 | 858S－1000＊ | － 2000 |  |



Steci No．0030－mmi Siock Wo．D030．mmt

| 33 235st | 4 th 7 | 4.7 | 33 R 23771 | 101100 |
| :---: | :---: | :---: | :---: | :---: |
| 33 退 23615 | 100 | 10 | 33 R 23788 | 121120 |
| 33 R 23656 | 220 | 22 | 33 R 23813 | 201200 |
| 33 界 23664 | 250 | 25 | 33 R 23821 | 221220 |
| 33 成 23880 | 300 | 30 | 33 R 23054 | 301300 |
| 33 R 23706 | 390 | 39 | 33 L 23862 | 331330 |
| 32 R 23714 | 470 | 47 | 33 R 238 T | 391390 |
| 33823722 | 500 | 50 | 33 m 230 s | 471470 |
| 35 只 23730 | 560 | 56 | 33 ค 23904 | 501500 |
| 33 R 23745 | 680 | 68 | 33 R 239\％ | 681680 |
| 32 C 23755 | 750 | 75 | 33 R 23938 | 751750 |
| 33 R 23763 | 820 | 82 | 33R2394 4 | 821820 |

NET EACM ANY OF ABOVE IN LOTS OF $\begin{array}{ll}1.49 & 50 \text { up } \\ 24 & .19\end{array}$

Stuct Ne．Dose－minf Stect Ne o030－mmit 33 R 239531021000 多 33 ค 240353023000
 33 R 235872022000 33 R 210634724700 It 240192522500 33R240R 5025000
NET EACH ANY OF ABOVE IM LOTS OF 1.49 .3050 UP． 239

Ideal for bypass coupling in high frequency
cirewits， 1000 VOC working except $00-153$ ． cirewits， 1000 VOC working except DD－153， 600 VOC werhing．Tolerance all $\pm 10 \%$ ex－ cept $\pm 20 \%, + \pm .5$ MMF．$\ddagger$ GMY．$=+80$ $20 \%$ ．Avg．shpg．wt．， 2 oz．
Stocl No．DD．mmi Steck Ne，DB－mms 33 22543 3R3f 3.3 33R22985 391 390

 3322617 6R8 2.8 33R $22997471 \quad 470$ 33 22625 7R5 7.5 33 贝 23011 4716t 470 33 ？ $22641100 \quad 10$ 33 R 23029501 500 \begin{tabular}{llll|llllll}
33 \& 2256 \& 120 \& 12 \& 33 \& 23045 \& 561 \& 500 <br>
33 \& 22505 \& 150 \& 15 \& 33 \& 23052 \& 601 \& 600

 33 月 $22674180 \quad 18$ 33R $23060681 \quad 680$ 

33 R 22562 \& 200 \& 20 \& 33 <br>
33 \& 23078 \& 751 \& 750
\end{tabular} $\begin{array}{lllllll}33 \text { 日 22050 } & 220 & 22 & 33 \\ 33 \text { R 2270 } & 240 & 24 & 33 R & 23094 & 821 & 820\end{array}$ 33 日 $22716250 \quad 25$ 35 R $23102911 \quad 910$ 33 R $22784270 \quad 27 \quad 33$ I $23110 \quad 102 \quad 1000$ 33 \＆ $22722300 \quad 30$ 33 ： 23128 102ct 1000 33 R $227 ะ 0 \quad 330 \quad 33 \quad 33$ ： $23136 \cdot 122 \quad 1200$ 33 22757 $390 \quad 39$ 33月 $23144 \quad 122 \mathrm{G} 41203$ $\begin{array}{llllllll}33 & 22765 & 470 & 47 & 33 \text { R } 23163 & 152 & 1500 \\ 33 & 2475 & 500 & 50 & 33 \text { 日 } & 23177 & 152 G 4 & 1500\end{array}$ 33 R 227 39 $560 \quad 56$ 33 賈 $22207680 \quad 68,33$ R $23201 \quad 20242000$




 33 R $22: 56$ | $33!R$ | 22864 | 131 | 130 | $33 R$ | 23250 | $332 t$ | 3300 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $33 R$ | 22872 | 151 | 150 | 33 | 23265 | $392 t$ | 3901 | 33．R $27870181 \quad 180$ 33 R 228＇s 201200 33 R 23234 432t 43c0 33 R 2290 221220 33R 23292472 4700 37 R 22914241240 13 R $23300472 \mathrm{G} \ddagger 4700$ 33 员 22922251250 33 R 23318 502t 5000

 $\begin{array}{lllllllll}33 & \mathrm{q} & 22948 & 301 & 300 & 33 & 23134 & 562 t & 5600 \\ 13 & \mathrm{R} & 22555 & 331 & 330 & 33 & 2 & 23342 & 682 \ddagger \\ 6800\end{array}$
 33 R22571 361360 33 $23367822182 C 0$ NET EACM ANY OF ABOVE IN LOTS OF 1.99 ． 15100 UP ． 119

| Stack Ma． | $\begin{aligned} & \text { Clli. He. } \\ & \text { DO. } \end{aligned}$ | cap． <br> MFI | 1.93 | $16$ |
| :---: | :---: | :---: | :---: | :---: |
| 33 A 23575 | 1034 | ． 01 | ． 24 | ． 10 |
| 3こ日 23383 | 1032＊ | ． 01 | ． 24 | ． 10 |
| 38． 23331 | 153＊＊ | 015 | ． 24 | ． 19 |
| 3＊R 23mog | 203＊＊ | ． 02 | ． 45 | ． 356 |
| 3二 R 23017 | 303＊＊ | ． 03 | ． 45 | ． 354 |
| se 033 F | 403＊＊ | ． 04 | ． 45 | ．354 |
| $y=13303$ | 503＊＊ | ． 05 | 45 | ． 318 |

## CENTRALAB <br>  <br> TVPE DD3 600 WVDC DUAL SECTION DISES

T wo Inclvidually shielded capacitors in oue small case．All 630 WVDC．Tolerance GNV． Aug shog．Wi．， 2 0z．
Steck No．De3－Price Scheduls

 33 R 23474502 2x |  | 502 |
| :--- | :--- | :--- | :--- |
| 0 |  | 30 R 23422 103 2X．01

## RRL DD－16 1600 WVDC

CERAMIC DISCS
all tolarance GMV．Avg．shog．wt． 2 cz ．

| Stoct | CRI Mo． <br> 0．18 | Ca）． <br> MFD | 1－95 | 100 |
| :---: | :---: | :---: | :---: | :---: |
| 33 R 2t490 | 302 | ． 003 | .27 | 11 |
| 33 ¢ 21508 | 402 | ． 004 | 27 | 21 |
| 33 ค 25576 | 502 | ． 005 | 27 | 11 |
| 33 12 2524 | 602 | ． 006 | ． 27 | 21 |
| 33 92540 | 752 | ． 0075 | ． 27 | 21 |
| 33 R 29557 | 802 | ． 008 | ． 27 | 31 |
| 33 R 21565 | 103 | ． 01 | 27 | 11 |

# Dipped Mylar - Paper Capacitors And Filters STANDARD BRAND DIPPED MYLAR-PAPER CAPACITORS 

 100 WVBC| Stuck Ne. | car. MFs. | WET EACH IM LOTS OF <br> $1-24 \quad 25-4950-95$ |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 34 ¢ 67016 | . 005 | . 16 | 14 | 12 |
| 34 R 67024 | . 006 | 16 | .14 | . 12 |
| 34 R 67032 | . 0068 | .16 | 14 | 12 |
| 34R67040 | . 0075 | 16 | . 14 | . 12 |
| 34 R 67057 | 01 | 16 | 14 | . 12 |
| 34 R 67065 | . 015 | . 16 | 14 | . 12 |
| 34 R 67073 | . 02 | . 16 | . 14 | .12 |
| 34 R 67031 | . 022 | . 16 | 14 | 12 |
| 34 R 67099 | . 022 | 16 | 14 | . 12 |
| 34 R 67107 | . 03 | . 16 | . 14 | . 12 |
| 34 R 97115 | . 033 | . 16 | 14 | . 12 |
| 34 R 67123 | . 04 |  | 14 |  |
| 34 R 67131 | . 047 | 20 | 17 | . 14 |
| 34 R 67149 | . 05 | 20 | . 17 | 14 |
| 34 R 67156 | . 056 | 20 | . 17 | . 14 |
| 34 R 67164 | . 068 | 20 | . 17 | 14 |
| 34 R 67172 | . 075 | 20 | . 17 |  |
| 34 R 67180 | . 1 | 22 | . 29 | 16 |
| 34 R 67198 | . 15 | . 26 | 23 | . 19 |
| 34 R 67206 | 2 | . 30 | . 26 | 21 |
| 34 R 67214 | 22 | . 30 | 26 | 21 |
| 34 R 67222 | . 25 | 32 | 20 | 23 |
| 34 R 67230 | . 33 | . 34 | 29 | 24 |
| 34 R 67248 | 47 | . 38 | . 34 | 27 |
| 34 R 67255 | . 5 | 40 | . 35 | 29 |
| 34 R 67263 | . 68 | . 50 | -43 | . 31 |
| 34 (19727 | 1.0 | . 60 | 52 | 43 |
| 200 WVOC |  |  |  |  |
| 34 R 82015 | . 02 | 21 | -14 | . 11 |
| 34 R 82023 | . 022 | 21 | . 14 | .11 |
| 34 R82031 | . 047 | 21 | . 15 | . 12 |
| 34 R 82049 | . 05 | 21 | .15 | . 12 |
| 34 R 82056 | 1 | 24 | . 18 | . 14 |
| 34 R 82064 | . 15 | . 33 | . 23 | . 18 |
| 34R82072 | 2 | . 39 | . 23 | - 22 |
| 34 R82080 | . 22 | . 39 | . 29 | . 22 |
| 34 R 82098 | 25 | . 54 | . 40 | . 31 |
| 34 R 82106 | . 33 | . 54 | . 40 | .31 |
| 34 R 2114 | . 47 | . 72 | . 53 | 41 |
| 34 R 82122 | 5 | . 72 | 53 | 11 |
| 400 WVDC |  |  |  |  |
| 34882130 | . 01 | . 18 | . 12 | . 10 |
| 34 R 82148 | . 015 | 21 | . 14 | . 11 |
| 34 R 82155 | . 02 | 21 | .15 | . 12 |
| 34 R 82163 | . 022 | 21 | . 15 | .12 |
| 34 R 82171 | . 025 | 24 | . 16 | .13 |
| $34 \mathrm{Re2189}$ | . 03 |  | . 16 | .13 |
| 34 R 82197 | . 033 | . 24 | . 16 | .13 |
| 34 R 82205 | . 04 | 24 | . 16 | . 13 |
| 34 R 82213 | . 047 | 24 | . 16 | 13 |
| 34 R 82221 | . 05 | 24 | . 16 | . 13 |
| 34 R 82239 | . 056 | . 24 | . 18 | . 14 |
| 34 R 82247 | . 068 | 24 | . 18 | . 14 |
| 34 R 82254 | . 075 | .33 | . 23 | . 18 |
| 34R82262 | . 1 | . 33 | 23 | . 18 |
| 34 R 82270 | . 15 | . 39 | . 29 | . 22 |
| 34 R ${ }^{\text {a } 2288}$ | 2 | 54 | 40 | . 31 |
| 34 R 82296 | . 22 | . 54 | . 40 | . 31 |
| 34 R 82304 | . 25 | . 12 | . 53 | . 41 |
| 34 R 67792 | . 27 | 40 | . 35 | 29 |
| 34 Th 67800 | . 33 | 46 | . 39 | . 33 |
| 34 R 67a3: | 47 | 4 | 46 | . 39 |
| 34127826 | . 5 | . 60 | . 52 | 43 |
| 600 WVDC |  |  |  |  |
| 34 R 82312 |  | . 18 | 12 | . 09 |
| 34 R 82320 | . 0012 | . 18 | . 12 | . 09 |
| 34 R 22338 | . 0015 | . 10 | .12 | . 09 |
| 34 R 82346 | . 0018 | . 18 | . 12 | . 09 |
| 34 R 23553 | . 002 | . 18 | . 12 | . 09 |
| 34 R 82361 | . 0022 | . 18 | :12 | . 09 |
| 34 R 82379 | . 0025 | . 18 | .12 | . 09 |
| 34 R 82387 | . 0027 | 18 | . 12 | .0s |
| 34 R 82395 | 003 | 18 | . 12 | . 09 |
| 34 R 82403 | . 0033 | .18 | . 12 | . 09 |



Type tr-18. Fie, an effective all-wave ca-pacitive-inductive type fifter for use with all types of electrical appliances causing severe radio and iv interierence, such as air conditioning and ventiating units, machine tools, washing machines, etc. In bakelite case, $6 \times 33 \times 21 / 2^{2}$, with line cord and plug. receptacle and ground terminat. Binding post for attachment of eround wire. Rated at 115 V AC-DC. 5 amperes. 34 R 58114 Shpg. wt., 2 lbs. - Net 10.17

Type 1F-1s. Fle. 8. An effective capacitiveinductive type filter, smatier than above, yet having the same degree of aftenuation of severe interference. For elimination of interference from food mizers, diathermy machines, electric fans, neom signs, washing machines, business machines, etc. Has line cord, plus, receptacle and terminal for ground connection. Rated 115V AC-DC, 5 amperes. In bakelite case $4 \times 21 / 4 \times 27 / 30$.
34 R 58122 Shpg wt. 2 lbs. . Net 9.10
Type If-4. Fice. C. A cylindrical fitter for use with small radios and portable TV sets for reduction of tow or medium intensity interference caused by small portable electrical appliances such as electric shavers, fans, adding machines, efc. Rated 110 V AC-DC, 5 amps. Conmects to power line between radio plue and outiet.
34 R 58130 Shpg. wt. 4 or. ... Net 1.54
Type if-s. Fig. D. A plug-in cyllindrical fitter for elimination of moderate interference. Suppresses interference of fuorescent lighting. electric shavers, etc. Connects between power line and appliance or between power line and radio. Has binding post terminal for grounding. Rated 110 V AC-DC. 10 amperes. $114^{-6}$ dia, $2^{-2}$ long
34 R 58148 Shpg. wt., 5 oz . Net 2.40

## WIREDAN TYME

Thpe 1F-24. Fis. E Ruowescemt molse Filtel. Dual capacitive type fifter for eliminating fluorescent noise. Easily connected by means of flexible leads. In addition has brachet for mountine. For 110 V AC-DC. Cvindrical metal case $3 / 0^{-1}$ dia., $11 / \mathbf{R}^{m}$ long. 34 R 58163 Shpge. wt. 4 oz. - Net 1.48

Trpe IF-SA. Fig. F. A capacitive-inductive fitter with creater efficiency than that above. Rated 180.220 V AC-OC, 2 amperes. Has fiexible leads for simple connection, with additionat lead fer ground. Rectangular metal case $2 \times 2 \times 144^{\text {" }}$, w/tabs for mounting. 34 R Sal71 Shpg. wt. $8 \mathrm{oz} \ldots$ Net 4.00

Twenty-five .001 mfl . 400 volf moided plastic capacitors. Shpg. wt., 4 oz . 32 ค 01282 ..................................... 89

## Littelfuse Fuses and Fuse Holders

## TYPE 3AG STANDARD FUSES

Serles 312000. Quick actine lor fow time lag applications such as amplifiers-auto radios. U.L. Iisted, $11 / 4 L^{\prime 2} / 4^{\prime \prime}$ dlam. All rated 250 volt except 8 amp is 125 V .5 fuses per package. Shpe wh 3 oz

| Stock No . | Amps | $\begin{aligned} & \text { Per } \\ & \text { Plit } \end{aligned}$ | 20 thes. Per Phe. |  | Ames | Per 20 Pkgs. Phe. Per Pkz |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 R 10085 | 1/4 | . 63 | . 53 | 13 R 10143 | 11/2 | . 45 | . 30 |
| 13 R 10101 | \% | . 63 | . 53 | 13 R 10150 | 14 | . 45 | . 38 |
| 13 R 10119 13 13 | $1 / 2$ | . 63 | . 53 | 13 R 10168 | 3 | . 45 | . 38 |
| 13R10127 | 7/4 | . 63 | . 53 | 13 R 10176 | 4 | . 54 | . 45 |
| 13 R 10135 |  | . 45 | . 38 | 13 R 10184 | 5 | . 54 | 45 |
| 13 R 12503 | 11/4 | . 45 | . 38 | 13 R 10192 | 6 | . 54 | . 45 |

## 3AG STANDARD PIGTAIL FUSES

Series 318000 . Same as series 312000 above but with pigtalls. 5 fuses per phg. Shps. wt. 3 az.

| Stach Mo. | Ampas | $\mathrm{P}$ | $\begin{aligned} & 201 \\ & \text { Per } \end{aligned}$ | Steck No. | Amps | Par Pre. | 20 Pres. Per ples |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 R 11521 | 3/4 | . 99 | 43 | 13 R 11554 | 2 |  | . 68 |
| 13 R 11539 | 1 | . 81 | 58 | 13 R 11562 | 3 | . 81 | . 68 |
| 13R11547 | 11/2 | . 81 | . 68 | 13 R 11588 | 5 | . 84 | . 70 |

## TYPE 3AG SLOW BLOW FUSES

series 313000 . High time lag to withstand heavy surges, blows quichly on shorts. Units through 5 amps are rated 125 volts and are UL listed, above 5 amp rated 32 volt. 5 fuses fer pkg. $11 / 4 \mathrm{Lx}$ y" diam. Shpe. wt. 502.

| Stock No. | Amps | Per Pkg. | 20 Pkgs. Per Ple. |  |  | $\begin{aligned} & \text { Per } \\ & \text { Pkg } \end{aligned}$ | 20 Pkg Per Pk |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| T3RT6259 | 1/8 | 1.38 | 1.15 | 13 R 90416 | 1/2 | 7.29 | 1.08 |
| 13 R 10309 | 1/4 | 1.38 | 1.15 | 13 R 10432 |  | 1.29 | 1.08 |
| 13 R 10317 13 R 10325 | 3/10 | 1.38 | 1.15 | 13 R 10440 | 21/2 | . 99 | .83 |
| 13 R 10341 | $1 / 2$ | 1.38 | 1.15 | 13 R 10457 | 3. | . 99 | . 83 |
| 13 R 10358 | $6 / 10$ | 1.38 | 1.15 | 13 13 13 10465 |  | 99 | . 83 |
| 13 R 10366 | 7110 | 1.38 | 1.15 | 13 R 10481 | 5 | . 99 | .83 |
| 13 R 10374 | $3 / 4$ | 1.38 | 1.15 | 13 R 10507 | 5 | . 99 | 3 |
| 13 R 10382 | $8 / 10$ | 1.38 | 1.15 | 13 R 10523 | 10 | . 99 | . 83 |
| 13 R 10390 |  | 1.38 | 1.15 | 13 R 10531 | 15 | . 99 | . 83 |
| 13 R 10408 | $11 / 4$ | 1.29 | 7.98 | i3 R 10549 | 20 | . 99 | . 83 |

TYPE 8AG IMSTRUMENT FUSES
Series 361000 . Deslgned for high speed action to protect dellicate electrical equipment. All rated at 250 volts, except 5 amp rated 32 volt. 5 fuses per phe. $1 \mathrm{Lx} 1 / \mathrm{q}^{\mathbf{w}}$ diam. Shpg. wh. 3 oz .

| Stock No. | Amps | $\begin{aligned} & \text { Per } \\ & \text { Pkg. } \end{aligned}$ | 20 Pkgs. <br> Per Pite Stack No. |  | Amps | Per 20 Pkgs. Ping. Per Pkg |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 R 11356 | 1/100 | 2.49 | 2.18 | 13 R 11430 | 1 | . 45 | . 38 |
| 13 R 11364 | 1/32 | 2.19 | 1.13 | 13 R 11448 | 11/2 | . 45 | . 38 |
| 13 R 11398 | 1/4 | . 63 | .33 | 13 R 11455 | 2 | . 45 | . 38 |
| 13 R 11414 | 1/2 | . 63 | . 53 | 13 R 11463 | 3 | . 45 | . 38 |
| 13 R 11422 | 3/4 | . 63 | .53 | 13 R 11471 | 5 | 45 | . 38 |

## TYPE 3AB FUSES

Series 314000 . Steatite enclosed, ARC-Quenching Poweer filled fuses. Will not shatter against quick shorts. Medlum time-lag, types through 15 Amp. UL listed. All 250 volt except 30 amps 125 volt. $11 / 4 \mathrm{Lx} 1 / \mathrm{m}^{\prime \prime}$ diam. 5 fuses per plt. Shpg, it. 308 .

| Stock No. | Amps | $\begin{aligned} & \text { Per } \\ & \text { Ply } \end{aligned}$ | 20 Mgss. <br> Per Pite Stock No. |  | Amps | Per 20 Pkgs Phy. Porping |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 R 11612 | 2 | . 87 | . 73 | 13 R 11653 | 10 | . 78 | . 65 |
| 13 R 11638 | 5 | . 78 | 65 | 13 R 11679 | 15 | . 87 | . 73 |
| 13 R 11646 | - | . 78 | 65 | 13R11687 | 20 | . 87 | 73 |

## liftelfuse auto fuses

307000 series Medbun actirg fuses designed for auto use. Length according to current to gua-d agalnst over fusing. All $1 / 4^{\prime \prime}$ dlam. 5 fuses perphe. Shpe. wt. 3 oz

| Stock No. | Amps | Per Plgo | 20 Ply Per Pky. |
| :---: | :---: | :---: | :---: |
| 13 R 12263 | 4 | .33 | 28 |
| 13 R 12289 | 7.5 | .33 | .28 |
| 13 R 12297 | 9 | .33 | 28 |
| 13 R 12305 | 14 | .33 | 28 |
| 13 R 12313 | 20 | .33 | 28 |

## AUTO FUSE ASSORTMENT



Universal auto fuse assortment easily stored in tlove compartment for emergency use. Fuses for radio, heater, Hghts, cligar light er, alr conditioner, windshietd wipers, efc. packed in plastic case, 10 fuses. Assorted value. Shpg. wt., 3 oz.
13811745
Unlversal auto fuse retainer. Holds fuses with spring load Net 1.13 Just attach wires into circuit and load with a fuse 13 R 11752 Shpg. wt., 3 ozs

Used In European instruments, tape recorders, radios, Hi.Fi equip. ment and Hickok test equipment, $5 \times 20 \mathrm{~mm}$. Rated at 250 V . 5 fuses per pkg. Shpg. wt. 3 oz .

| Stock Mo. | Amps | $\begin{aligned} & \text { Per } \\ & \text { Ping } \end{aligned}$ | $\begin{aligned} & 20 \text { Plks. } \\ & \text { Per Pig } \end{aligned}$ | 5 tock No. | mps | $\begin{aligned} & \text { Per } \\ & \text { Pkg. } \end{aligned}$ | $\begin{aligned} & \text { Pkes. } \\ & \hline \text { Plis } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type 271 Standard Fuse |  |  |  | Type F212 Standard Fuse |  |  |  |
| 13 R 12107 | 1/2 | 1.50 | 1.25 | 13 R 12138 | 促 | 1.50 | 1.25 |
| -13 R 12198 | 11/2 | 1.20 | 1.00 | 13 R 12149 | $8 / 10$ | 1.50 | 125 |
| Type T213 | Slow | W Fu | e | 13R12206 | 11/4 | 1.20 | 1.00 |
| 13 R 12180 | 1 | 1.53 | 1.28 | 13 R 12214 | 2 | 1.20 | 1.00 |
| 13 R 12248 | 2 | 1.53 | 128 |  |  |  |  |
| 13R12255 | 4 | 1.53 | 1.28 |  |  |  |  |

## SNAP-ON FUSE HOLDER

For fast replacement of pigtall fuses. One side of duat holder clips on to blown fuse. New fuse fits into other side. 13 F 12388 wt., 402. ......Each $.20 \ldots . .10$ for 1.75


LITTELFUSE MOUNTINES AND EXTRACTOR POSTS
Mounts and fuse holders for every application. "Includes fuse, Fig. $N$ is $3 A G$ indicating fuse post. Avg. Shpg. wt., 3 oz .

| Stook No. | Fig. | For Fuses | Description | et |
| :---: | :---: | :---: | :---: | :---: |
| 13 R 11760 | A | $\text { 3AG, } 3 A B$ | Panel mount, screw slot |  |
| 13 R 11718 | $\hat{B}$ | $\text { 3AG, } 3 A B$ | Panel mount, tiner knob | 64 |
| 13 ¢ 11785 |  | AÁG | Panel mount. screw slot | 8 |
| 13R19870 | c |  | Singte fuse, lug terminal | 22 |
| 13n11828 | C | 3AG, 3AB |  | 42 |
| 13 R 11844 | D | ${ }^{\text {8AG }}$ S ${ }^{\text {a }}$ | single fuse screw termina Double fuse, lug terminal | . 42 |
| $13 \text { R } 11851$ | E | $8 A G$ | Meter-back mtg. | 43 |
| 13 R 11877 | F | 3 A | Below panet mig. | . 64 |
| 13 R 1188 | ${ }^{\text {G }}$ | SFEE(9A) | Below panel mitg. | . 6 |
| 13 R 19893 | G* | SFE (14A) | Aulo inline fuse retainer | 6 |
| 13 R 11901 | $\mathrm{G}^{*}$ | SFE(20A) | Auto inline fuse retainer |  |
| 13 R11984 | N | 3AG 90.125 Y | AL |  |

## MINIATURE 3AG FUSE EXTRACTOR POSTS

Shortest 3 AG fuse posts. Test Post hole in knobs. UL listed.
Body and Knob meet Mit P-14F type CFG. Rated at 15 amps, 250 volts. Fis. $K$ has straight bottom terminals, behind panel jength $111 / j^{\prime \prime}$. Fig. L, $M$ has right angle bottom terminal behind panel length whi. Fte. L has knurled hnobs. FIg $\mathrm{K}, \mathrm{M}$ has fluted knobs. Shipg. wt., $3_{\text {oz. }}$

| Stock <br> No. | Mfg. <br> No. | Flg. | 1.39 | NET EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $100-499$ | 500 UP |  |  |  |  |
| 13 R 11527 | 342014 | K | .46 | .38 | .30 |
| 13 R 11935 | 342022 | L | .53 | .45 | .36 |
| 13 R 11943 | 342004 | M | .53 | .45 | .36 |

## BUSS FUSE MOUNTINGS



4405
4408
Convenient methods for mounting fuses on equipment, radio, TV, instruments, etc. Fuses easlly replaced. Shpg. wt, $30 z$.
Stock
No.

| No. | Buss | For | Net | Stock |  |  | Met |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.662029 | HKP | 3AG | 46 |  | Buss | For |  |
| 13 R 62037 | HM | 8AG | . 46 | 13 R 62045 | 4405 | 3AG | 2 |

## is $15^{\text {c }}$ DUAL FUSE HOLDER <br> As WITH CLEAR PLASTIC COVER

Oual fuse holder for popular 3AG, 3AB, and 8AG fuses with durable, clear plastlc, protective cover, Rated 250 volts 3 amps. Has right angle bottom solder terminals. Imported.
99 R 63372 Shpe. wh, 2 oz. Net [ach . 18
Lots of 10, Net Each . 15


## PRCMICR Metal Products

## TABLE TVPE RELAY RACKS

Rigidly constructed of 16 gauge steel finished in blue－ gray．Base constructed of one piece．similar to a chassis． Panel mounted holes are tapped for $10-32$ machine screws．Shipped knocked down．

［


TELEPHONE TYPE RELAY RACKS
Open trpe racks constructed of 112 gauge steel fin－ ished in blue－gray，Vertical members and top crossbrace are included together．Panel mounting holes are tapped for $10-32$ machine screws．Racks stipped tnocked down with all mecessary bolts for easy assembly．Base punched to accommodate type CA－s casters．


## ALUMINUA PANELS

Alominum panels，type MaP．bright aluminum protected both sides by peelable mashing paper．Type ARP painted kray both sides． 19 wide．Y＂thich

| ＂发AP＂Masked Alsminum |  |  | Het． | U15． | ＂Affo＂Gray Stoch We． | Hammer tene |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Steck | Type | Each |  |  |  | Type |  |
| 12 R 85477 | 319 | 2.08 | 31／2 ${ }^{\text {c }}$ | $11 / 4$ | 12 स 86830 | 319 | 2.25 |
| 12 R 85485 | 519 | 2.87 | 51／4＂ | 134 | 12 R 86848 | 519 | 3.00 |
| 12 R 85493 | 719 | 3.42 | 7 | 2 | 12 R 86855 | 719 | 3.83 |
| 12 R 85501 | 819 | 4.13 | $84{ }^{\prime \prime}$ | 21／2 | 12 R $^{1} 86863$ | 819 | 4.50 |
| 12 R 85519 | 1019 | 5.17 | 10ソ2＂ | 274 | 12 R 86871 | 1019 | 5.42 |
| 12 R 85527 | 1219 | 5.88 | 124＊＊ | $3 \mathrm{t} / 4$ | 12 R 868889 | 1219 | 25 |
| 12 R85535 | 1419 | 6.77 | 14＊ | 33\％ | 12 R 86897 | 1419 | 17 |



## STANDARD AMPLIFIER FOUNDATIONS

Consists of regular chassis with rugeed ty constructed metal covers．Top cover has perforations．rounded corners； $6^{2}$ high；1－pe chassis with corners spot－ welded；Gray Hammertone Finish．

| Stect Ne． | Type | Chassis DxWxM | the． | 1－24 |
| :---: | :---: | :---: | :---: | :---: |
| 12R85303 | AF－510 | 5x10x 3 | 44／4 | 8.85 |
| 12 R85311 | AF－615 | $6 \times 14 \times 3$ | 63\％ | 9.83 |
| 12 R 85329 | AF－1017 | 10x17\％3 | 10\％ | 12.37 |
| 12 R85337 | AF－1317 | 1341743 | 121／4 | 13.92 |

## METAL UTILITY CABINETS



Have two removable sides for easy accessi bility．Mave flanged edzes and spot－weided corners．No． 20 ga．steel．attractively finished No． $16 \mathrm{ga} .(051)$ aluminum in natural alumi－ num tinish．Av．shpr．vt．of steel cabinets 64／3 lbs．

| Black wasme Steck Ma． | STEEL Net | Mxwre | MITUMA A Steck Ne． | NUN Net |
| :---: | :---: | :---: | :---: | :---: |
| 12 R 83399 | 1.85 | 474x2 | 12 R 83480 | 1.78 |
| 12 R 83407 | 1.73 | $4 \times 5 \times 3$ | 12 R 83498 | 1.88 |
| 12 R 83415 | 1.95 | $5 \times 6 \times 4$ | 12 R 83506 | 2.17 |
| 12 R 83423 | 3.00 | 5x9x6 | 12 R 83514 | 3.67 |
| 12 R 83431 | 2.63 | 6x6\％6 | 12 R 83522 | 2.87 |
| 12 R 83449 | 3.05 | $6 \times 9 \times 5$ | 12 R 83530 | 3.52 |
| 12R 83456 | 2.52 | 71544 | － | － |
| 12 R 83464 | 5.40 | $8 \times 10 \times 10$ |  |  |
| 12 R 83472 | 4.20 | 12x746 | 12 R 83548 | $5.02$ |
| － | － | 15x9x 7 | 12 R 33555 | 6.52 |



## SLOPING PANEL CABINETS

These handy cabinets have rounced top corners and a removable front panel．Back of cabinet is perforated and has opening for teads．Con－ structed of \＄20 zauge steel．Finished in kray hammertone．

| Steck Me． | NxW600 | Use Chascis＂ | Les． | Net |
| :---: | :---: | :---: | :---: | :---: |
| 12 R 85840 | $8 \times 8 \times 8$ | 74782 | 41／2 | 7.00 |
| 12管85857 | $8 \times 10 \times 8$ | 7x9x2 | 53／4 | 7.88 |
| 12 R 85065 | $8 \times 14 \times 8$ | 7413x2 | 7 | 8.40 |
| 12 R 85873 | $9 \times 18 \times 8$ | 7x17x | $81 / 4$ | 11.07 |
| 12 R 85881 | 12x18×12 | $10 \times 17 \times 3$ | 12 | 14.17 |



ALUMINUM CHASSIS
Chassis are of ane piece construction with gussets spot－welded to the bottom flanges for adoitional strength．Made of No． 18 gauge（ 0.40 ）aluminum except $\dagger$ are No． 14 gauge（．064）In naturat als－ minum finish．Bottom plates have holes to match chassis and have 4 pressed dimples．Avg．shpg．wt．． $31 / 4 \mathrm{lbs}$.

| CHASSIS |  |  |  | BOTTOM PLATES |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stect Me． | $\begin{aligned} & \text { Sire } \\ & \text { Inches } \end{aligned}$ | Les． | Wet | Steck We． | Net |
| 12 R 81906 | $4 \times 6 \times 11 / 2$ | V／4 | 1.6 | 12 R 82870 | 1.05 |
| 12 R 81914 | $4 \times 6 \times 2$ | $1 / 4$ | 1.71 | 12 R 82870 | 1.05 |
| 12 R 81922 | 4x6x3 | 144 | 2.00 | 12 R 82870 | 1.05 |
| 12 R 81930 | $4 \times 8 \times 2$ | \％ | 1.88 | 12 R 82888 | 1.16 |
| 12 R 1948 | 4×1743 | 1 | 1.40 | 12 R 82896 | 1.21 |
| 12 R 81955 | $5 \times 7 \times 2$ | $1 / 4$ | 1.78 | 12 R 82904 | 1.05 |
| 12 R 81963 | 5x7x3 | $1 / 4$ | 2.05 | 12 R 82904 | 1.05 |
| 12 R 81971 | Sx10x 3 | 1／4 | 2.27 | 12 R 82912 | 1.05 |
| 12 R 81989 | $5 \times 13 \times 3$ | \％ | 2.00 | 12 R 82920 | 1.21 |
| 12 R 81997 | 51／2x91／2411／2 | $1 / 2$ | 1.78 | 12R82938 | 1.05 |
| 12 R 82037 | 7x7x2 | 12 | 2.05 | 12 R 82961 | 1.05 |
| 12 R 82045 | 7×9x2 | $1 / 2$ | 2.17 | 12 R 82979 | 1.05 |
| 12 R 22052 | 7x1182 | \％ | 2.32 | 12 R 82987 | 1.21 |
| 12 A 82060 | 7x11x3 | $1 / 6$ | 2.8 | 12 R 22987 | 1.21 |
| 12 R 82078 | 7x1243 | \％ | 28 | 12 R 82995 | 1.42 |
| 12 R 82102 | 7x17x3 | 142 | 2.85 | 12 R 83035 | 1.68 |
| 12 R 82110 | 8．10021／2 | 1 | 2.1 | 12 R 83043 | 1.31 |
| 12日82128 | 8412m3 | 1 | 3.35 | 12 R 83050 | 1.58 |
| 12 ค 2177 | 10x14x3 | $11 / 4$ | 4.22 | 12 R 83092 | 1.84 |
| 12 R 82193 | 10x17x3 | 1\％ | 4.70 | 12 R 13100 | 2.00 |
| 12 R 82250 | 12x17x34 | 24／ | 5.83 | 12R83134 | 2.52 |
| 12 R 82284 | 13x17a3t | 21／6 | 6.10 | 12 R 83142 | 2.78 |
| 12 R 12300 | 17x17x4 | 3 | 12.53 | 12 R 13159 | 3.14 |

## ALUMINUM MINIBOXES

Two piece case made of 16 gauge（ 0.51 ）atuminum． Each section forms 3 sides．Flanges assure proper shietding．Avaliable in variety of sizes for popular electronic devices and construction projects．Avall－ able in natural finish or Rrey hammertone．

## MATURAL ALUMINUM

colev mammertone

| Stect Me． | Unt |  | U82． | Stuede Mo． |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 R 83670 | ．80 | 236124．154 | $4 / 4$ | 12R83845 | 95 |
| 12 R 83688 | ． 83 | 314121／615 | $1 / 4$ | 12 R 83852 | 1.00 |
| 12 R83696 | ． 88 | 4x2Yurisi | $1 / 4$ | 12 R 83860 | 1.07 |
| 12 R 83704 | 1.00 | $4121 / 4221 / 4$ | \％ | 12 R 83878 | 1.15 |
| 12 R83712 | 1.08 | $5 \times 21 / 4 \times 21 / 4$ | ＊ | 12 R 83886 | 1.28 |
| 12 R 83720 | 1.17 | $5 \times 4 \times 3$ | $7 / 4$ | 12 R 83894 | 1.57 |
| 12 R 83738 | 1.17 | $51 / 4 \times 3 \times 21 / 6$ | $1 / 2$ | 12 R 83902 | 1.35 |
| 12 R 83746 | 1.50 | $6 \times 5 \times 4$ | 1 | 12 R83910 | 2.00 |
| 12 R 33753 | 1.92 | 74543 | 1 | 12 R 83928 | 2.30 |
| 12 R 83761 | 2.50 | $8 \times 6 \times 31 / 2$ | 11／8 | 12 R 83936 | 2.83 |
| 12 R 83779 | 2.67 | 10x6x34／2 | $11 / 2$ | 12 R 83944 | 3.35 |
| 12 R 83787 | 3.67 | 12x744 | ， | 12 R83951 | 4.00 |
| 12 R 83795 | 4.00 | 1755x4 | 21／4 | 12 R 83969 | 4.50 |
| 12 R 83803 | 1.42 | 10x2i15 | 1／4 | 12 R 83977 | 2.00 |
| 12R83811 | 1.75 | $12 \times 21 / 2 \times 21 / 4$ | ＋ | 12 R 83985 | 2.33 |
| 12 R 8329 | 1.08 | 4x2x23／4 | $1 / 2$ | 12 R 83993 | 1.17 |
| 12 R 83837 | 1.08 | $41 / 4 \times 24 / 4 \times 14$ | $1 / 2$ | 12 R 84017 | 1.17 |



## SLOPING PANEL UTILITY BOXES

Steel and luminum slopink panel cabinets with round top corners and stoping front．For instaliations that require opening in rear of bor．No． 20 rauge attractively finished steel．No． 18 rauge（．040）alu－ minum－naturaf alumimum finist． $4 / 27 \times 41 / 0^{\circ} \mathrm{D}$ ．

| STOCX No． | new | THE | $1{ }^{\text {cto }}$ | $\begin{aligned} & \mathrm{Ne} \mathrm{~K}^{2} \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  |  | W Whiwhle |  |  |
| 12 R 80650 | 4\％ | SPC－1200 |  | 2.47 |
| 12 R 80676 | 6\％6 | SPC－1202 | 142 | 2.78 |
| 12 R 80700 |  | CMINUM |  |  |
| 12 R 80726 | 764 | ASPC． 1203 | \％ | 3.60 |

## CASTERS FOR RACKS AND CABINETS



| Steck Mo． | U4s． | Sixe |  | Het |
| :---: | :---: | :---: | :---: | :---: |
| 12 A 83373 | $21 / 4$ | 2＂biam． | Per Set | 4.56 |
| 12 R 83381 | 74／4 | 3＂Diam． | Per Set | 11．c0 |

Made of Pastite non－martine composition wheel with Gall Bearing Swivel Plate．Packed one set of 4 in box．

# Experimenter Boxes-Electrical Accessories 

## UNIVERSAL METER CASES

A meter case that can ac commodate elther a $2^{\prime \prime}$ or $3^{\infty}$ meter. Center hole for $2^{\prime \prime}$ meter increases to $3^{\prime \prime}$ meter hole by simply re. moving a knock-out. 4kex $41 / 2 \times 41 / 4^{\prime \prime}$. Supplied with two $1 / 2$ " dia. knockouts for feed through insulators or Volume Controls. Type SPC-23 20 gauge steet. Type ASPC-23 18 gauge (.040) Aluminum-Natural Finish. Avo erage shpg. wt., 1 ibs.

| Stock No. | Type | Net |
| :---: | :---: | :---: |
| 12 R 8167 | SPC-23 | 2.37 |
| 12 R ${ }^{\text {ESI75 }}$ | Aspl-23 | 2.37 |

bakelite cases and panels ideal for bullding test equipment and small electronic devices. All black bakelite with rounded corners and recessed threaded inserts for mounting panels. Walls $1 / /^{\prime \prime}$. Panels are $3{ }^{\prime \prime \prime}$ thick. Avg. shpg. W., $11 / 2 \mathrm{lbs}$.

| Stack Me. | \$íz | Libs. | Met |
| :---: | :---: | :---: | :---: |
| 19 R 20016 | 84/334/x2 | $1 / 2$ | 9 |
| 19 R 37010 | Panel for above | 1/4 | 45 |
| 19 R 20024 | $6 \times 4 \times 51 / 4 \times 21 / 4^{\prime \prime}$ |  | 1.39 |
| 19 R 37028 | Panel for above | $1 / 2$ | . 61 |
| 19 R 20032 | 8**7**33 | 14 | 2.39 |
| 19 R 37036 | Panel for above | $1 / 2$ | . 75 |

## MINI-COOL BOXES Integrated Enclosure And <br> 

 Heat SinkMade of aircraft alloy aluminum. Patented lock-joint corners tighten under stress. The sir sides assem ble easily with screw

99 R 80772 99 R 80780 99 R 80756
99 R 62721
99 R 80764
COMPACT CABINETS

Body made of 20 gauge steel with .064 aluminum front panel. Top four cor. ners are rounded. Sldes are perforated
 for ventllation. Top
handle is recessed. Panel IIts into $1 / 2^{*}$ recess. Two inch opening in rear for leads. Welded construction. Base has rubber feet Attractive two-tone enamel finish. with hard ware for assembly. Ideal for instrumentation.

| Stock Size | Use Wt. Net |
| :---: | :---: |
| Now DWMW. Chassis lbs. Ea, |  |

## BUILDER'S

## PANEL KIT

Ideal set of 5 paneis for the experimenter. Consists of 1 plain Dlack bakelite panel, 3 perforated boards with holes on Ko" centers, and 1 aluminum panel with perforated circular pattern for speaker outlet. All panels are sized and have mounting holes to fit $99-62721$ case above, Shpg. wt.. H/ lb.
99 R 63380

## MINIATURE ALUMINUM OPEN-END CHASSIS

Ideal for small amplifiers, oscillators, and miniature assemblles. Made of 18 gauge $(.040)$ aluminum natural finish. Avg. shDg. Wh. 50 oz .

| Stock No. | $\begin{gathered} \text { Size } \\ \text { Drwa } \mathrm{H}^{\prime \prime} \end{gathered}$ | $\begin{aligned} & \mathrm{ACH} \\ & \text { TYPE } \end{aligned}$ | NET |
| :---: | :---: | :---: | :---: |
| 12 R 83183 | 25/6x $\times 1 / 4 \times 14 / 4$ | 1350 | 63 |
| 12 R 83191 | $13 / 4 \times 31 / 6 \times 1$ | 1351 | 63 |
| 12 R 83209 | $31 / 6 \times 41 / 2 \times 2$ | 1352 | . 75 |
| 12 R 83217 | 23/4 $\times 4 / 1 / 8 \times 1$ | 1353 | . 75 |
| 12 R 83225 | 31/4 $\times 4 / 1 / 8 \times 14 / 2$ | 1354 | . 75 |
| 12 R 83233 | 3x61/0x11/4 | 1355 | . 87 |
| 12 R 83241 | $53 / 4 \times 476 \times 11 / 2$ | 1356 | . 92 |
| 12 R 83258 | 4 3 318x1 | 1357 | . 75 |
| 12 R 83266 | 4x41/8x 1 | 1358 | . 87 |
| 12 R 83274 | 4x51/8x1 | 1359 | . 87 |
| 12 R 83282 | $4 \times 61 / 8 \times 1$ | 1360 | . 92 |

Two piece unit made of 20 cold rolled steel. Front, bottom and back form one "U" shaped unit which serews to one plece cover and sides. Attractive two-tone finish.

| Stock No. | H.W.0. | Ls. |  |
| :---: | :---: | :---: | :---: |
| 12 R 85931 | 6x10x7" | 41/2 | 93 |
| 12 R 85949 | 7x12x8 ${ }^{\text {¹ }}$ | 61/4 | 8.68 |
| 12 R 85956 | $3 \times 8 \times 5^{\circ}$ | 21/4 | 4.48 |
| 12 R 85964 | 5x5k5" | 21/4 |  |

PLASTIC CASES for MINIATURE ELECTRIC GEAR


Clean, polystyene cases. Ideal for miniature assemblies. All have ball type hinged covers. Avg. shpR. wt., 302.

| Stoch No. | Size LxWxH" | Net |
| :---: | :---: | :---: |
| 13 R 38011 | 159821㐌x1" | . 25 |
| 13 R 38029 | 2\%/613 ${ }^{1} \times 14$ | . 27 |
| 13 R 38037 | 27/8x2×1" | 29 |
| 13 R 38045 |  | .32 |

Identical to above but with all sides plain none ifnned.

## 19 R 22046

19 R 22053
19 R 22061 $2^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$
$3^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$ $41^{2 \prime} \times 2.6^{\prime \prime} \times 2.6^{\circ \prime}$ .90
1.15
1.50
19 R 22079
$6^{\prime \prime} \times 2.6^{\prime \prime} \times 2.6^{\prime \prime}$
2.00

## CUSTOM CABINETS

Fast, Easy
Push-Together,
Stay Together Assembly
Designer styled Flexi-Cab brown vinyt clad steel cabinets. Front panels are brass finished. All sides link together with marresistant plastic bindings. All kits supplied with package of 40 pressure sensitive func. tion identifying labels.

| Stect No. | Size | 14. | Netea. |
| :---: | :---: | :---: | :---: |
| 19 R 22558 | 3x4x4" | \% | 3.49 |
| 19 R 22517 | $3 \mathrm{x} 4 \times 6{ }^{\prime \prime}$ |  | 3.99 |
| 19 R22533 | 3x6x9" | 1* | 4.69 |


A. E.Z WIRE PARALLEL GRDUNE DUPLEX WALL DUTLET. Breakolf terminals for 2 sedarate 3 -wire circuits. Easlly wired by pres sure terminats or screws. UL listed. 15 amps; 125 V .
13 R 81193 ..... Net Ea. .56: 10 for 5.04
B. E-I WIRE QUIET SWITCH. Ultra-quiet actlon switch
no clicking noise. Has screw, and E. 2 wire pressure terminals. 15 amps; 120V. UL listed. AC only
13RE1201 ..... Net Ea. .62; 10 for 5.58
C. Chassis ac receptacle. Mounts from top or bottom. Mtg. centrs $11 / \mathbf{h}^{\text {e". W. W. Listed. }}$ 15A 125VAC/DC. Solder terminals.
13 R C9046
D. AIFFY PUS PULL PLUG. Attaches in 5 seconds without any tools. Spring prongs. Brown. U.L. Listed.
13 R 81136 $\qquad$ Ea. 15; 10 for 1.35 E. CUBE TAP EXTENSION. Trio tap. 9 it rubber cord. AC plug. Brown. U.L. Listed. 13 R 81110

Net .72
F. PARALLEL GROUND ADAPTER. Adapts 3 wire tools and appliances to 2 wire AC outtets. 15A., $125 \mathrm{~V}, 33 /{ }^{\prime \prime}$ ground tead and luk. U.L. Listed.

13 R 81151
Net .28; 10 for 2.52
6. RUBBER CEBE TAP, 3 outtets. Unbreakable one plece soft rubber construction. 13 R 81102 U.L. Listed ....................... 37 H. PARALLEL GRDUND RUBBER PLUG, with cord clamp. U ground Dia. $11 / 2^{\prime \prime} .15$ amps; 125V. U.L. Listed.
13 R 81219 $\qquad$ Net 64
J. Flexible rubber handle pluc. Can be used for heavy duty work. 15A. 125 V .
13 R 81078 $\qquad$ Ea. .12; 10 for 1.08
K. rubser como connector. With pull handie for extension cords. $14 / 4^{\prime \prime}$ diameter. With cord clamp. 2 wire. U.L listed.
13 R81144
Net 48

# 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－ weid tinned，cellulose yarn brald，polyethylene insulated，tinned copper braid shield，chrome－ viryl jactet．Type 8410 has rubber insulation and black rubber jacket．available only in lengths listed belaw．

| Beld No． | Out Diam． | $\begin{aligned} & \mathrm{W}! \\ & 100^{\circ} \end{aligned}$ | 15 Fl．Spool |  | 25 Ft．Spool |  | So Ft．Spool |  | 100 F．${ }^{\text {Spect }}$ | pool |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8411 | ． 144 | 2 lb ． | 32 $\mathrm{R}^{\text {1 }} 13071$ | 1.17 | 32 13089 | 1.55 |  | 2.61 | 32－13105 | 4.95 |
| 8401 | ．200＇ | 3 \％． | 32 R 13113 | 1.44 | 32 R 13121 | 1.92 | 32 贯 13139 | 3.39 | 32.13141 | ． 30 |
| 8410 | 245＊ | 4／3 lb． |  |  | 32 － 13152 | 3.60 | 12 R \＄3170 | 6.39 | 32 113188 | 1. |

## 2－CONDUCTOR LOW－IMPEDANCE MINIATURE AND STD．MIKE CABLES

All cables shielded．Miniature types 8420 and 8413 both No． 24 stranded tinmed， 8420 has polyethylene insulation and chrome vinyl jacket， 8413 rubber insulation and black rubber jocket．Stranded types： 8422 is 22 stranded timned，poly insuiation and chrome vinpl juchet； 8412 No． 20 stranded tinned，rubber insulation and black rubber facket； 8402 same as 8412 but brown hypalon jacket； 8428 is heavy duty Na，is stranded tinned．black Neoprene jacket for studio use．Avalable oniy in length listed below．

| seld． | 6ut | 1. | 15 PI．Speol |  | 25 Ft．Spool |  | 50 fr．Speol |  | 100 PL Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ne． | Diam． | $100^{\circ}$ | Stock No． | Net | Stuech No | Net | Steck mo． | Wet | Steck Ho． | Wet |
| 8.20 | 185＊ | 27／4 tb． | 32 R 13196 | 2.04 | 32 R 11204 | 3.06 | 32 13212 | 4.65 | 32 A 13220 | 8． 85 |
| 8413 | ． $190^{\circ}$ | 3 ft． | 32 Q1323 | 2.45 | 32R 13246 | 3.69 | 32 R 13253 | c． 95 | 32 n 13251 | 12．75 |
| 8422 | 231＊ | 4y／lt． | 32 Q 13219 | 1.0 | 32\％13277 | 2.76 | 32 R 13295 | 5.10 |  | － 0.95 |
| 8412 | ．268＊ | 574 tb． |  | －－ | 32 耍1332 | 3.18 | 32 n 13331 | 7.05 | 32 R 13345 | 13.35 |
| 8402 | ．268＊＊ | 64／4 1b． |  |  |  | － |  |  | 12 （15399 | 14.40 |
| 8428 | ．295＊ | 731 fb ． |  | － |  | － |  | － | 12 13185 | 17.25 |



## SHIELDED CABLES FOR <br> PA AND INTERCOM

## 2 CONDUCTOR－TWISTED PAIR－SHIELDED CABLES

All have stranded tinned copper condictors except No， 8739 is solid Each conductor has vinyl insulation except ：has polyethelene．Shielding：types marked ：have aluminum－ polyester shield with stranded tinned ground wire；types marked have tinned coppes braided shield；types marked $\Delta$ have timned copper spiral wr spped shield．
All have overall chrome vinyl jacket except have no outer jacket over shield．

| Beld． Na． | Gauge | D．0．＊ | $\begin{aligned} & \text { ths. } \\ & 100 \mathrm{ft} \text {. } \end{aligned}$ | 100 Ft．Speol Stock No．Net | 250 ft． Stack Mo． | pool Net | 500 Ft. Stect Na． | 001 Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $8739 \triangle$ | 22 | －160 | 216 | 32 1351告 4.55 |  | － | 32 R 15407 | 19.35 |
| $8737 \triangle$ | 22 | ． 170 | 2K／ | 32 13527 4.80 | 32 R 15415 | 10.65 | 32 R 15423 | 21.25 |
| $8759 \triangle$ | 20 | ． 195 | 3 | 32 （13535 6.00 |  | － | 12日15431 | 25.00 |
| $8790 \triangle$ | 18 | 231 | 4\％ | 12 R 135417.65 | 32R15449 | 16.50 | 32 R 15456 | 13.00 |
| $8780 \triangle$ | 16 | 266 | 5月 | 32 R 135509.60 |  | － | 32 园 15464 | 4.2 .75 |
| $8761{ }^{\circ}$ | 22 | ． 167 | 2 |  |  | － | 32 員15472 | 17.55 |
| $8762^{\circ}$ | 20 | ． 196 | 3 | 32 ค 13516 5．33 | 32R15480 | 11.05 | 12 R 15498 | 22.10 |
| $8760{ }^{\circ}$ | 18 | ． 222 | 3 | － | 32 R 15506 | 13.30 | 32 ¹5514 | 26.60 |
| 8758 | 20 | .165 | 13 | 32 䢕 136005.05 |  | － | 32 ח15522 | 23.80 |
| 8789 줄 | 18 | ． 204 | 31／4 | －－ |  | － | 12 n 15530 | 34.65 |
| 8779 | 16 | .225 | 4 | － | $\underline{\square}$ | － | 32 15548 | 44．09 |

## VINYL COVERED MULTIPLE UNPAIRED CABLE

All conductors No． 22 unshielded stranded tinned copper except＊include
 two No． 18 conductors．Each conductor vinyl insulated cabled．Chrome vimyl jacket overall．Availatio anily in sizes listed velow．


## SHIELDED SOUND－PA－INTERCOM CABLE



EELDEM 2208． 2 conductor No． 18 tinned stranded copper． twisted pair．rubber insulated，braided tinned copper shield chrome vinyl jacket overall 0．D．255＂．Shpg．wt．，100＇． 4 lbs． EELDEN 8735． 3 conductor No． 22 tinned stranded copper viny！insuiated cabled timned copper braid shield chrome vinyl jacket overall．0．0．199＂．Shpe Wh．，100＇． 5 thes．

| Beliden Ne． | 15 FL Speol |  | 50 F．Speol |  | 100 Ft Spool |  | Stol Ft．Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Stock We． | Net | Steck No． | Net | Stect No． | Net | Steck Ne． |  |
| 8208 |  |  |  |  | 32\％138 | 9.90 | 32 ？ | 43. |
| 8735 | 32 （130c5 | 1.47 | 12 13873 | 3.90 | 12\％ 1388 \％ | 6.75 | 12 － 15639 |  |

## 3－CONDUCTOR CABLES FOR PA AND INTERCOM



SHIELDED CABLES
All have 3 conductors．trye 8771 has cabled No． 22 stranded tianed copper con－ ductors with polyethelene insulation，alumi－ num－polyester shield，stianded tinned copper No， 22 gnound drain wire and overall chrome vinyi iacket． 0.0 ．is $.175^{\circ}$ ．Type $\$ 791$ is same but with 18 gauge conductors，vinyl insulation，tinned copper wrapped shield and no cround wire．O．D．is $236^{\circ}$

| Steck No． | Beld Wo． | Cauge | Feet | m． Lbs． | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 \＄15647 | 8771 | 22 | 250 | 61／4 | 11.05 |
| 32 ${ }^{\text {a } 15688}$ | 8791 | 18 | 100 |  | 9.36 |
| 32 ¢ 15696 | 8791 | 18 | 500 | 241／4 | 41.80 |

UNSHIELDEO CABLES
All are 3 －conducter solid 19 copper，vinyl insulated and cabled． 8487 has chrome vinyl outer jacket． 8483 has no jacket．Shpg．wt． $24 \%$ lbs．per 100 ft ．

| Stock No． | eld． | 0.0 | Feet | Met |
| :--- | :--- | :--- | :--- | :--- |
| $32 R 15704$ | 8487 | 180 | 500 | 19.50 |
| $32 R 15712$ | 8483 | .132 | 100 | 3.90 |
| 32 R 15720 | 8483 | .132 | 500 | 15.75 |

special intercom and Pa．cables

EELDEA 1734． 3 conductor No． 22 stranded linmed copper with vinyl insulation．I con－ ductor with tinned copper braid shield， 2 un． thielded，cabled with overall chrome vinyl jachet． $0.0 .194^{\circ}$ ．Shpe．wt．，per $100^{\circ}, 3$ lbs． 32 R 13972100 ft spooi …．．．．．．．．．Net 6.15
 EELDEN 3732． 4 conductors No． 22 stranded tinned copper with polyethylene insusation． 2 conductors with tinned copper braid shield． 2 unshielded．Chrome vinyl iacket overafl． Owal shape 0．0． $188^{\prime \prime} \times 296^{\prime \prime}$ ．Shpg．wt． $100^{\circ}, 34 / 2 \mathrm{lbs}$.
32 ： 113998100 ft ．spool …．．．．．．．Net 1.73 32 R 15753500 ft spool Net 32.65

## SHIELDED PHONO PICKUP CABLE

BEIDEN TYPE 8431．Extremely timp and fiex． ible．No， 24 stranded（ $16 \times 36$ ）tinned copper rubber covered，tinned copper braid shield brown cotton braid jacket．Only in lengths lirted belew．Shpg．wt．， 100 ft ．，\％／4t．
32 R $14020 \quad 15 \mathrm{ft}$ ．coil ．．．．．．．．et each 1.25 32 R 14038 25 ft．coil ．．．．．．Net each 1.65 32 R 14046100 ft ．coil ．．．．．．．．．．．．Pet each 5.25

## high voltage lead

## vancor $=2$

EELDEN 8866 high voltage lead with No． 18 stranded tinned copper polyethylene insula－ tion．Reduces coroma．Long lifte construc tion．Vinyl jecket．0．0．208＂Worthing volt age． $40 K \mathrm{~V}$ ．Only in lengths listed below． Shpe．wh． 234 los． 100 it．

32 ด 17072100 ft．spool
Net 2.31
Net 6.53

## TINNED BUS BAR WIRE

Solid tinned copoet bus－bar wire Especially for use where high curremt conductor is needed as in power plants，ground wire， switchboards and point to point wiring．

| Beldon No． | AW6 | O．b． | 100 PL．Spo |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ． 8022 | 24 | ． 020 | 32 R 85183 | 4 | ． 28 |
| 8021 | 22 | ． 022 | 12815209 | c | 1.01 |
| 8020 | 20 | ． 032 | 32 T 15225 | 8 | 1.19 |
| 8019 | 18 | ． 040 | 32 R 15241 | 10 | 1.59 |
| 8013 | 16 | ． 050 | 12：15266 | 15 | 2.24 |
| 8012 | 14 | ． 064 | 32 ） 15282 | 26 | 3.36 |
| － 8011 | 12 | ． 080 | 32.15300 | 40 | 5.04 |

# Belden TV, Intercom and P. A. Wire 

## 

Belden 8228. Low loss $100 \%$ shielded, 75 ohm, $100 \%$ sweep tested coaxial cable for 82 channel VHF/UHF color or black and white IV reception. No. 18 solid bare copper conductor with low toss polyethylene insulation. Shielding is polyester film with aluminum lamination on both surfaces. Has 4 No. 28 solid timed copper.weld drain wires spirally wrapped, Overall PVC black all weather jacket is only $242^{\prime \prime} 00$. Only in lengths listed below.
$32 \mathrm{R} 17411 \quad 100^{\circ}$ Shpg. wt., $3 \mathrm{y} / \mathrm{lbs}$.
Net 6.75 32 Ri 17403

## COILED MICROPHONE AND TELEPHONE CORDS

Have insulated cadmium bronze conductors except * has 5 strands tinned copperweld and 16 stranas tinned copper. Microphone cables have black neoprene jacket except \#has gray vinyl; telephone cables. black vinyl iacket. Type 8499 and 8605 shielded; type 8497 , i shielded and 2 unshielded conductors, all others unshielded. Telephone cables have spade terminais and strain rellief. Shpgowt., 1/2 lb,

| $\begin{gathered} \text { Slock } \\ \text { No. } \end{gathered}$ | Betden No. | Cond. Type |  | Extenets ${ }_{\text {To }}$ |  | Not |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| 32 R 14236 | 8415* | 4 | Mic | 111/2" | $6^{\prime}$ | 1.84 |
| 32 R 15084 | 8497* | 3 | Mic | 1112" | $6^{\circ}$ | 1.7 |
| 32 R 15092 | 8499 | 1 | Mic | 71/2 | $4^{\circ}$ | 1.20 |
| 32 R 17395 | 8605 \#** | 1 | Mic | 211/2" | $12^{\prime}$ | 1.8 |
| 32 R 15118 | 8495 | 3 | Tel | $10^{\prime \prime}$ | $41 /$ | 1.6 |

## BELDEN TEST PROD WIRE

Extremely fiexible, limp rubber covered hi-voltage read. No, 18 stranded, tinned, cotton wrap. 8899 for 5000 working volts. 8898 for 10,000 working volts. In red or black. Shpg, wt., $100 \mathrm{ft} ., 4 \frac{1}{4} \mathrm{Ibs}$.

| Belden No. | Sth. No. | Met | $\begin{aligned} & 25 \mathrm{Ft} \text {. } \\ & \text { Sth. WD. } \end{aligned}$ | Net | $\begin{aligned} & 100 \mathrm{Ft} \\ & \mathrm{sta} . \end{aligned}$ | Ne1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8899 Red | 32 \% $\$ 7239$ | . 87 | 32 म 17254 | 1.38 | 52员17270 | 4.41 |
| 8899 B1t | 32 R 17247 | . 87 | 32 R 17262 | 1.38 | 32 R 1720 g | 4.41 |
| 8898 Red | 32 R 17296 | 1.23 | 32 R 17312 | 2.28 | 32 R 17338 | 5.97 |
| A898 8 ${ }^{\text {A }}$ | 32 ค 17304 | 1.23 | 32 ค 17320 | 2.28 | 32 ค 17346 | 5.97 |

## VINYL COVERED

## MULTIPLE PAIRED CABLE

For balanced tine intercom systam and telephone wiring. Unshleided \#22 sotid tinned copper conductors, vinyi insulated, cabled in palrs, chrome vinyl outer jacket. Avallable only in length' listed below.

| Beiden No. | No. of Conds. | $\begin{aligned} & \text { O.D. } \\ & \text { in. } \end{aligned}$ | Ds. | $\begin{aligned} & 10012 \\ & \text { Stoch Alo. } \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 8740 | 2 | 150 | 2 | 32 R 15741 | 2.82 |
| 8741 | 4 | . 201 | 3 | 32 R 15787 | 4.68 |
| 8742 | 6 | . 240 | 33/4 | 32 R 15803 | 6.12 |
| 8743 | 12 | . 305 | 6\% | 32 R 15829 | 10.05 |
| 8744 | 18 | . 354 | $83 / 4$ | 32 R 15845 | 14.85 |
| 8754 | 26 | . 409 | 111/4 | 32 R 15860 | 21.00 |
| 8745 | 30 | . 420 | 134/4 | 32 R 15886 | 25.80 |

## UNSHIELDED 2 CONDUCTOR TWISTED PAIR SPEAKER AND INTERCOM CABLE

BELOEN 8205. 2 conductor No. 20 stranded tinned copper, vinyt Insulated, cabled with overall chrome vinyt jacket. O.D. .190" Shpg. wt, $100^{\prime}, 2$ ibs Lengths avaliable only in sizes listed below. 32 R 14202100 ft . spool
32 R 17056500 ft . Spool

## 2-CONDUCTOR-TWISTED PAIR-UNSHIELDED



All have tinned stranded copper conductors except * ate solid copper. Types with $\dagger$ have chrome vinyl iacket overall, others without jacket. All conductors have vinyl insulation. Available only in lengths listed below.

| Beld. No. |  |  |  | Sto | $\begin{aligned} & \text { ool } \\ & \text { Net } \end{aligned}$ | $500 \mathrm{Ft} .$ Stock No. | 001 Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8481 | 22* | . 112 | 14/4 | 32 ¢ 13717 | 2.25 | 32 R 15555 | 7.35 |
| 8482 | 19** | 130 | 13/4 | 32 R 13030 | 2.94 | 32 R 15563 | 10.95 |
| 8460 | 18 | . 175 | $21 / 2$ | 32 R 13725 | 4.29 | 32R15571 | 16.90 |
| 8470 | 16 | . 195 | $21 / 2$ |  |  | 32 R 15589 | 21.55 |
| 87404 | 22* | . 150 | 2 | 32 \% 13741 | 2.82 | 32 R 15597 | 10.05 |
| $8461+$ | 18 | . 226 | 31/4 | 32 R 13766 | 5.07 | 32 R 15605 | 20.85 |
| $8471+$ | 16 | 256 | 4 |  |  | 32 R 15613 | 28.35 |

BELDEN 9090 METRO COLOR AND 9085 MAXI COLOR TV LEAD-IN WIRE

9090
NEW!
9085
9090 METRO COLOR Shielded lead-in wilre provides finest color, black/white, and FM reception in high interference metropolltan areas. Eliminates ghost signals, electrical and automotive ignition noises and assures sharper, more pleasing color viewing. Shpg. wt. $31 / 2$ tbs. per 100 tt .
32 R-17429 50 ft. Net $4.95 \quad 32$ R 17445100 ft . Net 7.80 32 R 1743775 ft. Net $6.30 \quad 32$ R 17452500 ft . Net 34.90 9085 MAXI COLOR Delivers superior color, black/white, and FM re. ception in low-interference suburban areas. Provides more signai to the receiver under adverse environmental conditions. Shpg. wt., 41/2 lbs. per 100 ft .
32 R 1746050 ft .. Net 2.18 R 17485200 ft . Net 3.50 32 R 1747875 ft ... Net $2.80 \quad 32$ R 17494500 ft . Net 14.65

BELDEN 8290 SHIELDED PERMOHM 300 OHM COLOR TV LEAD-IN


Designed for 82 channel color TV reception, 8290 Permonm combines the strong signal strength of twin-line with the clean signal of shielded cable. Shieided to elimimate tgntion and other interfer ence caused by line pick-up. Weatherproof. Shpg. wt., 6 lbs, per 100 ft. Available only in lengths listed betow
32 R 1535750 ft .......Net $6.10 \quad 12 \mathrm{R} 15373100 \mathrm{ft}$. .... Net 10.40 32 R 153.575 ft ........Net 8.25 32 15977500 ft . . Net 49.10

## BELDEN 300 OHM TWIN LEAD

## 300 ghM A




Type 8235. FIg. B. Low loss 300 ohm line for UHF or VHF TV antennas and for amateur transmitting and receiving-Twin lead rated $1 K W(R F)$. Resists oxidation and sun; made with $100 \%$ virgin polythylene meb, 18 gauge ( $7 \times 26$ ) stranded.
32 R 14143 ( 100 ft .) Shpg. wt., $43 / \mathrm{ms}$.
Type 8230. Fig. A. "Weldohm" copper coated steel wire. Polyethylene insulation. Almost twice as strong as plain copper. Perfect for long runs. Stranded No. 20 ( $7 \times 28$ ). Shpg. wt., 100 ft .2 lbs. 32 R 14129 ( 50 ft.) …...... 1.43 32 R 14137 ( 75 ft.) …....... 1.05 32 ค 14145 (100 tt.) ……. 2.37 \$2 R 15993 ( 250 ft .) …...... 5.05
Type 8285. Fig. C. Encapsulated in tow loss celfular polyethylene. Dellvers a strong signal on all chamnets VHF or UHF, A must for color TV. 2 Conductor $22(7 \times 30)$ stranded copper weld conduc. ors. Shfg. wt., 4 lbs per 100 ft

32 Q $14186(100 \mathrm{ft}$ ) …... 5.25 32R 17015 (250 ft.) ….... 12.45

## CONSOLIDATED 3-WAY <br> ANTENNA SYSTEM <br> - Makes Any Of 3 <br> Marconi And Doublet S <br> Unlquety destgned set of parts for construction of any of 3 types of short and long wave antennas, hil parts supplifed for elther a doublet, double doublet, or Inverted $l$ antenna system. Contains 100 ft . bare aerial wire, 50 ft , twisted insulated transmisslon line. 4 Insulators, 2 screw eyes, doublet Itghtning arrestor, window leadin strip. ground clamp and complete instructions. Shpg. wt., $31 / 4$ los. 32 R 38859 <br> 

Ideal for small crystal, diode and transistor broadcast, and shortwave sets. $50 \mathrm{ft}, 7 \times 26$ bare copper aerial wire, 25 ft . rubber covered lead-in wire, $10-\mathrm{in}$. Window lead-in strip, 2 antenna and 2 stand-off insulators. Simple printed instructions. Shipg. wt., $11 / 4$ lbs. 32 R 30984

# Coaxial and Special－Purpose Cable 

## RG LOW－LOSS COAXIAL CABLES

Excellent for RF，amateur and citizens band applications．All branded with standard type numbers and meet requirements of RG cables on qualified products list of U．S．Government．0．D．：RG－8／8U，RG－11／U， RG－11ANU ． $105{ }^{\prime \prime}$ ；RG－58／U，RG．58NU ．195＂；RG－59／U ．242．MMF／FT．：

RG－8／U 29．5；RG－11／U 20．5；RG－11NU 20．5；RG－58／U 28．5；RG－58N／U 29．5．RG－59／N 21．Availabte only in lengith listed below．Average shpg．wt．，per 100 ft .12 lbs.

| RG Type | $\begin{aligned} & \text { Imip. } \\ & \text { Ohant } \end{aligned}$ | $\begin{gathered} \text { so } \\ \text { Stoct } \\ \text { No. } \end{gathered}$ | Met | 108 FL．Le啤th |  | 250 FL Lengths |  | 500 PL Lencths |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| C－8， 4 | 52 | 22月17000 | 8.70 | 32 R 30315 | 16.30 | 32 517098 | 34.80 | 32． 30323 Wx | 54.80 |
| RG－11／U | 75 |  | － | 32 R 30349 | 14.10 | 32 C 17114 | 33.00 | 22． 30356 WX | 55.15 |
| RG－58／U | 53.5 | 32 11722 | 3.21 | 32 R 30364 | 5.64 | 32.17130 | 12.15 | 32 （1）30372wx | 20.70 |
| QG．58NU | 50 | 32 \％ 17148 | 3.51 | 32130224 | 6.60 |  |  | 32 a 30232wx | 23.70 |
| \＄G－59／U | 73 | 32 ¢17155 | 1.90 | 32 \＆ 30398 | 5.90 | 32 年17163 | 15.45 | 12 R 30406 w | 21.50 |

## STEREO PHONO <br> PICKUP WIRE

Extremely fiexible，lightweight wire for all stereo cartridges and tone arms．No． 32 stranded 2，3 and 4 conductor twisted mini－ ature color coded cables．Law hum and nolse pichup for best stereo performance． Shipg．wt．， 10 ft ．， 302 ：； 25 ft ．， 5 ol ．

## UMSNIELDED WIRE

 approx．footage per lb．
Available in $1 / 2 \mathrm{lb}$ ．spools only．Shpg．wt．， $3 / 4$ it．

PLAIN ENAMELED $1 / 2$ LB．SPDOLS

| BIS <br> Ske Steck |  | $\begin{aligned} & 8 \% \text { s } \\ & \text { Size stech } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: |
| 1432 h 31 | 361.12 | 2832 R 30 | $1.8 \overline{6}$ |
| 1632 R 305 | 61.37 | 3032 R 30 | 1.93 |
| 1832 R 306 | 121.50 | 3232 R 30 | 2.00 |
| 2032 R 306 | 381.55 | 3432 R 30 | 2.20 |
| 2232 R 306 | 531.60 | 3632 R 30 | 2.55 |
| 2432 R 306 | 791.67 | 3832 R 30 | 2.99 |
| 2632 a 106 | 1.75 | 4032 R 31 | 3.51 |
| HEAW FORMVAR IM 1 IB．SPOOLS |  |  |  |
| Steck Wo． | 645 Siz | Feet | Net |
| 12 R 30828 | 14 | 78 | 2.20 |
| 32 R 30836 | 16 | 124 | 2.23 |
| 32 R 30844 | 18 | 198 | 2.12 |
| 32 园 30851 | 20 | 313 | 2.43 |
| 32 R 30869 | 22 | 501 | 2.53 |
| 32 R 30877 | 24 | 798 | 2.71 |
| 32 R 30885 | 26 | 1200 | 2.86 |
| 32 R 30893 | 28 | 1999 | 3.20 |
| 32 R 10901 | 30 | 3200 | 3.39 |
| 32 R 30919 | 32 | 4900 | 3.93 |
| 32 R 30927 | 34 | 7950 | 4.13 |
| 32 R 30935 | 36 | 12.800 | 4.78 |
| 32 R 30943 | 38 | 20，000 | 6.15 |
| 12 R 10950 | 40 | 31，700 | 9.39 |

## BARE NICKEL

## CHROMIUM WIRE -

For electrical heating appliances and devices whose operating temperatures do not exceed $1850^{\circ} \mathrm{F}$ ．Ideal for compact resistance re－ quired of heavy duty theostats and controls． $1 / 4 \mathrm{lb}$ ．spools，Shpg．wt． 7 oz ．
Sth．Me．Sire Met StiNe．Sive पet

| 32 R 31404 | 14 | 3.44 | 32 R 31479 | 24 | 5.08 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}32 R & 31412 & 15 & 3.53 & 32 & 1 & 31487 & 30 & 5.41\end{array}$ 32 R $3142018 \quad 3.54$ 32 R 3149532.59



 | 32 | 31453 | 24 | 4.30 | 32 | 11525 | 34 | 9.72 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 25 | 31451 | 26 | 4.59 | 12 | 11597 | 40 | 12 |

## LOW LOSS POLYFOAM COAX

These polyfoum coaxial cables have basically similar constructional and physical specifi－ cations as the standard cables bearing the same RG number．Lower attenuation and capaci－ tance result in signal strength increases up to $\mathbf{3 5 \%}$ ． 75 ohm cables are for N and FM use white 50 ohm cables are ideal for amateur radio and CB ．Available only in lengths listed．

RG－11／U 75 ohm coax feeder with non－peak． ing attenuation characteristics．Ioeal for distribution lead－in．Stipg．wt ． $10 \% / 4 \mathrm{lbs}$ ． 12 m 31214100 ft ．coil RG． 59 ／ 72 ohm casx cable for improved FM and IV reception．Minimizes noise，chosts and color smears．Recommended for color TV．Shpp．Wt．， $31 / 4$ lbs． 32 角 3124100 ft ．coil

Net 6.50

RG $8 / \mathrm{U} .50 \mathrm{ohm}$ impedance cable with mini－ mum signal loss and stray radiation for increased antenna system efficiency．Shipg increased an
32 R 30463100 ft ．coil Net 16.30 RG－SE／U． 53.5 olmm impedance cable with low loss and increased operation range for use in $C B$ and amateur radio．Shpg．wt $2 \geqslant 4$ tbs． 32 ： 31180100 ft ．coil

Net 5.00

## RUBBER JACKETED SERVICE CORDS

UL．listed，rubber sheathed service cord．Each stranded copper con－ ductor has color coded rubber insulation，cotton wrapped with tough outer rubber jacket．Ideat for electronics equipment household appliances，garden and power tools．SV for light appliances；$\$ 1$ for medium appliances．Rated 300 volts maximum．Available only in lengths shown below．Average wt．，per 100 ft ． 8 ilh lb

| $\begin{aligned} & \text { ULL } \\ & \text { TIPE } \end{aligned}$ | Size | $\begin{aligned} & \text { Mo. } \\ & \text { Cond } \end{aligned}$ | 25 ft．Spool |  |  |  | 50 Fe Spool |  | 100 Ft．\＄poot |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 0．0． | Amps | Stach No． | Met | Stect Ka． | Net | Stack No． | Met |
| SV | 18 | 2 | 250n | 5 | 32.10992 | 1.76 | 32 年 31008 | 3.29 | 32 ． 31016 | 5.99 |
| \＄1 | 18 | 2 | ． $340{ }^{\prime \prime}$ | 7 | 32 n 31024 | 2.81 | 32 a 31032 | 5.02 | 32\％ 31040 | 8.99 |
| SI | 18 | 3 | ． $345^{\prime \prime}$ | 5 | 32 R 31057 | 2.2 | 32 ： 31065 | 5.27 | 32 $\mathrm{Q}^{\text {a }} 31013$ | 10.00 |
| \＄1 | 18 | 3 | 375 | 7 | 32 爯 31081 | 4.04 | 32.31099 | 7.12 | 32 ¢ 31107 | 13.99 |

## THERMOPLASTIC HOOK－UP WIRE

Convenient spools of plastic insulated wire．Shpg．wt．，25．－502．； $100^{\circ}$ ． $1 / 4 \mathrm{lb}$ ．

| Stock Mo． | Deserfiption | Net | Stock No． | Bescription | Wef |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 R 31891 | 4 20 Solid－25 t．Red | 49 | 22 k \％ 444 | 820 Sttanded 100 ft ． | 1.35 |
| 32 R 31909 | 20 Solid 25 ft．Black ．．．．．．． |  | 32 虫 89451 | \＄20 Stranded－100 ft．Black | 1.35 |
| 32 l 31917 | ＊20 Solld－25 ft．Blue | 49 | 32 C 8469 | ＊20 Stranded－100 ft．Blue | 1.15 |
| 32 R 31925 | －20 Solid－25 ft．Green | 49 | 32 ค 89417 | \％20 Stranded－100 ft．Green | 1.35 |
| 32.31933 | \＄20 Solir－100 th．Red | 1.25 | 32 289485 | 22 Stranded－25 ft．Red | A9 |
| 32.31941 | \＄20 Solid－100 ft．Black | 1.25 | 32． 89493 | ＊22 Stranded． 25 ft ．Black | ． 49 |
| 22． 31958 | \＄20 Solid－100 ft．Blue | 1.25 | 32 R 89519 | \％22 Stranded－25 ft．Blue | ． 49 |
| 12.11966 | \＄20 Salid－100 ft．Green | 1.25 | 32 R 89577 | \％ 22 Stranded－25 ft．Green | 43 |
| 32.189462 | \％20 Stranded－25 ft．Aed | 58 | 32 R 69535 | \％22 Stranded－100 ft．Red | 1.25 |
| 32 R 19410 | \％20 Stranded－25 ft．Black | ． 58 | 32 R ¢9543 | 22 Stranded－100 ft．Black | 1.25 |
| 32.85426 | \＃ 20 Stranded－25 ft．Blue | ． 58 | 12.18550 | 122 Stranded－ 100 ft．Blue | 1.25 |
| 32889436 | ＊20 Stranded－25 ft．Green | ． 5 | 12 10956 | 22 Stranded． 100 ft ．Green | 1.25 |

Wo． 18 solid． 2 conductor twisted palr．Plas－ the insulated．Shpe．Wt．， $13 / 4 \mathrm{ib}$ ．per $100^{\circ}$

> 32 R 36288100 ft , coil
> 12 Il 36736500 ft . coil
> Net 2.90

## BELDEN COPPER BRAID

（2．2sesys，

Flexibie tinned copper braiding．Size is oval 1．0．except－is flat width．Shpg．wt．，per 50 ft ．is 2 lbs ．

| $\begin{aligned} & \text { Size } \\ & 10^{\prime \prime} \end{aligned}$ | 10 Ft．Spoon |  | 50 ft Special |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Steck $\mathrm{Na}_{6}$ | Net | Stock Mo． | Wet |
| 多 | 32 R 14301 | ． 6 | 32 Q 14368 | 2.1 tr |
| $\%_{0}$ | 32 只 14319 | 1.34 | 32 R 14376 | 3.96 |
| $\%$ | 32 \％14327 | 1.44 |  | 4.89 |
| 1／2 | $32 \cdot 14335$ | 1.32 | 32 Q 14392 | 4.56 |
| 56． | 32 E 14343 | 2.31 | 32 （14400 | 9.14 |
| 1／83＊ | 32 ） 14350 | 3.15 | $32 \mathrm{R} 1441{ }^{\text {2 }}$ | 13.90 |


Set of 2－15 f ．speaker cables，each with spade lugs on all ends．Clear plastic cov－ ered polarized conductors． 24 gauge copper conductors．Shpg．wt．， 502.
12 I 38406 Per Set
Same as above，but set of 230 ．．Net 98 with 22 gauge conductors．
32 \＆ 3652 Shpg．wt．， 14 or．
Net 1.69


Varlous colors．gauges and insulation KIT of SIE 25 －foot colls
Convenient kit of six $25^{\circ}$ coils．
shpg．wt． $3 / 4 \mathrm{lb}$ ．
32 R 79007 OF FIV Net per kit 1.49 Shpg．wt． $11 / 2$ tbs．
32 R 79015 Nel per hit 3.49

# Antenna Wire－Guy Wire－Speaker and Zip Cord 

## 1711 <br> UHF－VHF OPEN LINE

300 ONM．Aftenuation averages only 1.9 db over entire UHF band．No． 18 copperweld wire－pure polyeflylene separators spaced at $6^{\circ}$ ．Spaced only $1 / \mathbf{2}^{\circ}$ between conductors． Shpg．wt．， 2 tbs．per 100．Availatle ewly in lengths listed below．
32 R 36106100 ft coi
Net 4.05 32 R 36114250 ft coil Net 9.79 32 R 36122500 ft spool ．．．．．Net 18.95 450 OMM．Similar to above． $1^{\text {＂}}$ spacing be tween conductors
32 R 35130100 ft ．coil ．．．．．．．．Net 3.99 32 R 35148250 ft ．spcol ．．．．．．．Net 9.65 32 R 36155500 ft spool ．．．．．．．．Net 18.78


300 OHM
TWIN LEAD
Browm．High quatity，low－toss Head－in for all TV and FM installations． 55 mil polyethy． lene dielectric－ 22 pauge copper iteads．Oaly in lengths ilsted below．Shpg．wt．， 1 ibo．per 100 ft ．
32 R $89121 \quad 100 \mathrm{ft}$ coil ．．．．．．Nel 1.59 32Re9139 500 th．coil ．．．．．．Net 6.55 32 R 89147 1，000 ft．coil ．．．．．．Net 12.11 CLEAK．Same as above but clear for a better blend with base boards．
32 R $99154 \quad 100 \mathrm{R}$ ．spool ．．．．Net 1.68 32 R 89162500 ft ．spool ．．．．Net 7.51 12 R 170 1，000 ft．spool ．．．．Net 14.11

## HEAVY DUTY

300 ohm brown twin lead with 80 mil thick polyethylene insulation and 20 gauge copper conductors．Shpg wt．，ita lbs．per 100 ft ． 32 R 29188100 ft ．coil …．．Net 1.99 32 R 36452 1．000 tt．coil Net 16.95

## ROTATOR CABLES

4 COMDUCTOR FLAT．Flexible stranded No． 20 copper encased in tough plastic insula－ tion．Shpg．Wt．， $2 \mathrm{~V} / 2$ tbs．per $100^{\circ}$ coll． 32 R 89105100 ft ．coil ．．．．．．．．．．Net 3.40
4 combuctor noumo meart duty．Beiden 8489．All 18 gaure stranded flexible conduc－ rors，plastic insulated and jacketed． $5 \%$ ths． 32 \＆ 17108100 ft ．coil ．．．．．．．．．．．．．．Net 8.76
5 conouctor Fuat．Same construction as 4 cond．flat Shpg．wt． $2 \%$ tos．
12 R 36312 per 100 ft ．
dos．
Net 4.72
（ 22 strended copper conductors．Vinyl insulated． viny jacket．in 100 ft ．coils only．
32 R 14063 Shpg．wt． $31 / 4 \mathrm{lbs}$ ．Net 6.75
－Compuctor round meavt duty．Belden 8448．Simifar to above but 2 conductors are 18 paine． 100 ft coil．
32 1074574 Shpg．Wt．， $5 \% / 4$ tbs．Net 10.26


## LIFELINE COPPERWELD TWIN LEAD

－Guaranteed for Life of Your Antenna Guarantee：If this delure $\mathbf{3 0 0}$ ahm line fails to last the life of your antenas we will replace it at no charge． 20 Gause Copper－ weld（copper clad steel）conductors with finest brown polyethylene insulation．Chem－ ically protected against deterioration．Spe－ cial＂waste free＂dispenser pachaze．Shpg． wf ． $21 / 4 \mathrm{lbs}$ Per 100 ft ．
22 R 36163100 ft ，package ．．．Net 2.65 32 h $36460 \quad 1000 \mathrm{ft}$

Net 24.40

## MINIATURE ZIP．CORD PARALLEL

 CABLEMultd purpose miniature zip cord． 2 conduc． tor， 24 gauge stranded．Extremely flexible for whifi installations，auto speakers，low voltage contrat，efc．Arailable in white． brown，gray，clear．
Average shpg．WL． 1 lb．per 100 ft ．


## SPEAKER－LAMP CORD

U．listed 2 conducter zipcord for lamps speater leads，etc．All No． 18 Gagge excep －is 15 Gauge．Shpg．wt． $4 \frac{1}{4}$ tbs．per 100 ft ． Only in lengths shown below．

PLASTIC INSULATION POT
32 R 31743 日lack 25
32 品 31768 Erawn 25
Net 1.40
32 日 31768 Erown 25
12 Q 31776 Grown 25
Net 1.40
32 Q 31776 Erown 25
Net 2.50
Black 100
32 R 31826 ＊Brown 100
Net 3.75
I2 R 311834 Gray $100^{100}$
Net 3.75
Net 6.75
37 R 31834 Gray $100^{\circ}$
鳃 121842 White 100
Net 3.75
Net 3.75

## INDIVIDUALLY

SHIELDED ZIP CORD
Two canductors No． 24 （ 132 imdividually shielded in spiral wrap．Gray plastic jacket over each conductor．Ideally suited for audio， hi－fi，stereo and laboratory use．shpg．wt．， 1 10．ner 25
$\begin{array}{llll}32 \text { R } 31693 & 25^{\circ} & \text { spoot } \\ 32 \text { R } 31701 & 50^{\circ} & \text { spool }\end{array}$
Net 2.00
Net 3.39


## FOAM－TV TWIN LEAD

## －For UHF．VHF and Color TV

A liat 300 ohem twin lead with the conductors totally encased in and surrounded by poly ethyiene foam with an outer blact polyethy－ lene jacket．Has high resistance to ultra violet rays，eil，fumes，moisture，sall air and abrasion， 20 －gauge stranded copper con－ ductors．Available only in lengths lisfed below．Shpg．Wt．， $34 / 4$ tos．per 100 ft ． 32 R 36031 50－ft．Coil …．．．．Net 2.29 32 R 36049 100＋1．Coil …．．．．．Net 4.19 I2 R 36015 500－ft．Coil …．．．．Ne1 18.60 12 R 3602 JW 1000－ft．Coil ．．．．Net 36.85

## GUY WIRE

Available in Fpoergias，
steel，Vingl Coveres steel and Muminum


Faberclas cuy wire
Non－metallic，non－conduclive，non－radiating Ruy line for minimum loss． 1000 pounds ten－ sile strength．Will not rot，shrink，stretch or sar．Shpe．wt．， $34 / 2 \mathrm{lbs}$ ．per 100 ft ．
32 R 45016100 ft ．
6.50

32 R 45024600 ft ．
37.75
steel guy wire
Six strands of no． 20 high tensile strength galvanized steel wire．
33 R 3101450 ft ．roll Wi． $1 \mathrm{lb} . .55$
33 R 31022100 tt．roll Wt．， 2 lbs． 95
33 R 31030500 ft ．roll Wt．， 10 lbs .4 .59
VINYL COVERED CUY WIRE
Steel cuy wire as above with translucent green vinyl．Covering；weatherpropf，non－ streich．long lasting．
32 R 36494 sofi noll Wt．， $11 / 2 \mathrm{lbs} 1.05$ 32 日 36502100 ft ．roll Wt， $21 / 2$ lbs 2.00 32 R 36510250 ft ．roll Wt．， $61 / 4 \mathrm{lbs} .4 .89$

## ALULAMUM GUY MRE

7.18 gauge stranded wires．Breaking strength 500 lbs ．Shpg．wt．， $11 / 4$ los．
34 R 46275100 ft ．roti．．．．．．．．．．．．Net 2.65

## NLUMINUM GMOUND WRE

No．sauge solid conductor．
33 R 31048 io ft．coil。Wt．， $1 \mathrm{tb} . . . . . . . .1 .00$
33 Q 31055100 ft coil，WL． 174 lbs．．．． 1.93
13 品 31063500 ft ．coil，wt． 9 ib．$-\ldots . .15$

## AHTEFIA STRASM INSUlitoes



Fig．A．Brown glazed porcelain，Shpg．wt． 302.

22 R 300e3－－tots of 10 ea．． 10 Singly 23 Fig．IO．Johnson 136.32 ． $1122^{2}$ Long．Dry glared porcelain．
33 R 32459 wt．， 2 or．
Nef ea． 20

## INTERCOM WIRE



2－conductor Twisted：Flexible，tinned copper with piastic insulation over each conductor． Shipe．wh． 2 lbs．per 100 ft ．Avai able only in lengths listed below．
32 R 30521100 ft coil
1 ．．．．．．．．．．
Net 1.49
32 R 30539250 ft. spool
Net 3.39
3 concuctor twisted．Same construction as above．Shpg．Wi．， 1 ib．per 100 ft
32 R 30547100 ft ．coil
Net 2.05
32 R 30554250 ft．spool
Net 4.70
3 contuctor twisted same construction as above but with outer plastic packet overall． Shpg．wt． 2 ibs，per 100 ft ．
32 R 30562100 ft ．coil
Net 3.65
32 R 30570250 ft ．spoot ．．．．．．．．．Net 8.60

## SHIELDED ＂CONCO－FOAM＂

## －All Channel Color TV and FIM Cable

 Assures excētlent VMF．UNF．COLOR and B／W r．v．and fow reception in crowded areas where reception is critical．Mylar－aluminum shield ing provides strong and clean signals，elim－ inating electrical noise and ghost signals． 22 gauge．solic copperweld conductors flasm insulation．mylar aluminum foil shield， stranded tin capper down wire，black poly： ethylene outer jacket．Spade ferminats in－ claded． $47 / 4 \mathrm{tbs}$ ．per 100 ft ．Only in Iengths isted below32 R 3106750 ft ．Coil Net 4.39
32 R 3187575 ft ．coil …．．．．．．．．．Net 5.39
32 R 31883100 ft coit …．．．．．．．．．．Net 7.95


# TWIN-BOOM VHF-UHF-FM/Stereo Log-Periodic Antennas 

## 3

## ANTENNAS IN

 UHF-VHF-FM CHANNELS 2.83Complete with VHF-UHF-FMA Signal Splitter

## NO EXTPA CHARGE!

- One Down Lead Required
- Extra Long Super Sensitive Capacitor Coupled VHF Elements
- Multiple Directors and UHF Oriven Elements for Maximum Picture Power
- Iwin-8oom Constructien for Extra Strength
- Goldenized finish for Long Lasting Protection

Lafayette dehure all-purpose twin boom three in-me antemna for WHF. UHF, FM/STENKO. New Irequency independent design permits all elements to wark fogetier on both low and high bands for maz. inum front-foback ratio and high do gain. Extra long up to $55^{\circ}$ reinforced aluminum VWF elements with wide band "cap electronic" elements operate on both fundamental and harmenic modes. The result is an increased nomber of working elements producing max. imusm gain and directivity to bring sharpmess and cator brilliance to your screen, Disc on-Rod MHF director system relaforces perform. ance of surface wave UHF driver on low end of UHF band, improved impedance match obtained by unigue twin boom construction which combines mechanical rigidity with superior electrical performance. This superior construction virtuasty does away with inferference caused by wind and vibrations. Features heavy duty insulators. rust resistant hardware and tasting poldenized finish. Complete with splitter to separate VHF. UWF, and FM signals. Less mast.

## (A) 63 ELEMENT "ULTRA-FRINGE" ANTENNA

tange in miles up to: VMF to 200, UHF to 100. FM 20110,63 individ. Vidual elements, 22 for WH/FM. 41 for UHF. Has heavy auty $k /{ }^{2}$ " square "twin-boom" and toom orace support. Boom length 15 '2". Shpg wi 16 Hos.
I日 R O2772WK No Money Down*
Net 44.95

## (8) 45 ELEMENT "DEEP-FRINGE" ANTENNA

Range in miles up to: VHF to 150 , UHF to 80, FM to 85,45 individ. wal elements. 16 for V $4 F /$ FM. 29 for UHF. Has heavp-duty $1 / 4^{-}$square "Twin Beom" and boam brace support. Brom Lergth 11 z'. Shpg. wt. $122 / \mathrm{lbs}$.

Net 29.95

## [C] 27 ELEAENT "NEAR FRINGE* ANTENNA

Range in mites up to: VHF to 100 , UHF to 60: FM to 65, 27 individwal elements, 12 for VHF/OM. 15 for UHF. Mas heavy-duty $\%$ square "Twin Boom." Boom lengts $7^{\prime} 10^{\prime}$. Shag. Wr., 9 lbs

1. A 02198wX

Net 19.95

${ }^{0} 19{ }^{95}$
VMF to 100 mites UMF to 60 miles fal to 65 miles



FAMOUS VHF-FM COLOR 'TENNA


Twelve twin-driven elements work with carefully tuned, phased and spaced directors and reflectors to extend flat high galn response across entire VHF band. Cuts out ghosts and unwanted signals. Rugged reinforced aluminum etements and brackets stand up under most severe wind and ice loading. $100 \%$ pre assembled for easy Installation, Less mast. lead In. Shor, wt. 7 lbs.
18 R 01018 WX
Net 14.95

LAFAYETTE SUPER COLOR 'TENNA

## FOR VHF - UHF - AND FM/STEREO

 COMPLETE WITH VHF/UHF/FM SIGNAL SPLITTER- For Color and Black and White
- Protected Goldenized Finish
- Easy To Install, Just One Down Lead

26 Etement super color antenna with high gain providing fringe area reception on alt VHF/UNF/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/UMF/FM slgnal splitter. Requires only one down-lead. Range: 26 element. up to 140 miles VHF, 90 mites $F M, 60$ miles UHF. Boom length $105^{\circ}$ with aluminum boom sudDort.
18 R 01638wx Shpg. wt., 9 Ibs.
Net 24.95

## LAFAYETTE "Star Fire"'TM COLOR ANTENNA



- Range Up To: VHF- 50 Miles, UHF- 25 Miles, FM-30 Miles
Eleven etement high gain antenna provides VHF-UHF \& FM reception with one downtead. Separate folded dipoles on low and high bands assure greatest power with constant 300 ohm Impedance match. Sturdily constructed $68^{\circ}$ boom. Completely pre-assembled-just 5 nad oden to install. Goldenized finish resists corrosion.
18 R 01976 wX Shpg. wt, 5 lbs.
Net 10.95


# LAFAYETTE "Fringe Area" Antenna Outfits 

- 20-40 FT. MAST - WITH OR WITHOUT FAMOUS ALLIANCE ROTATOR - FINEST COMPONENTS



## INSTALLATION ACCESSORIES

Antensa burtits feature Lafayette "BeepFringe" Ler-Periodic Antensas, (See pages 24 to 285 for antennas? Each lit cantains pre-selected high-tain antenna, telescoping mast of heary gauge gafvanized steel, plus sill components in hit "A" which includes a universal base mount, lightning asrestor, $50^{\circ}$ ground, wire, $3-7 k^{\prime \prime}$ mast standoffs, $5-31 / 2^{\prime \prime}$ wood screw standoffs, 5 -puy hooks. 5-turnouckses, ground rod, 200 kuy wire sapplied with $20^{\circ}$ outtite; $500^{\circ}$ supplied with 40 outfits. $100^{\prime}$ twin lead supplled with all outfits. Optional Automatic Rotor package (Kit " B ") includes Alliance U-100 Automatic Rotor, thrust bearine additional $10^{\prime}$ ontema mast, 100 of rocor cable. Rits shipped express emfy.


## SAVE WHEN YOU BUY COMPLETE AMTENNA OUTFIT

Nothing else to bay. Available eth or without automstic rotor. Buying a kit gives you sub. stantial savings over the total catalog price of individual components if purchased separately.

| Stech Wo. | Arteent | Mest | it | 7t. | Pet |
| :---: | :---: | :---: | :---: | :---: | :---: |
| "ULTRA-FRINGE" VHF-UHF-FM ANTENNA OUTFITS |  |  |  |  |  |
| 18 R 90333WXM | 1802172wX | 20 Ft . |  | 393/4 lbs. | 57.50 |
| 18 R $29375 W \times M$ $18 \mathrm{R} 90367 \mathrm{~W} \times \mathrm{M}$ | See | 20 Ft 40 Ft . | A88 | 571/4 lbs. 58 libs | 96.50 |
| 16 R 90391wXM | 285 | 40 Ft | 8 | 58 libs. $75 \% 4 \mathrm{lbs}$. | 66.95 105.95 |
| "EXTREME-FRINGE" VHF-UHF-FM ANTENNA OUTFITS |  |  |  |  |  |
|  | 1801802WX | 20 Ft . |  | 361/4 los. | 48.50 |
| If R S0219WXM | Page | 20 FL . |  | 54/4 liss. | 56.00 |
| 16 R 90227 WXM | 284 | 40 Ft . | ACB | 723/4 lbs. | 94.95 |
| "ULTR-FRINGE" VHF-FM ANTENMA OUTFITS |  |  |  |  |  |
| 18 R 90235wXA | 01893wX |  |  |  |  |
| 18 R 90243 WKM | See | 20 Fi . | ÅB | 38 los. | 43.50 81.95 |
| 18 R So250WXM | Page | 40 FL | , | 5414/ los. | 51.00 |
| $18 \mathrm{R} 90268 \mathrm{~W} \times \mathrm{H}$ | 286 | 40 FE . | A\&B | 72 lbs . | 92.50 |

## CONICAL WINDOW ANTENNA



- Ideal for Apartments
- All Aluminum Construction


## [4] VWF moosicl

Contains 4 full-sized elements plus 2 high Irequency dipoles. Ideal for apartment buldine, hotels, etc., or wherever roof-top instalLotions are impractical but wecessary for the greater gain which is provided by a good outdoor antenna. Complete with all mounting hardware, less 300 ohm win lead. Base spans up to $44^{\prime}$. Shpg. wh., $31 / 2$ tbs.
10 R 013 VN VWF/UMF MMOEL . Net 6.50 B VMF/UNF MODEL
Same as WHF model plus's element UHF section.
IS R 01646W
Net 3.95
18 R 01398 Extension bai to $60^{\circ} . . . . . . . .1 .69$ 18 R 01406 Extension bar to $72^{\circ} \ldots \ldots 2.29$

The ideal metropolitan and surburban VWF TV antenna. For Ch. 2-13. Broad band. sharply directlve. Full length elements, all aluminum construction. famous ia-ine design. 300 -ohm impedance match reduces stray reflections and ghosts. Less mast. Shpt. WL. 4y/2 lbs. 18 虫 01026 W Net 7.95

## LAFAYETTE "PRIME AREA" VHF-UHF-FM ANTENNA

Reception

## - Range To 60 dailes -95 - Goldenized Finish

POWER BEAM VHF ANTENNA


5

- 9 Elements
- Range Up To 30 Miles

VHF-UHF
SPUTTER Signal Splitter
Receives sharp. clear pictures on all VHFUHF channels 2 to 83 , plus FM/stereo. Features 5 VHF and 4 UHF elements for crisD clean pictures in color or blach and white. Gold colored alodized all aluminum construction, Only one downlead meeded to set. Deluxe square boom for entra stabillty. Less mast. Shpg. Wt. $21 / 2$ lbs. 18 R 0223cw

## FOR CHANNELS 2-83 AND FM STEREO



# Super Colortron Antennas by Winegand 

## "COLOR-WEDGE" <br> FOR SUPER POWER COLOR CH 2.83 AND FM STEREO



Solid State Amplifier For Above Antennss See Listing Below

- Delivers Superb Color Fidelity and Perfect Black and White
- Exclusive Built-In Cartridge Housing
- Optional Solid State Preamplifier Loads instantiy Into Housing
- Single Downlead Into House
- Gold Anodized Throughout
- Super Rugged Truss Construction

Winegard Color-Wedge high gain, 82 channel antenwas provide supert color fidelity, perfect black and white pictures and exceltent fM stereo reception even in deep tringe areas. Extremely high fronttoback ratio and sharp directivity insure ghost-free reception. Narrow vertical reception pobe prevents amtenna from picking up such interferences as airpiane fiutter, ignition noise, and harmonic radiations from citizens band or amateur transmitters. Antennas feature perfect, no-toss coupling between VHF and UHF sections and precise impedance match to downlead terminals for exceflent signal transfer to TV set. Wedge desif of VHF elements provide maximum VHF capture area for increased eain... up to $50 \%$ sherter than most all-channel satemass with com. parable gain. Antenna is gold anodized and performance is not affected by moisture, Super-rueged truss construction holds elements in perfect alignment and withstands the most severe weather condrions Completely pre-assembled, easy to install. For extra power, use Super Colortron Cortridge Amplifier. See listing below.


## HIGH GAIN 82-CHANNEL SUPER COLORTRON ANTENNAS

 FOR VHF-UHFFMEutremely hich uniform gain for WHF-UHF.FM reception. Three modets with pin-point divectivity. High front-to-back ratio for zharg, cleas color and black and white reception Exclusive impecance correlaters allow each model to be much more compact for easier instalastion and less wind resistance. Features vertical resonant UMF reflectors for very high UHF cain. FM control elements allow user to peask antenna for extra long distance FM and FM stereo. Exclusive built-in cartridge housing holds $300 / 75$ ohm terminal board (included) for westher-tight down-lead connection. for extrs power, use Sucer Colortron Cartridee amplifier listed below.

| Steck Mo. | Mosel Me | Element | What | UlfF |  | Seng | $\begin{aligned} & \text { whe. } \\ & \text { wis. } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 R 6061 mwx | SC. 81 | 23 | 90 | 60 | 85 | 81" | 91/2 lbs. | 29.25 |
| 10. cos2cw | SC. 60 | 18 | 75 | 50 | 70 | 64* | 8 tbs. | 23.69 |
| 18 R Cos34W | SC. 79 | 13 | 50 | 40 | 55 | 44* | 64/2 lbs. | 18.63 |

## As Low As 863



## SOLIO STATE CARTRIDEE AMPLIFIER FOR ALL SUPER-COLORTRON AMTENMAS ABOVE

## - Amplifies VHF-UHF \& FM Signal

- Signal Booster Extends Reception Range, Strengthens Weak Channels aind Lets You Operate Several Sets At The Same Time

[^15]
## ONLY <br> 3

${ }^{\text {TS Sec Page } 29}$ for Full Credit Details an Eary Pay Plan


# FM Antennas for Superior Performance 



## FM ALL DIRECTIONAL ANTENNA KIT

- Attaches To Existing
- All Directional
- 40 Mile Range


## 650



Provides excellent gain for areas up to 40 miles from the station Gold alodized aluminum. Complete with 50 ft , of' $\mathbf{3 0 0}$-ohm twin lead, mast standoff, screw eye standoffs, mast mount,
18 R 01323W Shpg. wt., $31 / 4$ lbs
FM ANTENNA ONLY. Shpg. wt. 2 ibs
18 R 01331 W

## HIGH GAIN BROAD BAND FM ANTENNAS

## ALL DIRECTIQN FMT-A KIT FM STEREO MODEL FM-4G



- Receives Stations from All Directions
- Gold Corodized

Model FMT-A Mounts on present T.V. mast. An All Direction FM Antenna designed for receptlon over the entire FM band. Two folded dipoles are matched with a special quarter wave phasing stub for optimum gain and "all direction" radiation pickup pattern. Kit supplied with 50 ft . of 300 ohm twin lead, two mast stand-off insula. tors, 3 Wood screw-eye stand-off insula. tors. Gold Corodized, Shps wt, $33 / \mathrm{tbs}$ 18 R 30280W


- For Fringe Areas
- Gold Corodized

Receive clear, strong signals with this 6 element FM antenna. Geometrically designed to provide 9.6 do galn with twin driven element and impedance control stubs, Extra wide spacing of the six ele. ments results in high front to back ratio (22.5). Square boom for figid sucport with locking brackets for no-tilt elements. Preassembled. Shog. wt., 8 lbs

FM STEREO MODEL FM-5


- For Deep Fringe Areas 10 Element deluxe FM antenna using twin drive elements with Impedance controi "T match stubs. Do gain of 9.6 for maximum eception throughout $88-108 \mathrm{MHz}$ band Patented fidelity phasing provides 27.1 ronl to back ratio with 1.25 SWR. Corrosion resistant with gold corodized finish turdy saddle mounting of elements and "box girder" snap out, self allgning brackets are pre-assembled for easy installation, Araced square boom, 10 ft . long. Shpg. wt. ${ }^{8}$ los


## JMC@ WINDOW MOUNTED

- Ideal For Apartments,


Model FM -WT. The ideat answer to FM/FM Stereo reception problems in apartment bulidings, etc, wherever a rooftop anCenna is impractical but an outside antenna is needed for improved reception. The antenna is FiNCO's famous omnidirectional FMT, Ingenuously mounted on a highly adaptable window mount. Mounting can be elther horizonal or vertical. The sturdy extendable mindow trame mount will it any window up to $\mathbf{4 2}$ inches wide. shpg. wt., $41 / 2 \mathrm{lbs}$.
18 30462 w
Net 10.45
Dejend On Lafayette For Quality Communications Equipment

## INTCO <br> INDOOR 2-SET FM SIGNAL BOOSTER

## $17^{45}$

- High Gain 20db
- Ideal For Stereo And Monaural FM

Model 65-7, high gain, 20 do (nominah, low noise trankistorized FM amplifler, designed to refect any strong signals outside the FM
oand to improve reception of weak FIM signals in deep or medium fringe areas even where strong local sighals are present. Shock hazard is ellminated through the use of an isolation transformer. $300-\mathrm{hm}$ input and unique ovtput boand will drive 1 or $2,300-\mathrm{hm}$ sets. Compact, and easily meunted on set, baseboard, or wherever 18 R 30421 .
18 R 30421 Shpg. wt., $11 / 2$ lbs.

Rembiandt
IMPERIAL-COLOR UHF/VHF ANTENNA


- Electroplated 24 Karat Gold Loops
- Superior on Color and Black and White

For clearer and sharper color and black and white pictures, the imperial antenna has specially designed 6 -section all brass ele. ments with exclusive "Migh Inductance Grid" and "Loading Coil". You can actually pinpoint signal plehup with the combined action of the special "Signal". "Picfure". and "Cotor" controls provided. Five gears remotely control two sensitive color tuning loops which allow you to easily achieve more precise color adjustment on any set. Special 12-position signal level control reduces over. loading of signals. Walnut decorator styling. 18 R 12429 Shog. wt., 41/2 lbs. Net 24.95

COLOR CHAMPION

- Features Color Tuning Loops and Power Boosters
- VHF-UHF Isolation Network Switch of color tuning loops, power boosters, and 5 finish. Range vo to 30 miles.
Snps. wt. 42/4 lbs.
18 R 12411

Color VHF/UHF Indoor Antennas


Get clearer, sharper pictures on all VHF UHF channels 2 thru 83 , in color and blach and white, plus FM stereo. Combined action section $46^{\prime \prime}$ solid brass elements give superb receptlon. 12 position picture correction control clears up ghosts, snow and color fading in most difficult areas. Separate VHF/ UHF isolation network switch allows consistent true color levels and sharper color register. Attractive styiling with wainut

Net 19.95

VHF/UHF ANTENNA $12^{25}$

- For Channels 2.83
- For Color, Black and White IV Indoor IV antenna with 46" telescoping arms coupled with adjustable radar loops for extra efficient operation in difficult reception areas. 12-position dual control to reject ghosts and orient antenna to direc tion of strongest signal. Solid brass tip balls on telescoping arms eliminate signal losses and static discharge interference. Radar loop principle makes possibie clearer and sharper pictures on all channels. Matched Impedance with separate leads for VHF and UMF. Attractive. durable plastic base. Snpg.wt., $34 / 4 \mathrm{lbs}$. 18 R 12080 Walnut Net 9.95 18 R 12072 Mahogany. Net 9.95


## $6^{95}$

"RADARCOIL" VHF/UHF ANTENNA

- For Color and Black \& Whité

Wherever an indoor antenna is necessary for both color and black-and-white allchannel TV reception, the "Radar Coil" will bring you clearer and sharper pictures. Powerful indoor antenna utilizes $46^{* *}$ long solid-brass 4 .section telescop. ing arms to provide efficient reception, plus 12-position switch helps to eliminate ghosts and snow. A real beauty to grace any decor. includes separate leads for VHF and UHF. Available in mahogany, or walnut finish base. Shpg.
wh. ${ }^{23 / 2101} 122$ Walnut Net 6.95
18 R 12114 Mahogany .....Net 6.95


## "POWER-KING" VHF/UHF ANTENNA

\author{

- 12.Position Switch
}

Designed for both color and black-andwhite: all channels VMF UHF 2 thru 83, plus FM stereo $88-108 \mathrm{MHz}$. Combined action of unlque concentric rings and long 39" telescoping arms hetp to eliminate ghosts, snow and interference for clear sharp black-and-white plus true-to-life color reception. 12 -position station direction control effectively matches the antenna to channel frequency for optimum gain and all-directional pickup pattern. Slimline styting. Includes separate leads for VMF and UHF. Shpg. wt., 2 lbs.
18 R 12155 Walnut ..........Net 4.98 18 R 12148 Mahogany ....... Net 4.98

# Add Channels 14-83 To Your 12 Channel TV Set 

blonder-tongue uhf CONVERTER/AMP UIFIER

## BLONDER-TONGUE UHF CONVERTER

FINCO UHF CONVERTER


Madel BTX-11A Now you can enjoy additional educational and regular UHF programing. This attractive solid-state converter adds ali UHF channels (14-83) to your present TV . anywhere within the range of aHF station. Fealures a new dual speed 100 to 1 fine vernler and illuminated dial for easy tuning; 3 times amplification; couble tuned UMF Input circuits and shielded oscillator section for Interference-free reception, AC conven. lence outiet. Complete with JHF loop antenna, connecting cable. Relisble patented tuner, spliceless, stripless terminals. For $110-120 \mathrm{Vac} 60 \mathrm{~Hz}$, UL listed. Shpg. wt., 2 lbs 18 R18319

$$
\text { Net } 30.90
$$


"MONTEGO" COLOR VHF/UHF TV ANTENNA

Modef B7x-999 Keep abreast with the new look in TV programing. If your present television has been dated by modern UHF recepvision has been dated by modern modernize your TV and allow for future expansion. Adds all UHF channels $(14-83)$ to expansion. Adds all UHF channels ( $14-83$ ) to
your B\&W or color TV set. Ideal for prime signat areas up to 20 miles from the station, and in many areas can perform well using only an Indoor antenna, Low noise, solid state circult is virtually drift-free. Rugged, reliable patented tuner. Fine vernier illuminated dial for easy tuning. Spliceless, stripless terminals. Complete with UHF loop antenna, connecting cable. For $110-120$ V, 60 Hz , AC. UL listed. Shpg. wt., 2 lbs.
I8 R 18301.

Model U-VERT 100 All-transistor UHF converter provides clear, all-channel reception in metropolitan 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, streamlined is housed in a sturdy, plastic, streamlined
will actually enhance the appearance of any room as il sits on top of the TV set. Easy to install-all you need is a screw driver and a few minutes of your time; extremely simple to operate. Meets all FCC specifications. Overall cabinet site $8 \times 5 \times$ $31 / 4^{\omega}$. Operates with $110-120$ volts. 60 Hz ., AC. U.L Iisted. Shpg. wt., $21 / 4 \mathrm{lbs}$. 18 R 30314

## $\sqrt{-} 0$

- All Angle Ball Sockets For Easy Positioning
- Features Color-Accented Dipoles
-14-Position Picture Clarifier Control
fust flick the knob of this advanced indoor TV antenna and eliminate ghosts, snow and smears. interacting impedance matching circuits work together with phased intersecting loops and adjustable ballplvoted $45^{\prime \prime}$ telescoping divoles to putt in true-to-tite color, and sharper black and white on channels 2 :0 83. Color accented dipoles. High quallty polished chromated brass elements. Handsomely styled walnut colored tilt-proof base. Separate VHF and UHF twin leads. Shpa. wt.. 3 Its.
18 R $39208 \ldots$.... Net 7.95

- Features Color-Accented Dipoles
- 14-Position Picture Clarifier Control - Clears-up Color, Black/ White and FM Stereo
Deluxe indoor TV antenna for color. black and white reception. 14 position picture tuning control clears-up snow, ghests and smears. Interacting impedance matching elircuirs and adjustable ball-pivoted $45^{\prime \prime}$ telescoping color-accented dipoles deliver brighter, crisper pletures in color or black and white on channels 2 to 83 . High quafity polished chromated brass elements. Elegant walnut colored tllt-proof base with wainut wood grain inlay. Separate WHF and UHF twin leads. Shipga wt., 4 ths.
4 lbs.
18 R 39216
Net 12.95

[A] 4-SECTION DIPOLE ANTENNA
Tip proof base. 4 -section aluminum dipoles adjust for best picture on all VHF channels and FM. Hand some mahogany base. Tip-proof felt padded base design safeguards TV cabinet. Complete with 300 -ohm twin line. Shpg. wt., $11 / 4 \mathrm{lbs}$.


## 18 R 38408

Net 1.69
(B) ASTRO.JET SWITCH-TYPE ANTENNA

Duat cirection-finding loops pult in stronger signals on UHF spectrum. 4 -section. 38 inch. telescoping dipoles provide VHF reception. Multi-position channel-selector switch rejects ghosts, interference. Separate leads for VHF and UHF. Cushloned, tip-proof mahogany base. Shpg. wt. $13 / 4 \mathrm{lbs}$. 18 R 38853

Net 3.95 Similar to above for VHF/Fin oniy. 18 R 38390 Net 2.95 (C) UNIVERSAL BEHIND-SET IV ANTENNA For portable and console TV's. Excellent replaceraent. $5 \cdot$-section, highly polished dipoles extend to $38^{\prime \prime}$ and have a $360^{\circ}$ swivel. Collapses behind set. With mounting screws. 18 R 71011 Shpg. wt., $3 / 4$ Ib. Net 2.39


"LE MANS" COLOR VHF/UHF TV ANTENNA

## Winegard Color TV.FM Boosters



- Perfect For Ch. 2-83
and FM Home System Excellent For Color Because Of Uniform Gain

Motlel AC-332 highly efficient TV-FM signat amplifier with overtay sillicon transistors and printed efrcuitry. Delivers full gain on all 82 channels ( 5 db for VHF, 4.5 for UHF), enough to operate $1,2,3$, or 4 sets. 15 db isolation between outputs. Low noise ( 6.2 db avg., VHF, 11.7 do 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" comeclions. In enamel steel case with comnectors and instructions. 117 VAC . Shpe. wt., $21 / 4$ tbs.
18 R 60733
Net 30.48
Madef Ec-722. Similar to above except for 75 ohms; gain 6.5 db per output. Shpg. wt., $21 / 4 \mathrm{fbs}$.
18 R 60741
Net 33.04

## SOLID STATE VHF-FM 4-SET BOOSTER.COUPLER



- +7.1db Gain To Each Of 4-300 Ohm Outputs
- Recommended For Color and Black and White-
- Improves FM Reception
- 75 and $300-\mathrm{hm}$ Inputs
Madel 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 temperature stable overlay silicon transistors-long life, low cosi operation. Flat response for perfect color reception. No interaction between sets. All metal housing. Includes connectors. 117 VAC . 18 R 60758 Shpg. wt., $21 / 2$ lbs.

Net 29.10
Model BC- 274 As above, except with 475 ohm outputs. Ave, gain 4 db per output. With connectors. Shpg. wt., 242 los .
18 R 60766
Net 29.37

## +25 dh VHF-UHF-FM SOLID-STATE COLOR SYSTEM AMPLIFIER



- Will Drive 10 TV/FM Units
- Use In Motels.

Apartments, Hospitals, Homes
Madel DA-329n. 75-ohm, 82-channel high quality color and black and white amplifier with 25 db gain. Rugged transistor circuitry fealures silicon transistors in a unique grounded emitter circuit for excellent stability, sensitivty, and ultra-low noise figure ( 5.1 do VHF, 7 db UHF.) Provides 35 db mV per channel UHF output with 4 -channel input operating at $60 \%$ maximum input level, ideal tor home and commercial MaIV systems with up to 10 line tap offs. May be used with a single 82 channel antenna or separate VHF-UHF antennas Has separate inputs for VHF and UWF. Model Cs-775 separator-joiner recommended for separaling VHF-UHF signal from a single downlead of a 82 channel antenna. Compactly designed in a cabinet unit. Complete with coaxial connectors, hardware and built-in 117 VAC power supply. Shpe. wt., $21 / 4$ los.
18R60709 No Money Down.
Net 44.90
Model C5-775 Separator-Joiner to attach single downlead to separate UHF.VH. inputs of OA-825A above. Shpg. wt., $1 / 2 \mathrm{lb}$. 18R60824

Net 5.96
SUGGESTED DISTRIBUTION SYSTEM FOR ABOVE


294
Lafayette Cat. No. 720

## B2 CHAMMEL 2-TRANSISTOR VHF-UHF-FM SOLID-STATE AMPLIFIER

## - 20db Gain On VHF-FM

- 10db Gain On UHF
- For Color and

Black and White

- Use With Any

VHF-UHF-FM Antenna
Modef RD- 830 Twin-transistor anten. na preamplifier gives big signal boost to any 82 channel antenna for beautiful color and black and white recedtion. No extra wires needed connects to existing downlead. High signal input assures snow-free reception of weak and distant stations AC isolation transformer-no stock hazard Protected against lightning, static discharges, or power line surges. Built-in hi-pass filter. Has single 300 ohm input and output. With AC power supply, mig. hardware. 117 VAC. 60 Hz Shpg. wt., 112 lbs .
18 R 60373 ....................Net 24.25
Medel RD-A70 Same as above but 75 -obm output.
18 R 60881
Net 24.71
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-830. Boosts signals on all chamnels 2 thry 83 , plus FM; operates two TV sets or IV and FM set from single 300 ohm amtenna downtead. Unique lightning protected circuit overcomes toss of splitting signats. Average gain of 5.25 db to each output, provides a healthy boost for show-lree pictures. Migh input level prevents overload in mixed signal area, 300 ohm input and output thru handy "no strip" screw terminals. Operates on 117 VaC .. 60 Mz . Shpg., $3 / 4 \mathrm{ID}$. 18 R 60717

Net 14.32
Model 8c- 370 . Similar to above, except with 2.75 ohm outputs. Average gain. 4.5 db to each output. Shpg. wt., $3 / 4 \mathrm{lb}$.
18 R 60725
Net 16.25


- Transistorized
- Gives You 8 Times More FM Signal
- Ideal for Stereo and Monaural FM - Easy to Install

Model FM-340. Greatly improves FM and FM stereo reception. Transistorized booster-amplifier adds +17 db gain (d times more sigwar) to incoming signal. Ideat for fringe and deep fringe areas. 300 ohm input and output. Bandpass: $88-108 \cdot \mathrm{MHz}$. Operates on 110.120 VaC 60 Hz .
18 R 60642 Shpg wt., 3/4 ibs.
Net 14.20

## ACCESSORIES FOR DISTRIBUTION SYSTEM



Model YTT. 73 -Flush mounting 82 channel variable line tap. Matches 75 ohm input to 300 ohm output. Fits standard wall box-with pilug.
18 R 60774 Shpg. wt. 7 oz.
Net 3.7
Model shet Rugged plastic, surface mounting wall box for outiets or line tap-ofts. Shpg. Wh., 6 oz . 18 R 60907

Net 60
Model 1-20-82-channel molded matching transformer for attachIng 75 ohm coaxial cable to 300 ohm antemna terminals of TV set. Features very low insertion loss with 5.59 connector. Shpg. wh., 7 or. 18 R 60204

Net 2.19
Madel 8.20.1 Mast mounted 82 channeh. Matching Transformer matches 300 ohm antenna to 75 ohm coaxial cable. Complete with mounting clip, weatherproof boot, and F-59 connector. Wt. 8 oz, 18 R 60816

Net 2.30
Motel Cs-2ms-Behind set VMF.UMF signal splitter.
18 R 60584 Shpg. wi., 4 oz.
Net 225
Medel CS-17s Behind set VHF.UMF signal splitter and $75-300$ ohm matching transformer with F-59 connector.
18 R 60675 Shpg wt. 4 oz .
-See Page 22 for Full Credit Details on Eusy Pay Plan

## COLOR Color TV-FM Boosters COLOR

LAFAYETTE COLOR-BOOST TRANSISTORIZED
VHF-FM-ANTENNA BOOSTER FOR CHANNEL 2-13 \& FM/STEREO
$15^{50}$
Made in U.SA.

Mast
Indoor Power Mounted Supply Unit - Gain +14.6 db - Supplies TV set Up To 5 Times More Signal - Low Noise High Gain Transistorized Circuit-Use With Any VHF (Ch. 2-13) Or FM Antenna
Solid-state antenna preamplifler for superto fringè area reception, Gives sharp color and clean black and white plctures without snow and interference plus provides a healthy boost to Fim. Features exclusive lightning protection circuit, highest quatity components, and latest RF circuit techniques, Weatherproof outdoor housing has handy five-way mounting bracket and "no-strip" screw terminals. Separate power supply plugs into any 117 VAC., 60 Hz outiet, AC isolation transformer in the power supply ellminates shock harard. Has single 300 ohm input and output
18 R 02131 Shpg. wt., 1 1/2 lbs.
Net 15.50

## LAFAYETTE TRANSISTORIZED 4-SET VHF-TV/FM ANTENNA BDOSTER

FOR CHANNEL 2.13 \& FM/STEREO


- 300 ohm Input-

$$
4 \text { - } 300 \text { ohm Outputs }
$$

- Amplifies Signals for Up to 4 Sets
- Easy to Connect and Economical to Operate If your antenna isn't pulling in signals of suffictent strength then this Lafayette Booster Amplifler is just what you need. Screw-on terminals make wire connections easy, no cutting is necessary. Transistor circuit runs coof, draws little current. Signal strength is boosted 3 to 5 times. Will 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 $4 \frac{1}{4} W \times 11 / / H \times 31 / 2^{\prime \prime} \mathrm{D}$. For 117 wolts, 60 Hz AC. Imported. Shpg. wi., 1 it.
99 R 60115
Net 14.95


Model SP-2382CD VHF/UHF/FM Mast Mounted 3 Transistor Amplifier. 12 db gain on VHF and FM, 14 db gain on UHF. Clears up ghosts, snow and interterence for color black and white and FM reception 300 ohm input and outputs. Weather and lightning protected amplifier unit mounts on mast for high signal to noise ratlo. Compact power supply. Needs only one downlead from VHF/UHF/FM antenna. For $110-120$ VAC, 60 Hz . Shpg. wt., $21 / 4 \mathrm{lbs}$.
18 R 39158 No Money Down*
Net 44.07 Model SF.2300CO Similar to above except for VHF-Ct. 2-13 and FM only. Power supply has built-In coupler to operate two sets, Gain/ VHF-One set, $14 \mathrm{db}, 2$ sets 8.5 db at each output.
18 R 39182

LAFAYETTE CDLOR-AMP. TRANSISTORIZEO
VHF-UHF-FM ANTENNA BOOSTER
FOR CHANNEL $2-83$ \& FM/STEREO
$21^{95}$


- Gain 20 db VHF-FM - 10 db UHF - Uses Low Noise 2-Transistor Solid-State Circuit
- Use With Any Outdoor TV or FM Antenna AC Isolation Transformer - No Shock Hazard
Enjoy vivid cotor and crisp black and white plcfures; instantly improve your FM reception, 2-transistor solid-state mast-mounted preamplifier overcomes downlead losses and rejects interference, matching your roof antenna to your TV or FR set undep all atmospheric and weather conditions. Gives 20 db boost to VHF and FM; 10 db to UHF. Designed for moderate to fringe area signals. Weatherproof outdoor housing mounts easily on an antenna boom or mast. Complete with 117 VAC indoor power-supply and hardware. Has single 300 -ohm input and output thru "no-strip" screw terminals. Shpg. wt. $11 / 2$ bs. 18 R 02149

Net 21.95

## LAFAYETTE TRANSISTORIZED 4-SET VHF-UHF-FM ANTENNA BOOSTER

FOR CHANNEL $2-83 \&$ FM/STEREO

## $27^{95}$

- 300 ohm Input- कात

4-300 ohm Outputs

- Ideal For Home TV/FM Entertainment Systems
- Perfect For Color And Black and White

Mighty efficient 3 transistor Indoor amplifier boosts and distributes VHF/UHF/FM signals to as many as four TV and/or FM receivers. Three Noverloados silicon overlay transistor circuitry provides 6 db VHF galn and 6.5 db UHF galn at each of four 300 -ohm outputs. Flat response across each channel for excellent color. 15 db gain isolation between outputs. High Inpul signal capabllity boosts weak signals but will not overload from other strong signals in area. pilot light. Amplifier and power supply are combined into one perforated steel cabinet. Size: $2 \mathrm{H} \times 40 \mathrm{~K} 6 \mathrm{w} / 4 \mathrm{~W}$. for 117 VAC, 60 Hz . im ported. Skpg. wt., 2 lbs.
18 R 02214
Net 27.95

## $5 \begin{aligned} & \text { INDOOR VHF-UHF-FM } \\ & \text { COLOR AMPLIFIER }\end{aligned}$



Model PC-4382CD VHF/UHF/FM Director 3 Transistor Amplifier. Improves performance of any VHF/UHF/ /M combination antenna using one downlead. Broadband design. 300 ohm input splits to four 300 ohm outputs with 6.5 db gain per output. Network completely isolates each output and prevents interaction. Ultralow nolse sllicon "Novertoad" transistor circuitry. Improves calor reception. Easily mounts in any position on any susface. For $110-120$ VAC, 60 Hz . Size: $5 \times 31 / 2$ x13". Shpg. wt., 2 lbs.
18R39166
Net 31.95
Model PC-4312CD Similar to above except for VHF-Ch. 2-13 and FM, 8 db gain per output.
18 R 39174
Net 22.50

# BLONDER TTONGUE TV and FM Boosters 



Model DA-4K-300 indcor 300 ohm amplifier tor channels $2-13$ plus FM. All solid-state transistor amplifier can supply up to 4 sets. Gain: At each of outputs-VHF (ch. 2-13) 6.2 db : Maximum signal-to-noise ratio for clear pictures. Encellent isolation between outputs prevents interaction between sets. Use in home and $s \mathrm{mall} 300$-ohm systems. stripless screw terminals. Self-contained power supply. $81 / 4 \times 3 \mathrm{~V} / 4 \mathrm{I}^{\prime \prime}$. $110-120 \mathrm{VAC} .60 \mathrm{Mz}$.
18 R 18335 Shpg. wt., $11 / 4$ los.
Net 15.15

## 4 SET VHF-FM 75-OH8 AMPLIFIER-COUPLER

Model OA-4V75-Similar to above except with 75 -ohm ingut and $4-75$ ohm outputs. Average gain to each output 5 db. Shpe wt. 112 lbs.

## 18 R 18434

Nel 23.40

## 4-SET VHF/UHF/FM AMPLIFIER

Model OA-4UV-300. Similar to above except for channels $2-23$ plus FM. 3-transistor silicon eircuitry. Gain. At each of 4 outputs VW (ch. 2-13) 5 db , UHF (ch. 14-83) $7 \mathrm{db} .110-120$ VAC, 60 Hz 18 R 18343 No Money Downt Shipg. wt. 11 oz. ....... Net 31.15
RAST-MOUNTING VHF-UHF-FM AMPLIFIER


Mast Mounted Unit


- 4 Silicon Transistors - For Color and Black and White
No Money
Down*

Voyager weatherproof all-channel (2-83) amplifier and remote power supply. Silicon transistors provide peak pefformance. Will not overload it there are strong local stations. Dual amplification increases signal up to 5 times. Has separate 300 ;ohm UMF and VHF inputs and outputs and FM overload filter. Protected against lightning. static discharge and powerline surges Gain: VHF (ch. 2.6) 14 db . (ch. 7-13) 14.7 dB: UMF ( ch .14 .83 ) 12.3 dB . Complete with power supply and mounting hardware. Size: $21 / 5 \times 31 / 6 \times 13{ }^{2}$. Power supply. 4\%a31\%ax $1 \%$. For 117 VAC .
Indoor Power Supply 18 R 18095 Shpg. wt. 2 ibs. Net 35.25

## MAST-MOUNTING 2-TRANSISTOR VHF/FM AMPLIFIER

Worizon solid-state, mast mounted home TV amplifier with remote power supply. 2-transistor circuit brings in distant and local stations with sparkting clarity and no overloading. Built-in 2 set coupler. Gain: At each of 2 outputs-WH (ch. 2-6) 9.5 db ; (ch. 7-13) 11 db . Hardware provided. IIIVAC, Size: 24/54:3\%". Power supply, 4\%x $314 \times 3 \%$. Similar appearance to above.
18 R 110103 Shpg. wt., $11 / 2$ lbs.
Net 26.35

## AMECO NUVISTOR FM PREAMPLIFIER

 $34^{95}$Nuvistor Cascode FM Pre amplifier is the ideal solution for weah, fading, and noisy FM reception. Extremely easy to install
 and operate; just connect between your existing FM antenna and runer or receiver with 300 ohm twin-lead wire. Contains its own power supply and ONN/OFF indicator fight and may be placed anywhere near the FM tuner. Once desired station is tuned on FM tuner, the control is also luned to that station for optimum reception. Greatly hetps to eliminate fading and bactground noise especially inherent in weak FM multipler sighals. Features two $60 \$ 44$ nuvistors in cascode circult. Sire $57 / 4 \mathrm{~W} x$ $3 \mathrm{H}=33 \mathrm{~m}^{\circ} \mathrm{D}$. Power requirements $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., $24 / \mathrm{lbs}$. 21 R 20012

Net 34.95


## 4-Set VHF/UHF/FM AMPLIFIER/COUPLER

 As Low As$14^{95}$

4-300 Ohm Outputs

- For Channels 2-83 Plus FM

Homer 300 U/V indoon, solid state, 4 output, 300 -ohm VHF/UWF/FM indoor powered amplifier/coupler for VHF UHF channels 2.83 plus FM. Low noise transistorized circuitry. Excellent isolation between outputs prevents interaction between sets. 300 -ohm balanced input/ output impedance. Gain: At each of 4 oulputs-VMF (ch. 2-6) 7.5 db . (ch. 7-13) 6.5 db; UHF (ch. $14-83$ ) 1.0 db . All terminals with stripiess screws. Sire: $3 \times 41 /{ }^{2} \%^{* \prime}$. For $110-120 \mathrm{VAC} .60 \mathrm{~Hz}$.
18 R 18392 Shpg. wt., \$/4 ib.
Net 14.95

## MAST-MOUNTED HIGH GAIN VHF-FM AMPLIFIER



Delure two-piece mast mounted amplifier for use in the most difficult reception areas. One of the most poweriul units available 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 preampliffier for an HAB or other distribution amplifier. Power is duplexed onto lead connecting amplifier and its remote power supply. (Power supply is incluaed with unit), Mast mounted amplifier has 300 ohm input ame 75 ohm output. Specs.: 30 do gain on all VHF and FM frequencies, Remote Amplifier/Power supply mounts anywhereindoors. Single 75 -ohm input and output. Supplied with coaxial connectors. Size: Mast Mounted Unit-51/4 $340 \times 31 /{ }^{\prime \prime}$; Indoor Amplifier/ Power Supply- $81 / 4 \times 33 / 2 \times 21 / 4^{\omega \prime}$. For 117 volts $A C$. 60 Mz .
18R 18376 Shpg. wt., $23 / 4$ lbs.
Net 44.95

## BLONDER-TONGUE PRISM-MATIC AUTOMATIC ANTENNA ROTATOR

 35 No Maney Down - Solid State Control Box Antenna

- Heavy Duty Thrust Bearings

Control Box
Madel PM-1. Just set the dial and the PrismMatic automatically aims your antema to the direction indicated. Complete solid state


Retator control unit assures precise synchronization throughout the futl $360^{\circ}$ rotation. High power DC motor allows low current to pass thru the leads. Has automatic shut-oft, positive brating and itluminated dial. Offcenter loading ensures non-breakage. at 1300 ft . libs. Accepts masts up to $11 / 2^{-}$dia. meter. In addition, unit is short circuit proof, burn-out proof and tightning protected. Operates at temperature extremes from $-30^{\circ}$ F to $+140^{\circ}$ F and $100 \%$ hum: dity. factory lubricated for life. Supplied with corrosion resistant mounting hardware, Control unit is hi-mpact beige and brown palystyrene cabinet with brushed compass face. 27/6x54/4x 7 . 105-130 VAC. Uses 4 conductor cables. Shpa. Wt. $71 / 2$ lbs.
10R 18418 w
Net 35.95 For cable listing see page 297.
-See Page 22 for Full Credit Details on Easy Pay Plan

## Alliance Tenna-Rotor" Systems



## $35^{97}$

No Money Bown*

## (a)



## 2878 <br> (D) <br> $19^{37}$

$24^{03}$


- Factory Lubricated for Life
- Reinforced Housing Weather Protected
- External Hardware of Corrosion Resistant Materials
- Full $360^{\circ}$ Rotation
(A) Madel C-225 Automatic Rotor 5ystem with Yransistorized controt Box. Enables you to receive the brightest, clearest picture possible and eliminate interference with pin-point accuracy. You can bring in more stations and in addition, you have the sensitive tuning required for Color TV viewing, CB, \& Amateur Radio. Accepts masts to $13 \mathrm{H}^{\prime \prime} 0.0$. Guy wire acceasses provide secure installation. Has patented offiset feed thru design for greater strength -to-weight ralio. Controf Case is solld-state, teaturing a patented phase-sensing bridge circuit from scientific laboratory test equipment. Completely silient operation and accurate repeatabillty. Size: Rotator: $73 / 4 \times 41 / 2$ ${ }^{x} 8^{\prime \prime}$ ". Control Case: $61 / 2 \times 4 / 1 / x^{\circ \prime} 5^{\prime \prime}, 115 \mathrm{~V} .60 \mathrm{~Hz}$ AC, 80 Watts. Uses 5 Cond cable. Shpg. wt., $91 / 2$ los.


## 18 R 14011 W

Net 35.97
(B)model U-100 Automatic Rotor System. Accepts masts to $176^{\circ} 0.0 .0$ Guy wire accesses provide secure installation. Control Box fully automatic, just set control knob amd antenna rotates to desired position and stops automatically. Indicator shows position of antenna, Has positive mechanical stop at the end of rotation. Sizes: Rotator $73 / 4 \times 41 / 3188^{\prime \prime}$. Control Case $7 \times 41 / 2 \times 4 \sim 115 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC} \mathrm{at} 65$ Watts. Uses 4 Cond. Cable. Strpg. wt., $91 / 2$ ibs.
18 R 14037 W

- 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
(C) Model T-4s Manual Rotor System. Slight pressure on the control bar rotates antenna through its full $360^{\circ}$ cycle and stops at any point by releasing the bar. New patented 5 -wire circuit provides 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 direction Indication, $115 \mathrm{~V}, 60 \mathrm{~Hz}$ at 70 Watts. Size: Rotator $77 / 4 \mathrm{x}$ $41 / 2 \times 8^{\prime \prime}$. Control Case $61 / 2 \times 41 / 2 \times 21 / 2^{\circ}$. Uses 5 Cond. Cable. 18 R 14029 w Shpg. wt., 10 lbs.

Net 24.03
(D) Model K-22 Manual gotor System. Economy model--provides instant fingertip control of rotation. Push on end of bar and antenna turns clockwise. Push down on other end and antenna turns counterclockwise. Automatic signal light indicates when fimit of travel in elther directon has been reached. Size; Rotator $71 / 444 / 2 \times 8^{\circ}$. Case $515 \times 4=.115$ V. 60 Mz . AC at 50 watts. Uses 4 Cond. Cable. 18R 14045 w Shpg. wt., $8 \% / 4 \mathrm{lbs}$.

Net 19.37
[E] Thrust Bearing Brachet. Recommended for stacking antennas, Withstands velnds up to 90 M.P.H. Prevents buckling and bending. Shpg. Wt., 2 pbs.

Net 2.97

## 18 R 14052 <br> CORNELL DUBILIER ROTORS

AR-22R AUTOMATIC ROTOR SYSTEM (units 1 \& 2)
Heavy duty rotor will handle antennas up to 150 lbs . Developed from years of experience in the amateur radio field. Completely weatherproof and life lubricated. Simple automatic operation. Set the edgeIft dial at the desired position and the rotor will automatlcally rotate to this position and firmly brake lim place. Reversible clamps will accommodate masts from $7 \mathbf{\%}^{\prime \prime}$ to $2^{\circ} 0.0$. Control unit is marked in compass points. Housed in attractive Black Vinyl steel clad cabinet, dial edge llluminated. Complete with rotor, control unit and instructions. Uses 4 wire cable. For $110 / 12 \mathrm{C}$ volt, $50-60 \mathrm{~Hz}$, A. C. Wt., 15 lbs 42 R 86076 W No Money Down ${ }^{*}$

Net 36.95

## AR-33 SOLID STATE AUTOROTORTM (units 1 \& 3)

 - Fully Automatic Pushbutton Antenna RotorFor 5 Specific Stations
Advanced design, heavy-duty antenna rotor. Control unit; features an exclusive CDE patented circuit with five station pushbutton automatic control function, plus $360^{\circ}$ compass dial operation; pushbutton feature can be pre-set to select any five antenna positions automatically, Quiet operating solld state circuitry includes rugged siticon transistors protected by an RF bypass provision, heavy duty relay contacts, and thermally protected transformer. Unit controls The famous COE heavy-duty "Bell" rotor. Uses five conductor cable. For 110/120V., $50 / 60 \mathrm{~Hz} \mathrm{AC}$, Shpg, wt.. 16 lbs. 42 R 86100 W No Money Down*

Net 49.95
 $30^{9}$ No Money Down*
(3)


## cables for alliance and cde rotators

4 Conductor flat cable, Shpg. wt., $2 \frac{1}{6}$ tbs. per 100 ft . 32 R 89105 Per 100 ft .

Net 3.40
5 Conductor Cable. Shpg. wt., $2 \% \mathrm{lbs}$. per 100 ft .

# TV Couplers-Splitters-Filters 

LAFAYETIE 2-SET VHF-UHF-FM COUPLER


Couples 2 TV or FM sets from a single TV/FM Antenna. Low insertion loss and high isolation between sets. Ideat for calor or black and white installations. Easy to install, no-strip 300 -ohm input and output terminals and mounting hardware. When used with 82 chanmol (MiF-UMF) TV sets. $93-40339$ signal splitter required isee this page). Imported shipg wt, 5 oz . 99 R 4023

Net 1.49

## BLONOER-TONGUE 2-SET UHF VHF FM COUPLER



- Excellent Isolation
- No Strip Terminals

Model $-102 \mathrm{U} / \mathrm{V}$. Couples 2 TV or FM sets from one TV/FM Antenna, Low loss design and exceltent isolation between sets prevents interaction. No strip terminals for use with 300 -ohm line. When used with 82 channel TV set, with separate VHF.UHF antenna input terminals. Behind set signal splitter required (see $99-40339$ this page). Sturdy, non-breakable case. Shpg. wt., $50 z$.
18 R 18327
Net 2.19
LAFAYETTE LO-PASS LINE FILTER
 329 - Dual Ferrite $\begin{gathered}\text { Core Coils }\end{gathered}$

Exceptionally efficient line nolse efminator. Utifizing duat ferrite core coils, heavily wound. Eliminates line noises caused by motors, industriat RF, neons, appliances, etc. Particularly useful on TY and tM sets, radios, tuners, record players., Automatic attenuation of unwanted disturbances. For $110-125$ VAC, 60 Hz ; 350 watts mar. Imperted. Shpe. wt., 1 lb . 99 R 40057

Net 3.29

## LAFAYETIE 4SET VHF-UHF-FM COUPLER



- Up To 4 TV or FM Sets from One Antenna
- Low Signal Loss

Couples up to 4 TV or FM sets from a single TV/FM antennan. Excellent design gives high isolation between sets and low insertion loss. For color and blach \& white. Easy to install, no-strip $\mathbf{3 0 0}$ - ohm input and output terminals, and mounting hardware, when used with 82 channel (VHF-UHF) TV sets. $59-40335$ signal splitter required (see this paye). Imported Shpg. wt, 5 oz .
99 R 40321
Net 1.99

## LAFAVETE IMEOOR VHF-UHF SIGMAL SPIITTER



- Separate VMF And UHF Signal From A 82 Channel Single Line Installation

Bach of set, VWF-UMF signal splitter. Adapts a single all-ehannel 300 -ohm twinlead to a. 82 channel TV set with separate VHF and UHF 300 -ohm input terminals. Low insertion loss and high isolation between VHF and UMF bands insures sharp pictures on color and blach 8 white. No-strip input terminals-includes pre-attached VHF-UHF leads. Imported. Shpg. wt., 301
99 R 40339
QAFPVETTE TV FIITERITER


249

- Eliminates Most Television Interference

Easily adjusted to remove any antenna-fed interterence causine picture distortion: FM. diathermy. SW, ignition, amateur/CB, ad jacent channel, etc. Does not attenuate signal. Actually tumes out unwanted signal. Matches any antenna. Metal case finished in blach enamel. Easily installed size $4 \times 23 \times 1 y^{\prime \prime}$. Imported. Shpg, wh., 1 it . 99 R 40172

Net 3.49

## LAFAYETTE HIGH PASS FILTER <br> 

A high pass filter for use at the antenna terminals of a TV set to block interfering signats from radio amateurs. police and taxicab transmitters, paging systems, X-ray machines, passing automobile Ignition nolse. Etc. Altenuation more than 25 ob at $47 \mathrm{MHz}^{\text {. }}$ Only .5 db insertion loss. Imported.
99 R 40214 Shpge wt., 5 oz. ... Net 2.39

## FINCO FIN BAND PASS FILTER



Mobel 3007. Eliminates interference from citizen band amateur operators, electric metors, aircratt, fluorescent lamps and auto ignition. Provides up to 40 db attenuation of all interfering signals outside the FM band. Less than 1 db insertion loss in 88 to 108 MWz band, Recommended to be mounted at FM radio set for maximum effecliveness but may be mounted anywhere in line for less serious applications.
18 R 30165 Shpg. wt. 5 o2. .... Net 4.80


- 27 MHz Citizens Band Interference Filter

Clear Pix by-passes most sources of TV in terference before they have a chance to ear ter your receiver. Picture and sound enter stripped of common types of man-made interlerence. Designed for maximum interference elimination at 27 MMz (citicens band). Reouires fust a screwdriver to install.
18 R 5108 Shpg. wt. 3 oz. .. Net 1.39

## VIDARE COLOR GHOST ELIMINATOR


$3^{99}$

- Reduce Color Fringing
Get true color reception with this color ghost eliminator, Reduces of eliminates multiple images (ehosts) in a picfure. Reduce the effects of intermitting caused by strong signals of radio and TV transmitters in nearby areas. L-pad attenuator keeps constant 300 -ohm impedance. Adjustable for aH channels.
18 R 80020 Shpg. wt., 502. Net 3.99


Model MPSO. Mi-pass wavetrap that eliminates ham, citizens' band, police, fire, marine interference. Low phrase shift ideal for color $\mathbf{W}$ indoor or outdoor mounting. Mo-strip terminals eliminate wire-stripping. splicing or cutting. Low insertion loss 300 ohm impedance. Shpg. wt., 402. $18 R 38200$

Net 3.30

## VHF-UHF SEPARATOR and GHOST ELIMINATOR


$3^{95}$

Separate UHF and VHF signals at set while it helps eliminate ghost and picture tear due to overloading in strong signal areas. Builtin attenuating controt eiminates poor sync. multiple images, buzz, beats in picture, etc. Sfide switch to VHF or UHF depending on channel selected. To help eliminiate vif ghost, throw switch to UHF and vice versa. Connects to bach of set. Shpg wt. 5 oz . 18 R 12387 CAN GET YOU STARTED ON A HIGHPAYING CAREER IN ELECTRONICS...The Science of the Seventies
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# JFD 

 TV-FM SPLITTERS-COUPLERS-COMBINERS(1)



(5)

Maximum Signal Transfer - Crisp, Rich Color-Sharp Black/White-True Fidelity FM - No-Strip Terminals
(2) 2-SET VHF/UHF/FM COUPLER Model SC42 Couples 2 TV or FM sets from one TV or FM antenna. Low insertion loss and high Interset isolation makes this unit tdeat for use on COLOR or BLACK \& WHITE instaltations. No.strip terminals provided for quick connections. 300 -ohms input and output. Supplied with wood screws for in. door use and insta-mount adnesive. When used whit 82 -channel (VHF.UH7 iv set elther Model $\$ 5-21$ or $\$ 5.83$ signal splitter required at your set.
18 R 38135 Shpg. wt. 502. Net 2.40
(2) 3.SET YHF/UNF/TV COUPLER

Model SC-62 Similar to above except couples up to ${ }^{3}$ TV or FM sets from one TV or FM antenna
18R 38143 Shpg. wt., 602 .... Net 2.97
(2) 4-SET YHF/UNF/FM COUPLER

Model Sc72 similar to above except couples up to 4 TV or FM sets from one TV or FM antenna. Shpg. wt., 6 oz. 18 R 38150

Net 3.30
(1 2) 2-ANTENHA COUPLER (VHF/UHF) Model SC20 combines separate VHF and UHF antennas so that only one 300 -ohm downlead is needed. High insulation for crisp clear color. No-strip terminals. Mast mounting hardware supplled.
18 R 38127 Shpg. Wi., 5 oz. Net 2.85
(4) INEOOR VHF/UHF SIENAL/SPLITER

Model $\$ 521$ splits VHF/UHF slgnal from all-channel 300 -ohm single downlead into separate VHF-UHF outputs. For feeding into 82 -channel TV set with separate VHF. UHF antenna input terminals. Migh and low pass filter networks insure shanp, clear plctures Color or black/white. No interaction because UHF and VHF lines are completely isolated from each other. No. Strip terminals, Includes wire lead. Mounts quichly with ins ta-mount adhesive.
18 R 39083 Shpg. wit., 3 oz . Net 2.40

## (4) IWOOOR VWF/UNF/FM SIGNAL SPLITTER

Model SS83 similar to above except splits VHF/UHF/FM signal into separate VHF/UHF and FM utputs. Shpg. wt., $5 \mathbf{0 z}$. 18 R 39991

Net 2.97

## (5) VHF/UHF SPLITER 75.300 OHM MATCHINE TRANSFORMER

Model MT-56 2 -way 75 to 300 ohm matching transformer. Phus spilts VHF/UHF signal from all-channet, single 75 ohm downlead into separate VHF/UHF cutputs. For feeding into 82 -channel TV set with separate VHF-UHF antenna input terminals. With coarial cable fitting.
18 R 39133 Shpg. Wt., 6
(5) VHF/UHF/FW SPLITTER 75.300 OHM

MATCHING TRANSFORMER
Model MT-58 similar to Model MT-56 except splits VHF/UHF/FM signal into VHF/UHF and FM putputs. Shpg. wt., 402. 18 R 39190

Net 4.17 2.WAY VHF/UHF/FM $75.0 H M$ LINE SPLITTER (3) Model SC $42-15$ splits one 75 -0hm VMF/ UHF/FM line into two 75 -ohm outputs. Also comblhes two 75 -ohm lines Into one line. 3 mating plugs supplied.
18R 39109 Shpg. Wt., 5 oz. ... Net 6.50 4.WAY VHF/UMF/FM 75 OHM LINE SPLITTER (3) Model SC72.75 spilts one 75 -0hm VHF/ UHF/FM line inte four 75 -ohm lines. Excellent for use in home or master antenna TV system. May be combined with an (SC42-75) to provide any number of lines. 5 mating plugs supplied.
18 R 39117 Shpg. wt., 8 oz. ... Net 8.70 (1 : 2)TV/FM SPIITTER-COUPLER FM FILTER Model SSTV/FM splits FM signal from TV/FM signal to FM set-and TV signal to TV set. Ideal for stereo-prevents interference. Can Ideal for sterea-prevents interference. Can
also be used as FM bandpass which will admit clean FM signals only through to the FM tuner. Can also combine TV and FM antennas into a single system. Ellminates all TV, amateur and citizens band signal pickup by antenna or transmission line. 300 -0hm impedance. With hardware. 18 R 39125 Shpg. wt., 10 oz . . Nel 3.30

## JFD VHF-UHF-FM COAXIAL CABLE MATCHING TRANSFORMER KIT

- 75-300 Ohm Impedance Mateh
- Includes Outdoor and Indoor Units - Ideal for COLOR TV

Model MT-51 Complete hit of matching transformers for instalting TV \& FM antennas. For use with noise-free $75-$ ohm coax cable. Weather-proof outdoor transformer matches any $300-\mathrm{hm}$ antenna to 75 - hm coaxial cable. Indoor transformer at set matches the 75 .ohm coax to the 300 ohm TV or FM set. Includes coaxial cable filtings. Shpg. $w 1 ., 1 / 2 \mathrm{~B}$.

## 18 R 38895

Net 4.20

## MATCHING TRANSFORMER KIT WITH VHF-UHF-FM SPLITTER

Model MT-55 similar to above except indoor Unit has separate VHF/UHF and FMM outputs. For feeding into 82 -channel TV set with separate VHF-UMF antenna input terminals plus FM set. With fittings. Shpg. wt., $1 / 2$ Ib. 18 R 39141

Net 6.27


## LAFAYETTE INDOOR/OUTDOOR VHF-UHF.FM

 75-300 MATCHING TRANSFORMER- Rugged Weather.Proof Housing with Weather Boot
- Ideal for Color TV

82-channel VHF-UHF matching transformer efficiently matches $300-0 h m$ antenna or TV set to 75 -ohra coaxial cable. Weatherprcof unit has leads which attach directly to either antenna terminals on set. With connector, Shpg. wt., 4 ou. Imported.
99 R 40347 .............................. 1.79

## LAFAYETIE OUTDOOR VHF-FM $300-75$

 OHM MATCHING TRANSFORMER- With Coaxial Fitting
- Ideal for Color


Coarial cable matching transformer for installing VHF-TV and FM antennas. For use with noise-free 75 - hm coax cable. Matches 300 -ohm antenna to $75-\mathrm{hm}$ coax. With mounting bracket and filting. Imported.
99 R 40271 Shpg. wt., 6 oz.

## VIDAIRE SIGNAL ATTENUATOR

## BLONDER-TONGUE INDOOR VHF-UHF CABLEMATCH

- 75-0hm Coax to $300-0 \mathrm{hm}$ Impedance Model 3413 cablematch VHF/UHF indoor matching transformer, especially sulted for matching TV set inputs to a coax distribution system. Match 75 -ohm coaxial cable to $300-$ ohm input. Connectors: Two spade lugs ( 300 ohms) and a soldertess Type F plug supplied. For IVG.59 type cable. Shpg. wt., 402. 18 R 18384

Net 1.65

## COAXIAL SHIELDED CABLE KITS

High quatity 75 -0hm RG. 59 U low loss coaxial cable with connectors on both ends to it alt above matching Transformers. Shpg. wt. $31 / 2$ tos. 18 R $560750^{\circ}$ with connectors Net 4.95 18 R $580835^{\circ}$ with connectors Net 6.95 18 \& 58091100 with connectors Net 8.95


Model CMascoss super-heavy pair of chimney mounts made of cast aluminum alloy. Extra strons and durable. Will withstand the most severe weather conditions. Two 12 ft stainless steel $3 / 4^{*}$ straps and stainless steel seals. Six aluminum corner brackets to protect chimney bricks. The most idea! and permanent installation for those who want quality and durability. Will hold masts up to $2=0.0$
18 R 56012 Shpg. wt. $33 / 4 \mathrm{lbs}$. Net 8.50 Same as above with 18' straps. 18 R 56277

Net 9.50


Model V.SN-ST. Heavy-duty steel riveted brackets with gold colored vinyl protective sheath that will not peel, chip, or crack. All remaining hardware and components of stainless steel for a completely rustproof installation. Eliminates rust streaks. Snapin feature eliminates holding mast while applying hardware. Shpg. wt., $3 y / 4 \mathrm{lbs}$.
18R56368
Net 6.50


RATCHET TYPE CHIMNEY MOUNT 495

Fastens easily with an ordinary wrench. Two 12' heavy-duty stainless steel straps assembled at one end. Two heavy-gauge brackets per set with serrated U-bolts, Easity assembled, Rainbow goid color rustproor finish. Accepts masts up to 11/2" 0.D. Shpg. wt., $3 * / 4$ lDs.

## 18 R 63315

' Z ' TYPE CHIMNEY 295 моUNT
"R-m0UNT" design provides simple installation and sturdy support. Heavy gauge steel construction with gold color rustproof finish. Takes up to $11 / 2^{\prime \prime} 0.0$. masts. With 2-10 ft. stalnless steel $\mathrm{shm}^{\mathrm{m}}$ straps and seals. 18 R 01653 Shpg. wt. $2^{1 / 4}$ lbs.... Net 2.95 Heavy outy 'z' Mount. Similiar to above with 2-12' $3 / \mathbf{A}^{\prime \prime}$ stainiess steel straps. Shpg. wt. $21 / 2 \mathrm{lbs}$.
18 R 02222
Net 3.99

## STAINLESS STEEL STRAP REPLACEMENT KIT



Consists of 2-12 ft. $3 / 4^{\text {" }}$ stain fess steel straps, stainless steel seals, triangular eyebolts, lockwashers, hexnuts. Puts an end to rust and corrosion. Shpg. wt., $11 / 2 \mathrm{lbs}$. 18 R 63091

Net ea 1.99

## TV Antenna Mounts-Towers

heavy-outy $12^{"}$ WALL MOUNT


Completely constructed of steel, using extra heavy gauge steel tubing which will not bind Protected against corrosion by the ALCOTE finish. Special "sure grip" U-bolts. Holds mast up to $11 / 2^{\circ "} 0.0$. tripod leg for one section. (Set of 2.)
18 R 63059 Shpg. wt. $21 / 2 \mathrm{lbs}$. Net 3.29 ADJUSTABLE 18: WALL MOUNT
(Set of 2) Wi., $4 \mathrm{~L} / 4 \mathrm{lbs}$. $18 R 63067$

Net 6.50

## 4" WALL BRACKETS


$4{ }^{2 n}$ STAIMLESS STEEL WALL GRACKET. AI stainless steel construction for extremely long life. Provides $4^{\prime \prime}$ clearance from wall. With special shaped U-bolt to hold masts up to $122^{\prime \prime} 0.0$. (Set of 2. ) Shpg. wt., 1 ib 18 R 01968
4" WALL BRACKET. Securely grips all masts from $1^{\prime \prime}$ to $11 / 2^{\prime \prime} 0.0$. Made of rust resistant steei. With hardware. (Set of 2.)
18 R 01661 Shpg. Wt. $1 / 4 \mathrm{lb}$.
Net 1.09


SNAP-IN VENT PIPE MOUNT $2^{39}$

6" Snap in feature eliminates holding of mast while applying hardware. Single front locking carriage bott for easy one hand tightening. Fits vent plpes up to $6^{\prime \prime}$. Hesvy gauge mount resists corrosion. (Set of 2.)
18 R 63349 Shpr. wt., 1 tb. Net 2.39

peak and flat ROOF MOUNT

A heavy gauge steel roof mount. Heavily plated to resist corrosion. Will accommodate masts up to $11 / 2^{\prime \prime}$ diameter. Fully adjustable, can be easily rotated. Complete with all-necessary hardware. Shpg. wt., 2 lbs. 18 R 63083

Net 1.99


ALL-ANGLE MOUNT

- Accepts $1 / 2^{\prime \prime}$ to $11 / 4$ Masts
All-angle mount permits setting of $1 / 2^{\circ}$ to $11 / 6^{\prime}$ masts at most sultable angle for maximum reception. Rust-resistant steel. With mounting hardware. Ship. wt., 10 oz .
18 R 01992
Net .89


Model V-SN-6 Gold, vinyl coated antenna mounts are ruggedy constructed of heavyduty steel riveted steel. Vinyl coating prevents corrosion and eliminates rust streaks will not peel, chip, or crack in bad weather or when exposed to direct sum. Brackets come two to a set. Stainless steel screws supplied. Shps. wt., 3 lbs.
18 R 56350
Net 2.95


Model TE-1 Permits mounting antenna to the underside of over-hanging eave. Can also be used as a sturdy self-supporting flat roof mount. Heavy gauge steel and Hot-Dip galvanized for maximum corrosion resist. ance. One piece mounting of welded construction with a heavy gauge embossed steel diagonal support. Comolete with installation diagonal support. Compiete wis.

A MOUNTS
 - No Guy Wires Needed - One Man Instaliation - Roof Sealing Patches - Completely Adjustable to Roof Rafters

## Net 5.49

## 18 R 56058

 dipped galvanized steel.

Heavy-duty self-supporting tripod tower ellminates guying. Constructed of heayy ( $11 / 4^{*}$ - 0.0. ) components embossed for extra strength and rigidity. Designed for convenient mounting on all peal or that rooftops. Exclusive adjustable slide permits mounting to randomily spaced rool rafters Hot-dipped galvanized to provide utmos protection against corrosion or nust Roof sealing watertight pitch patches supplied. Recommended for color TV installation where heavy mult-etement antennas are used. Complete with pltch patches and hardware Model MOT. 3 for $6^{\circ}$ tower. Use with $5^{\circ}$ mast. Shpg. $w t_{e,} 81 / 4 \mathrm{lbs}$
18 R 56285 W
Net 6.95
Model MDT-5 for 12' tower. Use with $10^{\circ}$ mast. Shpg. Wt., $13 \frac{1}{4}$ los.

## Net <br> UNIVERSAL ALL-POSITION MOUNT

A strong self-supporting mount which adjusts to any position on peak, slope, flat, corner; or sidewall of building. Positive locking braces eliminate need for guy wires in most installations. Two plane adjust-ment-for true vertical allgnment of mast. Made of heavy gauge hot

Model-APM Standard model for masts up to $11 / 2^{\circ \prime} 0.0$.
18 R 56319 Shpg. wt., $51 / 2$ lbs.
Net 4.50
Mode! APM-LM Large model for masts up to $21 / 2^{\prime \prime}$ O.D.
18 R 56327 Shpg. wt., $51 / 2$ lbs.
Net 5.50

# TV Antenna－Towers－Masts－Accessories ROHN：SPAUDIMG＂STRATO TOWERS＂ ＂EP SERIES＂INSTALL ON GROUND OR ROOF <br> <br> TELESCOPING TV <br> <br> TELESCOPING TV MASTS 


＂xcB＂ TOWERS

High quality beaded channel construction．All riveted，no welds to rust．Rugged，zinc plated steel．More strength－ less wind resistance at tower top．Top sections accept any rotator．All sections factory assembled．Each tower con－ sists of one or more $8^{\prime}$ sections plus an $8^{\prime}$ mast，base plate，house bracket and mast kit assembly．Free standing installations pequire guying every $16^{\circ}$ Roof mount，and guy stations are extra

| Stock No． | Type | －Hit． | Sect． | Weitht | Het |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 R 73025×2 | EP－2 | 22＇ | 2 | 51 los ． | 37.95 |
| 18 月 $73033 \times 2$ | EP－3 | $30^{\circ}$ | 3 | 71 lbs． | 46.95 |
| 18 R $73041 \times 2$ | EP－4 | $38^{\prime}$ | 4 | 90 lbs． | 55.95 |
| 18 R $73058 \times 2$ | EP． 5 | $46^{\prime}$ | 5 | 109 lbs． | 65.95 |
| 18 R 73074 $\times 2$ | EPR－1 | Roof | t Base | 2 lbs． | 4.95 |
| 18日73082） | GS． 12 | Guy S |  | $31 / 2$ libs． | 4.19 |

## ＂XCB SERIES＂－CYLINDER BASE

NO CONCAETE REQUIRED
Extrome high strength，self－supporting towers．Self－atign－ ing hinge base for quick easy installation．Can be assembled on the ground and hinged up or built vertically，section upon section．All riveted $100 \%$ galvanized steel con－ struction pravents rust．With 4 ft ．base，hinged feet． 8 mast，mast ${ }^{\text {bit }} 8^{\prime}$ tower sections．

## ALUMINUM ANTENNI MASTS

## －Gold Alodized



Gold alodized aluminum mast；rust and cor rosion proof．Made of extra strong，drawn aluminum alloy．Two or more masts may be telescoped together． 19 Gauge．11／4＂O．D． 18 R $38176 \mathrm{~W}^{5}$ ，Wt．， $11 / \mathrm{g}$ bs．Net 1.49 18 R 56145 wX i0＇，Wt．， 2 lbs．Net 2.79

## heavy duty aluminum mast

Heavy－Duly 16 Gauge gold alodized aluminum mast，recommended for larget color anten－ nas．Shpg．Wt． 3 lbs．

## 18 R 39257 Wx 10 feet ．．．．．．．．．．．．．Net 3.49

## SUPER HEAVY．DUTY ALUUINUM MAST

Made of high strength aluminum alloy．Re－ commended for use with rotors and large antenna installations．Length 10 ft ． $11 / \mathrm{m}^{\prime \prime}$ O．D．Wall thickness full $1 / \mathrm{R}^{\circ}$ ．
Shipg．wt．， $51 / 4 \mathrm{lbs}$ ．
18 R 56202 Wx
Net 6.95
18 R $56269 W X 10^{\prime}, 11 / 2^{\prime \prime}$ O．D．Net 7.95 GOLD KOTE STEEL MAST

## －Gold Colored to Match Most

 AntennasCorrosion resistant steel mast sections made to fit all antennas．Made of rigid steel tub－ Ing with rugged high tensile strength．Highly protective gold colored baked enamel finlsh for lasting beauty and endurance．＂Jam Fit＂ construction． $11 / 4^{\prime \prime} 0 . D$ ．

| Steck Ma．Het． | Eame | We | Wet |
| :---: | :---: | :---: | :---: |
| 18R6325才W 5＇ | 20 | 2 | 1.19 |
| 18 R 63255WX 10 | 20 | 4 | 1.99 |
| 18 R 63273W 5＊ | 16 | 4 | 1.89 |
| 18 R $63281 w \times 10^{\circ}$ | 16 | 4 | 3.19 |

## IMSULATEO NAILS

Single head wiring nalls excellent for fastening 300 ohm twin lead antenna wire to woodwork，base board，etc．Deses not affect signal． tildx＇s＂Drown．Shpg．wt．， 4 or 18 R 02032 Box of 50 ．Nel 1.69

Aeavy duty telescoping masts． Ideal for any TV antenna array． Hotdip zinc galvanizing inside and outside provides unusual ryzged－ ness and impenetrable corrosion resistance．Designed for easy in． stallation and assembly．Musky bolts loch sections automatically． No sllpping，so twisting．Precision fitting assures lasting service， 18 and 20 gauge walls．Supplied com－ plete with all guy rings，clamps and necessary hardware，Total 5 $10-\mathrm{ft}$ ．sections for height up to

 smipped express enty．
50－FT．MAST－Consists of all 5 sectfons listed above：Nos．L 2．3． 4 and 5．Height 50 feet．Shpz．wt．， $351 / 2$ ibs．
It R 56095 V K
Net 19.95 40－7T．MAST－Consists of 4 sections，Nos． 1. 2， 3 and 4．Height 40 feet．Shpg．wt．， $261 / 2$ libs．
18 R $56103 W \mathrm{~K}$
Net 15.95
30－FT．MAST－Consists of 3 sections．Nas． 1. 2 and 3．Helght 30 feet．Shpg．wt．，181／2 ibs． 18R56111Wx

Net 11.95 20－FT．Mast－Consists of 2 sections：Nos． 1 and 2．Height 20 feet．Shpg．wt．， 13 lbs． If R 56129 wx

Net 7.95

## HEAVY DUTY PEAK AND FLAT ROOF MOUNT

Swivel base mounts on any surface－flat，slant，peak or wall．Heavy gauge weath－ er－proofed steel．Takes any mast up to $21 / 3^{\circ}$ O．D．Com． plete with hardware．Wt． 3 lbs．
10R 56186
Net 1.95


## Sueran <br> HEAVY DUTY $5^{\prime \prime}$ WALL BRACKET MAST MOUNT

－Ideal For Heavy Ground－up Mast Installations

Model GU－5．Made of heavy steel bar stock Fits large masts up to $336^{\prime \prime} 0.0$ ．Mast holder swivels $360^{\circ}$ permitting bracket to be mount． ed in any position．Ideal for heavy ground－up mast installatuns．Shpg．wt．， $12 / 2$ lbs．
18 R 56376
Net 2.49
$3 / 8^{*}$ PLATED GROUND ROD


For use where pipe ground is not avaliable． Heavy＇steel yoke for head． 4 ft ． 18 R 72159 W Shpg ．wt．， $11 / 2$ los．

TV SERVICE LITE

Keep your hands free．Spring clamp with rupber covered ends attaches anywhere in TV cabinet． $4 y / 4^{" 1}$ highly por－ ished aluminum reflector uses standard 25 watt bulb． Complete with s ft ．cord and plug．less bulb
18 R 17014 Shpg．wt．， $3 / 4$ los．Net 2.19

## TV Installation Accessories


(1) "GRIP" GROUND CLAMP. Makes vise like grip on pipe. Sharp pointed screw makes perfect contact. Shpg. wt., 3 oz .
18 R 82018
Net 29
(2) GUY WIRE RING E COLLAR. Economy freefloatipg guy ring and support collar. Mast can be rotated freely after guying to orient antenna, fits masts up to $114^{\prime \prime} 0 . D$.

## 18 R 63356

Net .79
(3) DELUXE GUY WIRE RING \& COLLAR, Cast aluminum floating guy wire ring and collar permits complete orientation of the mast. Will fit masts up to $13 / \mathrm{m}^{\mathrm{m}}$. Shpg. wt., 7 oz . 18 R 81051

Net 1.99
Same as above but will take masts up to $13 / 4$
18 R 56079
Net 2.09
(4) LAG SCREWS EXPANSION SHIELOS. Lead expansion shleld for easy fastening to masonry, brick stone, etc. Lag bolt $1 / /^{\prime \prime}$ dia. shank by $11 / 2^{\text {n }}$ long. Pkg. of 4 bolts and shields. Shpg. wt., 402.
18R63346
Net .89
(5) Mast cur CLaMP. Has 6 guying points. A handy thing to keep in the tool kit. Will accommodate masts up to one and one-half inches in dia. Shpr, wt., 9 oz .
18 R 63216
UNIVERSAL STANDOFF INSULATORS

(6) 3-waY GuY WIRE CLAMP. Fits masts up to $21 / a^{\prime \prime}$ diameter. Features 3 eye bolts for guy wire attachment. Made of heavy gauge steel. Shpr. wt. 10 oz.
18 R 63208
Net .59
(7) BALL-TYPE GUY WIRE TIGHTENER. SIMDIY draw guy wire through the "grlp-tite": 1000 wire back, and twist once. Provides easy method for adjusting and tightening guy wire. Cast zinc housing. Shpg. wt., 6 oz. 18 R 01935

Net 1.09 (8) CLOSED EVE BOLT. For ancharing ruy wires. Size: $1 / 4 \times 5^{\prime \prime}$. Shpr, wt.. 5 oz . 18 R 63224

Net 12
(9) CABLE CLAMP. Strong aluminum alloy body construction with plated steel U-bolt. Fits cables up to Ku" dia. Provides solderless and spliceless cable-loop termination. Shpg. wt., 3 oz. pkg. of 2.
18 R 67126
Net per pkg. . 45 (10) MAST CLAMP. Notched refaining clamp holds 2 masts firmly in sturdy U-bolts. Galvanized steel. Wt. 502.
18 R 01950
Net .39
(11) U BOLTS. Made of galvanized steel. Supplled with nuts and washers in place. Shpg. wt., 50 oz .
18 R 020242 pieces per pkg. ... Pkg. . 35 (12) QUICK CLIP. For speedy, simple attachment of antenna lead-in to TV set. Can't short out. Shpg. wt. 4 oz.

Ea. 45
(13) GUY WIRE HOOX EYE. Strang and Dermanent anchoring. Made of galvanized steel. Av. shpe. wt., 6 oz.
18 R 020165 pieces per pkg. ... Pkg. . 49

protection Iit

- Complete! Nothing Else To Buy $3^{95}$

Model GNO-ANT. Do-lt-yourself kit to minimize lightning strikes to your antenna Directs and discharges excess to rround Kit contains: 50 ft heavy-duty electrical conductor type. aluminum rround wire, cop-pered-steel kround rod and clamp. U.L. Histed lightning arrestor, 6 around wire nail lasten. ers, ground wire warning tag and complete detalled instruction sheet.
18 R 56194 Shpr. wt. $27 / 4$ lbs........ Net 3.95

## JFD LIGHTNING ARRESTERS



- Protects Home and Antenna Installa tion Against Damage From Lightning and Static Discharge
- With Stainless Steel Strap and Hardware For Mounting Indoors or Outfoors, UL Listed
(A) ECONOMY VHF/UHF ARRESTER

Model Allisis. Designed for flat, tubular, oval twin lead or open transmission lines. Saw tooth washers grip line securely without stripping or cutting of wire. Low loss material construction reduces capacity and inductance, resutts in maximum IV signal transfer to set. Complete with strap and hardware listed at top.
18 R 38010 Shpg. wt., 6 oz. ...... Net 99
(B) LITTLE GIANT VHF/UNF GRRESTER Model AT105S. Fits any flat, tubular, or oval twin lead or open transmission line. Saw tooth washers make positive contact with line-no wire stripping or cutting necessary. High dielectric construction maintains excellent signal transmission to set. Complete with strap and hardware listed at top.
18 R 39307 Shpg. wt., 9 oz. ..... Net 8.89
(C) DELUXE VHF/UHF ARRESTER

Model ATtios. Takes any flat. tubular, or oval twin lead or open transmission line. Saw tooth washers make positive contact with line-eliminating need for wire cutting or stripping. Low loss high dlelectric construction maintains high signat transfer Complete with strap and hardware listed at top.
18 R 38051 Shpg. wt., 5 oz. ...... Net 2.49

## (D) 4-WIRE ROTATOR ARRESTER

Model AT104S. For 4 -wire rotator lead-ins. No wire stripping or cutting. Simply tighten cover that makes automatic and positive contact with lines. Shpg. wt., $1 / 2 \mathrm{lb}$.
18 R 38069
Net 2.39

## (E) 5-WIRE ROTATOR ARRESTER

Model AT106S. Protects 5 -wire automatic rotator anternal installations. No wire cutting or stripoing necessary. Just place wire in slot and tighten cover over it for quick, sure electrical contact. Complete with strap and hardware listed at top.
18 R 38911 Shpg. wt., $1 / 2 \mathrm{lb} . .$. . Net 3.29

# TV-FM Installation Accessories 

## UNIVERSAL TV-FM PLUG \& SOCKET

## $39^{\circ}$

O) 0 ohm piug Compact low loss- 300 ohm Diug
and socket. Surface mounting and socket. Surface mounting
socket - low loss polystyrene socket - low loss polystyrene
plug. Solderless screw terminals. Imported. Shpg. wt., 3 oz.
99 R 40065 Plug \& Socket Lots of 3

## $t$

## SURFACE OUTLET AND PLUG



- Complete With Solderless Plug

Surface mounting outlet and plug for TV-FM and loudspeakers. A neat baseboard mounted outiet with plug. Fits 300 -olm twin lead or speaker wire. Nickel plated brass hardware with set screw connectors. Unbreakable ivory plastic, with mounting screws. Shpg. w1., 3 oz
18R57259............................................ 79

## SOLDERLESS TWINLEAD CONNECTORS

Plug fits transmission line socket below. Shipg. wt., 207.
99 R 40073
Solderless socket for above.
Shpg. wt., 2 oz.
99 R 40081 ........ Net ea. . 29

## MOSLEY SHIELDED TWIN-LEAD SPLICER

- Permits Splicing of Shielded 300.0 hm Twin-Lead
No need for twisting or soldering. 18 R 42061 Shpg. wt. 3 oz.


## TWIN LEAD SPLICE

Speeds splicing without need for twlsting or soldering. Shpg. wt., 2 oz. 18 R 70096 Met 20

## FID TV LINE CORD



6 ft ., brown replacement cord. It has regular molded plug on one end and special rubber plug on the other to fit TV sets. UL Histed. Shpe. wt. 40 oz .
IBR41014.
Same 25 Net . 39
dath polarized terminats at both ends.
18 R 74015 Shpg. wt., $3 \mathrm{cz} . . .$. . Net .49

## INTERLOCK TV LINE SOCKET

[^16]
(1)

(3)

## LAFAYETTE TV/FM WALL PLATES

- 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 cus om install an antenma system. Plug is polarized and designed to accept 300 -ohm twin lead line. Ivory finish. 99 日 40131 Shpg. wt., 4 02. .... Net .09

## DUPLEX TV/FM WALL PLATE

(2) A dual TV/FM wall plate designed to supply two slgnal sources. Can be used for two dif. terent TV antennas each oriented in a different direction or TV and FM antenna. Plugs are slotted for 300 -ohm twin lead. Ivory finish. 99 R 40149 Shpg. wt. 4 oz .... Net 1.09

TVFM ROTOR WALL PLATE
(3) Wall plate has 5 -wire outlet for 4 or 5 conductor rotar leads and 2 twin-lead outlets. Flexible design allows easy instaliation. includes 1 plugfor TV twin lead and 1 plug for rotor cable. Ivory finish. WL. 5 oz. 99 R 40305

Net 1.39

## SURFACE MOUNTING WALL BOX

## - Accepts Standard

 TV/FM Wall PlatesSturdy plastic housing for surface mountung with any standard $300-\mathrm{hm}$ or 75 . ohm wall receptacle. Knoct outs on all pur sides Knock outs on alt four sldes for ease of installation. No speclal tools required. Ivory color. Supplied with instructions and mounting hardware. Imported. Shpg wt., 602. 99 R 40024

Net . 49

## BAKELITE <br> WALL BOX

Necessary for terminat
ing TV lines in old or new wart. Knochouts top and bottom. Sturdy cen-
struction witt steel ears. Black standard size: U.L. Listed. Shpg. wt. 4 ors.
18 R 70013
Net .8
Weatherproof entrance accessory for all types of antenna and rotor lead-in line. Mounts on any sloped roof of on the wall of any non-brick structure with harsware included. Insect-proof housing molded of black cycolac for break-resistant strength. Easy to install with buitt on flange afd rubber gasket. No roof cement needed. Shpg. wt. Rasket
5 oz.
18 R42079
Net 1.19

## UNIVERSAL F BUSHING 2 mim

Fits all types of coaxial or twin-lead wires. Fits walls up to $11^{\prime \prime}$ thick. Requires $3 / 4^{*}$ hole. Shpg. wt. 4 oz
18 ค 72019
Net ea. 1.19

## "OPEN-HOLE" <br> WALL BRACKET



Pormits attechigg any wall plate to wall openings without the use of a wall box in up to $3 / 4^{-}$wall board or plaster. Shpe. wt. 4 aes. 18 R 70021

## ANTENNA CONNECTOR

For guich solderless connection of lead-in to TV antenna terminal. Fits 99-40081 sock et. Low-loss polystyrene and non-ferrous metal. Standard 1/2" sparing. Shpr. wt., 3 oz. 18 日 42012
.35


Solderless socket for above. 99 R 40081.

## Picture Tube Brighteners - Service Aids

## COLOR PICTURE TUBE BRIGHTENER

- Boost Fading Color Picture Tubes
- No Wiring Necessary-Plugs Right In

Bring out the tost sharpness and detall of fading color picture tubes. Electron emission is increased by boosting the filament voltage, thereby returning full contrast and color quality to the set. Plugs in between picture tube and socket. No wiring or switching is necessary. For round tubes (12 pin base)
18 R 46070 Shpg. wt., 1 tb. Net 4.95 For reclangular tuoes ( 12 pin base).
18 R 46088 Shpg. wt., 1 tb. .... Net 5.50


## UNIVERSAL TV TUBE "BRITENER"

Restores brightness to dim TV picture tubes. Operates on all types-magnetic or electro static-and in ali circults-parallel or ser ies. For Duodecal Base, Shpg. wt., $8 \mathbf{0 z}$. 18R 46005 FIG. (A)

UNIVERSAL $110^{\circ}$ CRT "BRITENER"
A single heavy duty unit which performs four a single heavy duty unit which performs four ways. A simple adjustment adapts it for it can be used on electromagnetic or electrostatic foc us tubes. Shpg. Wt., 8 oz . For Sylvania Type $110^{\circ}$ Tubes. 18 R 46013 FIG. (C)

Net 1.99 For RCA Type $110^{\circ}$ Tubes. 18 R 46021 FIG. (B)

Net 1.99

## (10) <br> TUBE GUARD <br> - Stop Voltage Surge <br> TV-Radio and Hi-Fi Tubes

The "Tube Guard" will pay for itself many times over by greatly reducing costly vacuum tube replacements. The Tube Guard checks surge of current, reduces filament damages and increases tube life. Just plug "Tube Guard" into outiet. and appliance into it. 600 watts. UL. listed. Shpg. wt., 402. 18 R 31106

Net 1.99
18 R 27211 .............................. 11.95

\section*{| AUTOMATIC TV |
| :--- |
| $\begin{array}{l}\text { VOLTAGE } \\ \text { REGULATOR } \\ \text { AS LOW AS }\end{array}$ |}

## HORIZONTAL BAR GENERATOR

Provides Horizental Lines On Any T.V. Set
Quich-Accurate Alignment
Simplliles precise setting of yoke. Makes possible accurate positioning of focus coil or magnet. Quick adjustment of vertical linearity, height and centering. Plugs onto picture tube. Shipg. wt., 4 oz .
18 R 27013
Net 1.95


Kit includes 1 each of the following values4.7, 5.6, 7.5, 9.0 and 22 OHMS. Shpe. wt., $1 / 4 \mathrm{lb}$.
18 R 79048
Net . 0


Stock No. Color
18 a 31130 Red 18 a 31197 White 18 R $3114 \mathrm{H}^{\text {Dk Green }} 18$ R 312051 Green

18 R 31163 Pink 18 R 3122 Yellow
18 R 31171 Black 18 R 31239 Maroon
18 R 31189 Turquolse 18 R 31247 Brown

## TV Accessories • Service Aids

## LAFAYETTE COLOR TV TUNER CLEANER - LUBRICANT

- For Color and Black and White - With Spray-Aid Needle

Non-flammable, non-foxic, easy to use. Can be applied without removing chassis from the cabinet. Will not harm plastics or electrical insulation or detune the tuner. Excellent for both color and black and white sets. 6 oz . spray can.

Net 99
18 R 01984 Shpg wt, 11 oz.
16 oz . economy size spray can with spray-aid needle. Shpg. wt., $13 / 4$ lbs.
18 R 02156
Net 1.99

## सरादाजा

## TUNER CLEANER-LUBRICANT

- With Injector Needle
- For Color-Black and White super 100. Fast drying, will not hasm plastics or elec trical insulation. Non-toxic, non-flammage. Can be sprayed on without removing chassis from cabinet. Contalins "anti-static" agent. WIII not cause drift or detune tuners.
3 oz. spray can. With plastic injector needle.
18 R 34043 Shpg. Wh. 8 oz ............ Net . 99
6 oz. spray can. With steel injector needle.
18 R 34050 Shpg. wt., 12 oz .
Net 2.10
16 oz . spray can with steel injector needle.
18 R 34068 Shpg. wi., $13 / 4$ bs.
Net 2.99


## VOLUME CONTROL

## No CONTACT CLEANER

- Cleans and Lubricates
- Will Not Harm Plastics

For color and black and white TV. radios, volume controls, band switches. puishbution assemblies, relays, and electrical contacts. Restores, lubricates, protects, and cleans. Non-toxic and non-flammabie. Prevents gumming. Does not change capacities. $6 \mathbf{0 z}$. spray can with 5" extender (needle). Wt., 1102. 18 R 43010


LAFAYETTE $7^{\prime \prime}$ COLOR TV PURIFIER

## - For Sharp and Clear Color Reception

Sharpens color reception through de. magnetization of the picture fube. Simply turn or the set, plug in the puafifiar, and with switch depressed rotate unit in front of the TV screen. Use regularly to weep your color reception sharp and clear. Convenient clip for hanging on back of $s=t$ when not in use. Imported shpg. wt., 1 lb.
99 R 40248 Wr., $3 / 4 \mathrm{lb}$. -. Net 2.95

## WALSCO $7^{\prime \prime}$ COLOR TV PURIFIER

## - Portable Tube Kaddy Size

- For In-The-Home Servicing
- Color TV Degaussing Coil

Improve the quality of color TV with this portable 7- DEGAUSSER. Easily demagnetizes tube shied and accessories to eliminate stray colors and purffy the picture. Momentry push button swifch simplifies operation. You don't meed to be a technician to use this little marvel. U.L listed. For $110-120$ VAC 60 Hz . Shpg. wt., $3 / 4 \mathrm{lb}$.
18 R 84022
Net 6.25

## PROFESSIONAL COLOR TV PURIFIER

 For Color TV Receivers 1995- Large 13" Diameter Coil

Well sulted for the serviceman or set owner. Heavy-duty degaussing coll demagnetizes and removes stray magnetic fux from color IV chassis and picture tube to achieve color purity. Contalns momentary switch to de-energize coil without pulling plug. With 9 ft . cord. For $110-120 \mathrm{VAC}, 60 \mathrm{Mz}$. 18 R $84055 \mathrm{~Wh}, 41 / 2$ lbs....... Net 19.95

## BAKELITE KNIFE SWITCH

As Low As


Excellent for TV antenna switching. Heavy metal parts mounted on balkelife base. Double pole, double throw, Shpg. wt., 4 oz. 99 R 61533

In lots of 10 ea.

$$
\text { Net } .25
$$

## ( emorandt <br> TV GHOST ELIMINATOR

 sorted TV knobs including such types as channel selector, fine tuning. volume, efc. Useful and attractive. Many with gold lettering or gold inserts. Shpg. wt., 1 ib 32 R 99021 i...... Net 1.99

## STANDARD KOLLSMAN "ARBOR" PRESET TUNERS

- Replacements for over 1500 Different Models


Latest advances in tuner design result in maximum performance with outstanding frequency stability and precise tuning. With 13 position detents. If Video: 45.75 MHz . If Sound: 41.25 MHz . 8 +: 125-145 VDC. Antenna input: 3002 balanced to ground. With mounting brackets. Shpg. wt., 3 lbs.

| Stock Mo. | Model Ho. | Heater | Net |
| :--- | :--- | :--- | ---: |
| $18 R 20109$ | SBR-250 | 6.3 V | 16.95 |
| $18 R 20117$ | SBRS-252 | 600 ma | 16.95 |
| $18 R 20125$ | SBR4S-251 | 450 ma | 16.95 |



## DYMO $1 / 4^{\prime \prime}$ and $3 / 8^{\prime \prime}$ SLIMLINE

TAPEWRITER KIT


Model 1450.01. The Dymo SLIMLINE, compact, only $11 /{ }^{*}$ "thick, $21 / 2$ " wide, and $84 / 4^{\circ "}$ long, lies flat, stores conveniently almost anywhere. Embosses new easier-to-read "Designer" extended letters in both $1 / 4^{*}$ and $3 / 8^{\prime \prime}$ vinyl tape. Features automatic pull-tab tape cut off. Set includes SLIMLINE embossing tool with 2 different size horizontal letter and one vertical letter embossing wheels. PLUS one roli $3 / 8^{\prime \prime}$ and one roll $1 / 4^{\prime \prime}$ tape. PLUS molded carryling case. Shpg. wt., 2 lbs.
14 R 41542
Net 18.95

## 1/4" OR 3/8" <br> LABELMAKERS

- Handy Tape Cut-Off

Home labetmaker embosses raised characters on vinyl tape. Just dial the letters, numbers, or symbols and squeeze the handle. Has pull tab cut-off and rugged plastic body. Size: $61 / 2 \mathrm{~L} \times 6^{\prime \prime} \mathrm{H}$, Choice of model with $1 / 4^{\prime \prime}$ or $3 / 8^{\prime \prime}$ wheel. Wt., 2 lbs. 14 R $415343 / 8^{\text {m }}$ Model Net 2.75 14 R $410131 / 4^{\prime \prime}$ Model Net 2.75 3/8" Labelmaker complete with 3-12' rolls of vinyl tape. Shpg. wt., $3 / 4 \mathrm{ib}$. 14 R 41583


## DYMO 1/2" AND 3/8" TAPEWRITER KIT



- 2 Horizontal and 1 Vertical Letter Embossing Wheels
$22^{95}$
Model 1570-01 Exclusive "Touch Actlon" heips you make permanent, self-sticking Dymo labels, without effort. Great for organizing the office, store, stockroom, or workshop. Embosses easier-to-fead "Designer" extended letters in both $1 / 2^{\prime \prime}$ and $3 / 8$ " vinyl tape. Set includes rugged chrome plated zinc embossing tool, $912^{\prime \prime}$ long. PLUS 2 different size horizontal letter and one vertical letter embossing wheels. PLuS one roll $1 / 2^{\prime \prime}$ tape and one magazine $3 / 8^{\prime \prime}$ tape. Shpg. wt. $13 / 4$ lbs.
14 R 41609
Net 22.95


## DYMO 1/4" AND 3/8" LABELMAKER



- Space Letters in Narrow or Wide Widths
- Convenient Tape Cut-Off Lever

Handy. labelmaker for home, school or office, Embosses both $3 / 8^{\prime \prime}$ and $1 / 4^{\prime \prime}$ self-adhesive vinyl tape to make permanent, waterproof ratsed labels. Lightweight Cycolace tool, only $71_{2}{ }^{\circ} \times 3^{\prime \prime}$, has wide or narrow letter spaclag, and a convenient tape cut-off lever. Comes with interchangable horizontal and vertical tetter wheels PLUS $12^{\prime}$ magazine of $3 / 8^{\prime \prime}$ tape. Shpg. wt., $51 / 202$.
14 R 41492

Net 4.50

## 1/4 INCH

Each contains $144^{\prime \prime}$ of $1 / 4^{\prime \prime}$ glossy vinyl tape with adhesive backing. Shpg. wt., $1 / 4 \mathrm{ib}$, Net ea. . 79

| Stock No. |  |
| :--- | :--- |
| 14 R 41021 Btue | Lots of 6.69 ea. |
| 14 R 41039 Green | 14 R 41070 Brown |
| 14 R 41047 Red | 14 R 41302 Orange |
| 14 R 41054 Ctear | 14 R 41310 Yellow |
| 14 R 41518 Wal. | 14 R 41328 Gold |

## DYMO EMBOSSING TAPES

## $3 / 8$ INCH

Contains $144^{\prime \prime}$ of $3 / 8^{\text {- }}$ dirt/molsture resis tant vinyl tape with adhesive backing. Shpg. wt., $1 / 4 \mathrm{lb}$

Net ea. 99
$\qquad$
14R41112.Brown 14 R 41153 Blue 14 R 41120 Black 14 R 41161 Green 14 R 41138 Red 14R41146 Clear 14 R 41526 Wal.

14 R 41278 Orange 14 R 41286 Yellow 14 R 41294 Gold

## 1/2 INCH

Contains $144^{\prime \prime}$ of $1 / 2^{\prime \prime}$ glossy vinyl tape with adhesive backing. Shpg. wt., $1 / 4 \mathrm{lb}$.

| Stock No. | Net ea. 1.39 Lots of 61.19 |
| :---: | :---: |
| 14 R 41187 Black | 14 R41229 Green |
| 14 R 41195 Yellow | 14 R 41237 Brown |
| 14 R 41203 Red | 14 R 41245 Gold |
| 14 R 41211 Blue | 14 R 41252 Clear |

(D)
(A) $131 / 4^{\prime \prime}$ VECTORLOG ${ }^{3}$ SLIDE RULE

## For Communications Engineers and Physicists

- Laminated Bamboo Comstruction - P, P, and Q Scales - For Direct Vector Addition Hyperbolic Sine and Tangent Scales. Two Sine Scales-One Marked in Degrees. One Marked in Radians. - 5 Log Log Scales Plus a Voltage DB Scale - Complete with Belt Car. rying Loop and Leather Case - With $10^{\prime \prime}$ Scale
The Lafayette VECTORLOG Slide Rule provides a new concept in scientific calculation, incerporating scales and arrangement designed for quick-easy-manipulation. Iwenty-seven (27) scales incorporate the many problems encountered in Electrical Englimeering and Physics. The unique $P, P$, and $Q$ scales allow direct right angle vector addition. No longer are several settings required to obtain right angle vector sums-these scales work in the same manner as the 6 and $D$ for multiplication. The two Hyperbolic sine and one Hyperbolite Tangent Scale, the voltage do scale, and the five $\log \log$ scales, provide maximum coveracie of these dynamic fields. VECTORLOG is the result of extensive lests for ease of manipulation. Several of these features are: $C$ and $D$ scales on both the front and back of the rule; Sine scales in both degrees and radians, removing the necessity of bothersome conversion of units: a problem-fested tocation of scales; and adjustable screws to allow varlable tension on the slide. Scales include: (fRONT) TT-1, TR-2, P, P, Q, ST, S-1, S.O, C, D, LL01, LLO2, LLO3, LII': (REAR) Sh-1, Sh-2, DF, A, B, CI, CF, Th, C, D. LL3, LL2, db. With instruction book, leather carrying case, and belt carry ing loop. Imported. Shpg. wt., iv/a los.
99 R 71029
Net 17.95


## (B) $133 / 4 /^{\prime \prime}$ DELUXE LOG LOG DUPLI DECIMAL TRIGONOMETRIC SLIDE RULE

- With $11^{\prime \prime}$ Scale - 25 Scales with B Log Log Scales
- Extended Range Avoids "Going Off Scale"
- Extra P Scale Simpllfes Computations - iwo Color Scales

A log log dupil decimal trigonometric slide rule contains 25 scales including 8 Log Log Scales. Troublesome end-for-end resetting is eliminated by extensions of C and D scales. Twin set of Log Log scales fun from 1.001 to 100,000 and .999 to .00001 , enlarging the scale by one scale length each compared with ordinary log slide scale by one scale length each compared with ordinary $\log$ slide
rules. Extra features include $P$ scale which enables direct "readout" of cosine value. Scales Include LLO1, $\mathrm{LLO2}$ LL03, OF, CF, CIF, CI, C, $L L 3, L L 2, L L 1, L 00, L, K, A, B, S, S T, T, C, D, D 1, P$, and LLO. With instruction books, saddle leather case. Imported. Snpg. wt., $11 / 4 \mathrm{lbs}$. 99 R 70559

Net 16.95
(C) DECIMALOG ${ }^{T M} 6 \frac{1 / 22^{\prime \prime}}{}$ LOG LOG DUPLI DECIMAL TRIGONOMETRIC SLIDE RULE

- P Scale (Pythagorean) permits direct "readout" of Cosine Values 24 Scales including 8 Log Log Scales With $5^{\prime \prime}$ Scale. A pocket version of our $133 / 4$ " $\log \log$ Dupll Decimal Trigonometric slide rule. Contains all the scales of the 1374 " rule except the "ST" scale. Iwo color scales-positioned for each in use and rapid cab culations. " C " and " D " scales on both sides of the rule, "P" scale for direct, cursor line reading of cosines of angles. Scales- front face: LIL, LL2, LL3, DF, CF CIF, CI, C, D, LL3, LL2, LL1. Back face: LLO, L, K, A, B, S, T, C, D, DI, LLO. Engine divided rule of laminated, non-hygroscopic bamboo. Complete with instruction book and leather case with pocket clip. Imported. Shipg. wt., $80 z$.


## 99 R 70997

Net 8.95
(D) $121 / 2^{\prime \prime}$ LOGLOG DUPLI TRIG SLIDE RULE - With $10^{\prime \prime}$ Scale
specially selected, laminated, non-nygroscopic bamboo. Scales machine engraved on white plastic in permanently accurate calibrations. Adjusting screws permit varying tension on slide. 21 scales including C, D and CI on both sides. 40 and LLOO scales refer to B scale. All other scales coordinate and refer to D scale. Scales are L, LLI, DF, CF, $\mathrm{CIF}, \mathrm{Cl}, \mathrm{C}, \mathrm{D}, \mathrm{L} 3, \mathrm{LL}, \mathrm{LO}, ~ \amalg 00, \mathrm{~A}, \mathrm{~B}, \mathrm{~K}, \mathrm{Cl}, \mathrm{C}, \mathrm{D}, \mathrm{S}, \mathrm{St}$ and T.' Scale characteristics permit multiplication, division, proportlon. inverse proportion, reciprocals, cotangents, squares, square roots, cubes, cube roots, logarithms, tangants, sines, PI factor multiplication anc division, powers and roots of numbers less than 1, powers and roots of numbers greater than 1 , logarithms to base " e ." shpg. wt., 1 lt. Imported.
99 R 70310
Net 12.95

## 5" POCKET SLIDE RULE

- Extremely Accurate
- Has Standard S, L and T Scales
Conven ent pocket sized slide rule of specially selected and treated bamboo. Will not warp, shrink or Jengthen under varying atmospheric conditions. A, B, CI, C, D and $K$ scales engraved on white plastic surface. Reverse side of slide has standard $S$, $L$, and $T$ scales. The upper beveled edge of the rule is graduated in mm to 13 cm . Other edge is divided into 5 inches by 32 nds . Only $5 \% \%_{6}$ long over all. Carried easily In am pocket. Wt., 6 oz. Imported.
99 R 70302

Net 3.95

USING THE SLIDE RULE IN ELECTRONIC TECHNOLOGY by Charles Alvarez
$2^{95}$

Written for electronic students, both beginners and advanced. It can also serve as auxiliary text in math theory, All scales are discussed separately with detailed examples, graded in difficulty to de delop speed and accuracy in use of the slide rule. $120 \mathrm{pp} .51 / 2$ $\times 81 / 2$ paperback. Shpg. $\mathrm{mt}, 8 \mathrm{oz}$. 10 R 11626


A versatile carculating instrument specially constructed with special chemical resistant, $1 / 4^{\text {" }}$ thick, plastic, it will not shrink or expand under varying climatic conditions. 12 scales to solve problems involving multiplication, division, proportions, squares, cubes, and all trigonometric functions. Special scales allow direct conversions of angles from radians to degrees. Ideal for quick calculations. With leatherette case: 99 R 71276 Wt., 4 oz . Imported Net 3.49

FRACTION ADDING MACHINE

$$
2^{95}
$$

Continuous adding or subtracting of frac. tions, decimal equivalents, of mixed frac tions and decimals. Answers shown instant. ly. Invaluable for the shop and technical school, office, factory, machinists, design ers, draftsmen, and engineers. Made of sat-in-finished aluminum-only one moving part -numbers and lines etched and filled for years of trouble.free service. Complete with plastic case and instructlons.
13 R 17015 Shpg. wt., 4 oz.
Net 2.95


- Center Wheel Adjustment
- Professional Quality
- Made in W/Germany of Nickel Plated Brass
Contains $644^{\circ \prime}$ self centering compass, one leg knuckle joint with divider, pencil, pen parts and lengthening bar; $61 /{ }^{\prime \prime}$ self-centering divider; spring bow divider 4ym", center wheel adjustment with interchangeable needle points; spring bow pencll and spring bow pen, both $44 /^{\prime \prime}$ with center wheel ad. justment and interchangeable needle point; two $53 /{ }^{\prime \prime}$ ruling pens; extra handle for pen and pencil parts; adjustment tool; lead case and leads; and spare parts 虭, atl in fitted lined case. Shpg. wt., $11 / 2$ lbs. 99 R 76039
10.58

UTILITY DRAFTING SET

- Side Wheel Adjustment
- Made in W/Germany of Nickel Plated Brass
- Professional Quality


#### Abstract

Made in Germany of hard rolled, nickel plated brass. All instruments are nested in litted, lined case. Contains three side wheel $33 /{ }^{\prime \prime}$ bow instruments-one a divider, one a pencil and one a pen. All have reversible needle point. $54 / 4^{\prime \prime}$ compass -with pen and pencll parts and lengthening bar. $54 / 4^{* \sim}$ divider with straightening device. $5^{4}$ ruling pen. Extra thandle for use with pen and pencil parts. Capsule with extra leads. Perfect for school, labs. industrials. Shog wt.. 1 lb. 15 il 21046 ............................................ 6.95


PROFESSIONAL GIANT BOW

- $6^{\text {" }}$ Size with Center Wheel Adjustment
- Finely BalancedProfessionral Type
- Made in W/Germany of Nickel Plated Brass
Professional quality utility set in a fitted IIned case. Made in Western Germany of nickel plated brass. $6^{\prime \prime}$ giant bow has preferred center wheel adjustment. Makes circles from $1 \%^{\prime \prime}$ to over $10^{\prime \prime}$ in diameter. Set includes $6^{\prime \prime}$ giant bow, interchangeable pen and pencil parts, extra needie for using bow as divider, handle for use with pen and pencil parts, lead, lead box and repair parts. Shpg. wt. 902.
is R 21053
Net 5.95


## draftette PORTABLE DRAFTING MACHINE <br> PRECISION DRAWING SET

PRECISION DRAWING SET


- Precision Instrument

Medel 9-8 sketch draft, design, draw dia. grams and schematics litie a protessional. A new DRAFTETIE which gives you all the advantages of T.square, triangle and protractor in a compact, easy to operate portable drafting machine. Constructed of anodized aluminum, features tubular arms, $360^{\circ}$ protractor, one-piece $6^{\prime \prime} \times 9^{-}$scale callibrated in 16 tha $-1 / 8 \cdot 1 / 4$. Mounted on a $16^{\prime \prime} \mathrm{x}$ $21^{\prime \prime}$ drawing board, completely ussembled ready to use. Shpg. wt., $51 / 2 \mathrm{lbs}$. 15 174011

Net 16.35

## draftette PORTABLE DRAFTING MACHINE



## $9^{95}$

- Mounted on $11 \times 17^{\prime \prime}$ Hardboard Model \#117 portable drafting machine with interchangeable one-plece aluminum $4 \times 6^{\text {m }}$ scate, calibrated in 16 th, $1 / 4$ and $1 / 4$ or $10 / 50$ ths (eng.) and Metric. Full $360^{\circ}$ protractor. Precision all-aluminum construction gives you a rugged and accurate machine. Ideal for schematics, layouts, etc. IS R 74060 Shpg. wt., $2 \frac{314}{4}$ lbs. ...... Nel 3.95


## PORTABLE DRAWING KIT



- Can Be Carried or Stored A folding portfolio conveniently carried or stored. Includes a 12 -inch T-square, a $180^{\circ}$ protractor, 20 -inch French curve, a 4 -inch $45 / 90^{\circ}$ and 4 -inch $30 / 60^{\circ}$, a 50 -sheet drawing pad and drawing pencil. Plastic portiolio is $9 \times 131 / 2 \times 11 / 2{ }^{\prime \prime}$. Tools housed in separate poctets. Shpg. wt., 2 lbs. 15 © 14330

Het 3.50

## HARD MAPLE PANTOGRAPH

For Enlarging, Reducing, Reproducing


## - "Quick-Change" Feature Allows Setting to Any Ratio

A 21" adjustable pantograph with 21 different ratios from 14 to 8 . Enlarges, reduces or reproduces drawings, etc. Wost rapid, accurate means of reducing or enlarging to scale. Lacquered highly ffaisthed bars are $21^{-}$long and $3 / 4^{* \prime}$ wide. Heavy ball bearing standard. Chrome plated hardware, ratio thumb screws and nuts. Complete with lead, accessories and detalied instructions. Shpg. wt. 1 lb .
IS K 56026
Net 5.95
31" PANTOGRAPH
Similar to above ezcept $31^{\prime \prime}$ long, with 32 ratios. Complete with accessories and instructions. Shpt. wt., 1 lb. 3 oz. 15 ${ }^{6} 56067$

Net 7.95

Model \#58 portable drafting drawing ma. chine permanently mounted in a Vinyt binder (self-locking). Can be used for sketching, designing, drawing, and drafting. Great for traveling. Contains a precision portable orafting instrument with $4 \times \mathbf{6}^{\mathbf{+}}$ scale, $360^{\circ}$ protractor, pad of 50 sheets, drawing-tracing paper $81 / 2 \times 11^{\prime \prime}$, pencil, alf in one compact binder. Does not require tape or tacks to hold paper in place for use. Binder $94 / 2 \times 13 \mathrm{x}$ $1^{\prime \prime}$. Shpg wt., $2 y / 4 \mathrm{lbs}$.
IS R 74029
Net 9.95

# Drafting \＆Drawing Supplies 

## DATAI

## As Low As

Sharply deflned $1 / 8^{\prime \prime}$ high，Gothic typeface， letters，numerals，and most often used elec． tronic terms．Transfer easily and cleanly onto any smooth，dry surface－paper，metai， plastic，wood，or glass．Not a decal，goes on instantly without water or tapes．Leaves no background haze or film．Looks like it was printed on！Hundreds of characters on $3 \times 5^{\prime \prime}$ sheets in each set．Shpg．wt．， 4 oz

| Stock No． | Mfgr | No．of Sheets | Kit Includes | Color | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32R75047 | 9581 | 24 | Letters，words Numerals | Blact | 5.95 |
| 32 R 75054 | 9591 | 24 | Letters，Words Numerals | White | 5.95 |
| 32 R 75088 | 9601 | 12 | Alphabets Only | Biack | 3.00 |
| 32 R 75095 | 9611 | 12 | Alphabets Only | White | 3.00 |
| 32日 75104 | 9621 | 12 | Numerals Only | Black | 3.00 |
| 32R75112 | 9631 | 12 | Numerals Onty | White | 3.00 |

## METER AND DIAL MARXINE KIT

Contalns $125^{\prime \prime} \times 7^{\prime \prime}$ sheets－ 4 different sheets in 3 colors，black， white and red．Sheets have switch patterns，arcs，graduation lines， letters and numerals etc．for marking rotary and standard switches and dials．etc．
32 \＆ 75013 per package Net 5.55
DATAKOAY PROTECTIVE COATINES．Maximum protection for Instant ettering． 702
32 R 75012 Protective Coating Nit $\qquad$ Net .99 32 R 75070 Protective Coating kit（ 16 oz．spray can）＿＿Net 2.95
 15 月 60010

20 CAMEL HAIR BRUSHES
imported camel halr brushes， Sizes \＃1 through \＃6．Each brush is $61 / 2{ }^{\prime \prime}$ long with dif． ferent color handles．Excel－ lent for cleaning tuners and precision parts．Perfect for water color．cabinet touch－ud，and sign let． tering．Shpg．wt． 4 oz.

## 15 R 78509



TACNE
TACROGRAPH SET
$5^{95}$
－with Three Nibs
A top quality drawing pen for all lettering and drawing work．Uses both India and drawing inks．Precisien point for constant flow lines．Slim，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．， 402. 15 R 80026 L Net 5.95


Professional quality Tac rograph 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－light med． belge－2－heavy med．；green－21／2－brbad；blue－3－very broad；red－4－extra broad．Shpe．wt． 8 oz．
15 R 800341

## LETTERING GUIDE SET

## Made of transparent


lastic．Use with ther sharp pencil or ink．Each has complete alphabet，numbers and commonly，used signs．Set consists of six guides．Sizes $1 / 8,3 / 16$ ， $1 / 4,5 / 16,3 / 8$ ，and $1 / 2^{\prime \prime}$ ．Shpg．wt．， 1 lb ．
5 R 14322 Complete Set
Het 4.95

## LETTERING PEN

Reservoir type drawing pen．Designed for use with lettering guldes from $1 / \mathbf{c e}^{\prime \prime}$ to $1 / 2^{\prime \prime}$ ．Shpg．wh．， 3 al．

## 15 R 14074

Net 4.79

## ELECTRONIC DRAFTING TEMPLATE

ELECTEONIC TEMPLATE．Excepticnally ac curate！Made to J．I．C．standards．All ele－ memts of electronic and CR tubes are pro vided for－plus tube bases for 7,8 and 9 prong tubes．Includes transistors，diodes， rectifiers，plugs，etc．Covers all symbols． Size：725＂．Thickness：． $030^{\circ}$ ．Shpg．wt．， 4 ozs． 15 月 43016

Net 2.79


Phade of crystal clear plastic ．090＂thick Set consists of eight French curves．Excel－ lent for perspective，three dimensional drawn ing and general applications．wt．， $3 / 4 \mathrm{lb}$ ． 15914256

Net 3.19

## ELECTRIX THE EXECUTIVE PERSONAL FAN

$10^{95}$
－Powerful Compact Whisper Quiet
－Use Anyplace You Relax

Cools like fans several times its slze．Set it on a desk，alongside your bed，or In the kitchen．．．wherever a breath of fresh air is needed without blowing up a storm，or disturbing papers．The Executive is so whisper quier and efficient you can usa it any place you relax or work．Durable，high impact Cycolace base adjusts to direct a concentrated，cooling．even stream of air．Beautiful off－ white／walnut finish．For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$ ．Size： $8 \mathrm{Wx4Hx} 4 \mathrm{D}$ ．
15 1.51019 Shps．wt．， $23 / 4$ lbs．


## $1^{95}$

$\qquad$

Charger 11. Rugged, IIghtweight portable typewriter, ideat for students and home use. All steel construction ensures years of solid performance and dependabillty. Compact design features a fult slze 84 character keypoard. Additional features include: jam release key, 2 color ribbon, stencil position, half-space ratchet, Ilne drawing aperture, measurling scale and card holder, Comes with console type case cover. Pica type. Slze: $141 / 2 \times 15$ ¥ $5 \sqrt[1]{2} \mathbf{z}^{\prime \prime}$. Imported. Shpg. Wt., $131 / 2$ lbs.
15 ค 17119W ............................................................................ 39.95



- Attractive Case With Lock

No Money Down*
tchelon 89. Space-age engineering comes to poputar priced typewriters . automatic spacing at the touch of a button without electricity. Other features include full 88 character keyboard Jam release key, touch adjustment, half space iatchet, key-set tabulator, variable line spacer, measuring scale and card holder, 2 color ribDon and stencil selector and line drawing aperture, comes with attractive luggage type carrying case with lock and key. Pica type. Size: $16 \times 18 \times 88^{\prime \prime}$. Imported. Shpg. wt., 19 lbs.
15 R 17143W
Net 64.95

## With Fully Electric Repeat Keys Plus Automatic Repeat Spacer!

MODEL 3000 Features a full 88 character office keyboard including the $+,=1,1 .$. four more than standard. Has 3 repeat keys 6 electric repeat characters: , , -, X, , x. Equipped with automatic repeat spacer, tabulator, half-space ratchet, 2 -color ribbon and stencil selector, line drawing aperture, paper meter and scale. Comfort sloped keyboard, eraser table, and paper support. Comes with lid cover. Pica type. Size: $51 / 4 H \times 14 \mathrm{~L} \times 131 / 2{ }^{\prime \prime}$ W. Imported. Shipg. wt., 20 lbs.
15R17150W
Net 99.95

## Smith-Corona corona 70 Electric PORTABLE TYPEWRITER

- Precision Electric Keyboard
- Key Set Tabulator

Student-priced-styled for the 70 s. Precision portable electric typewriter with big machine features. Has push-variable platen, repeating space bar, electric segment shift, removable easy-fo-clean platen, key set tabulator (more than 80 stops) and quick-set visible margins. Also features a forward glide deck and high performance motor. Ali steel construction. Genuine Naughahyde carrying case. Smartly styled In Axtec blue. Plea type onty. For $110-120 \mathrm{~V}$ AC. U.L. Iisted.
15 R 40178w Shpg. wt., 24 lbs. ................................ Net 129.95.


\author{

- Big 12" Carriage <br> - Fully Powered Carriage-Tabulation-Keys
}


#### Abstract

The Coronet Automatic 12 meets the most exacting needs of office, home or school-yet travels with filte-lite ease. Full sized heyboard, full tensth tabulator key sets, clears. Repeat action for dashes, dots. X's, underlines. Repeat spacing; copy-set dial; 3 -position ribbon selectors. $12^{\text {" }}$ carriage automatically returns and advances to next line. Copy set dial-makes up to 10 carbons. Artec blue body w/Seamist keyboard. Pica type. All steel construction. Carrying case inci. $110.120 \mathrm{~V} 60 \mathrm{~Hz}, \mathrm{AC}$. Shpg. wt., 30 lbs . 15 R 40194

Net 184.95


## COMPACT ELECTRIC ADDING MACHINE



- Fully Automatic Iwo-Color Ribbon
- Larger Capacity: Totals 11 Columns Up To \$999,999,999.99

Model $10 / 11$ Short stroke 10 -key keyboard. Automatic operation add, multiply, subtract, total, subtotal and true eredit balance. Twocolor ribbon prints credit balance and minus factors in red. Clearly marked single-use function keys. Raised Plus Dar makes "sure target." "Ezy-Lock" multiplicatlon key simplifies and speeds up alt repeat operations. New non-add key prints reference numbers. Allsteel frame and steel mechanism. Two-tone high impact slyrene housing. 15 R 55002w Shpg. Wt., 10 lbs. Net 89.95
Contour-1ltted Statesman Carry Case with zipper and handes.
15 R 55010 Shpg. wt., $1 \geqslant$ lbs.
"FIGUREMATIC' PORTABLE ELECTRIC ADDING MACHINE

- Totals 8 columas to \$999,999.99

Makes Crisp, Black-on White Copies

- No Messy Liquids, Powders, Sprays or Inks Letters, Photographs, Pages Bound in Blooks
Easy to use and economical dry copier for home and office. Anyone can make permanent black-on white coples of documents, recipes, etc. in less than 30 seconds, regardless of color or thickmess up to size $81 / 2 x$ 12". No messy chemlcals, inks, powders or sprays; ases two ordinary 150 waft frosted bulbs and "Copymate" paper. Features a built-In automatic timer that defermines proper exposure and also indicates when copies are ready. Compact, handsome two tone grained finish case with carrying handle has a convenient built-in paper storage compartment. Easy front pariel controls and pilot light. For $110-120$ VAC, 60 Hz , UL ilsted. Size: $221 / 4 \times 171 / 2 \times 61 / 4^{\prime \prime}$. Shpg. Wt., 9 tbs.
15 R 46043W
"Copymate" Paper. 33 sheets per pkg. Shpg. wt., $11 / 2 \mathrm{lbs}$.
Net 49.95
15 R 46027
Net 3.25


# Deconalive 2 Drawer Dasi 

## IDEAL FOR STUDYING AND HOME OFFICE

- Permaneer Finish Resists Heat, Stains, and Scratches
- Easy to Clean


CHAIR OPTIONAL
Finely crafted chrome and walnut desk is designed to blend with any decor. Perfect for the home study or office. Two storage drawers and a large extended desk top provide plenty of functional work space. Constructed of durable pressedwood Permaneer. Walnut-grained finish has the llook and feel of rich, lustrous hardwood and is stain, heat, and scratch resistant. Easily wipes clean with a damp cloth. Keeps Its beautiful woodike finish with no special polishigg care. Desk stands $29^{\prime \prime}$ high on 4 sturdy chrome-plated legs. Desh measures $48^{\prime \prime}$ wide $\times 20^{\prime \prime}$ deep. Easily assembled with just a screw. driver. Shpg. wt., 50 lbs.
20 R 16020 WX
Net 29.95
OPTIONAL CHAIR, has contour back with black vinyl fully padded seat. Wafnut wood finish matches above desk.


A fast•figuring electric portable that adds, subtracts and multipties. Full-featured construction with 10 keys. Add-Sublotal. Subtract-Total, and Repeat. "Clear" and digital indicator are combined. Llsts 7 columns of figures. New, easy-load-riobon cartridge gives thousands of extra prints. Easy to carry-the cord tucks in, styllsh dust cover snaps on, built-in retractable carrying handle comes out. and away it goes. Ideal for everyone who figures-at work, home, in between. Overall $7 \times 9 \times 13^{\prime \prime}$. For $110-115$ volts. $60 \mathrm{~Hz}, \mathrm{AC}$. Shpg. wt., $101 / 2 \mathrm{lDs}$. Shpg. wt., $10 \mathrm{y} / 4 \mathrm{lbs}$.
15 R 40079W
Net 74.95
Adding tape for above $21 / 2^{* *}$ wide.
15 R 40061 Shpg. wt., 10 oz .
Net ea. . 39



Fig. A. An sitractive afl metarfluorescent lamp with combination solid/gooseneck support finished In chrome. Brown metal base with push button light control. perfect for study, of fice or den. Translucent white plastic oiffuser for maximum light dispersal. Includes $\mathbf{1 5}$-watt, $18^{\prime \prime}$ cool fluorescent bulb. Streamline design complements any room decor, 14 inches high by 15 inches wide. Provides ithumination anywhere on your work or reading surface. 117V, 60 Hz Imported. Shpg, wt., $53 / 4$ lbs.

## 12 R 16027

Net 6.95
Fig. B. Attractive, all metal desk lamp with two 15 -watt fluorescent buibs for maximum light. Contemporary design matches any decor. Dual, polished chrome goosenecks and black finish base. $181 /{ }^{2 \prime}$ metal shade with plastic light diffuser for high light dispersion and reduced eye fatigue. Great for students, office work, or reading. Pushbutton starter and off switch on base. Helght: .17" With two
bulbs. 117 V .60 Hz .
Net 14.95
TYPE-LITER TYPEWRITER LAMP

$12^{95}$

- Fits Any Typewriter

Useful addition to your office or study. Type-Liter attaches snugly to the back of any typewriter or office machine to provide light where it is needed. Prevents eye strain. No nuts, or bolts necessary. Uses 15 . watt fluorescent bufb for cool, non-glare Ilumination, Swivel action shade with flexible arm. Neutral color to blend with any decor. U.L. Usted. Shpg, wi, 4 lbs.
12 R 10095
Net 12.95
T-\& 15-Watt Cool White Lamp. Shpg. wt., 5 oz . 12 R 10020

Net 1.39

REPLACEMENT HBGH INTENSITY AULBS
Popular replacement bulbs for most high intensity lamps. Avg shpg. wt. 3 oz.

Prices and Specifications are Subiect to Change Without Notice

## (A)

## DELUXE INCANDESCENT LAMP

Model L8-1A. Designed for use wherever work areas must be well Ifluminated. Non-friction, spring-balanced design permits easy positioning, and keeps lamp permanently in place. Can be raised or lowered, swivels $360^{\circ}$, and has $45^{\circ}$ reach. Dual-shade construction reduces heat and maintains new lamp performance. Easily clamps to edge of table or desk. Dove gray finish. Accepts standard bulb. U.L. listed, Less bulb 12 R 69554W Shpg. wt., 5 ibs. ...................................... 19.95

## [B] DELUXE COMBINATION INCANDESCENT

 and FLUORESCENTModel LC-1A. Ideal for use in any office or home where maximum lighting efficiency is necessary. Separate svijtches independently control each light. Spring-controlled, counter balanced arms
"finger-touch". "stay put" positioning "can be raised or lowered. rotates $360^{\circ}$ extends $45^{\prime \prime}$. "C" clamp mtg. bracket. Handsome dove gray finish, U.L. listed. Less bulbs. 12 R 69562 W Shpg. wt., 73/ lbs.

Net 27.95
12 R 7501522 watt, cool white fuorescent lamp.............. Net 3.49

## OELUXE FLUORESCENT MAGNIFIER LABAP

Model LFM-1A. Designed for assembly and inspection of miniature parts, reading numbers and fine print. Spring balanced design; the lightest touch guides the light to any fixed position users hands are left completely free. $5^{\prime \prime}$ magnifier; $360^{\circ}$ swivel; reaches 25 to $45^{\circ}$. Constructed with precision ground lens and die cast aluminum shade. Dove gray. "C" clamp mtg. U.L. Iisted. 12 R 69570 Less Bulb. Shpg. wt., 8 lbs. ............. Net 39.95 12 R 7501522 watt, cool white fiuorescent lamp …......Net 3.49

## (1) DELUXE FLUORESCENT DESK LAMP

Mocel FL-IA Dual-light fluorescent desk lamp with uniquely designed shade and inner reflector to produce maximum, non-glare, lighting. Spring balanced extension arms permit smooth. easy adjust. ment. Has two button starter switch, and top quality ballast for qulet operation. $45^{\prime \prime}$ reach, $360^{\circ}$ sweep. Includes " $C$ " clamp mig. bracket Beautiful desert tan, UL listed.

12 R 69588 w Less bulbs. Shpg. wt., 10 lbs.
Net 29.95
12 R 69588 Less bulbs. Shpg. Wt., 10 lbs.
12 R 10020 l5 watt, cool white lamp. (2-required)

Designed for precision work. features a 5 diameter magnifying glass with a powerful $13^{\prime \prime}$ focus, surrounded by a 22 watt shadow free fluorescent tube. A custom-engineered arm permits complete directional mobility - special adjustment hnobs insure the proper tension and steadiness for any desired position, 45\% arm reach. Ideal for assembly, laboratory, quality control and other Jetail work. In wit or assembled form. Shpg. wt., 7 lbs.
12 R G9521w Kit, less lamp
Net 22.95 12 R 69539 W Assembled less lamp T9, 22 -watt, cool whlte lamp. Shpg. wt., 11 oz. 12 R 75015

Net ea. 3.49

$24^{95}$

- Universal Joints
- Light at Any Angle
- Extends to $36^{\prime \prime}$

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 $36^{\circ}$. Uses two $78,15 \mathrm{~W}$ lamps. For $110-125 \mathrm{~V}$. 60 Hz . AC. Bronze ${ }^{4}$ In ish. Shpr. Wt.. $91 / 2 \mathrm{Ibs}$.
12 R 10012 W Less lamps. Shpg. wi., 9 lbs.
Net 24.95
18, 15 -watt, cool white lamp. Shps. wt., 501.
12 R 10020
Netea. 1.39


FLUORESCENT MAGNIFYING LAMP


## $24^{95}$

- Flexible Gooseneck
- 5" Lens with $13^{\prime \prime}$ Focus The perfect lamp for the hobbyist who needs plenty of light and magnification for close preclsion work. The f:exible, gooseneck arm adjusts and holds the lamp in the position you want. Five inch dlameter mag. nifying glass; overall length about $2 \frac{1}{2}$ feet. Sturdy, clamp-mount base, Uses 22 -watt circline fluorescent lamp.
Less Lamp. Shpg. wi, 8 tbs.
12 R 10046 ..... Net 24.95
T9, 22 watt, cool white lamp. 11 oz.
12 R 75015


## STUDY-LYTE

 CLAMP ON LAMP
## As Low As

$11^{1{ }^{55}}$

- Spring Control
- Extends to $45^{\circ}$

Perfect illumination where you need itmoves up, down, sideways at your lightest touch, and stays exacliy where you put it. From a central position, the $45^{\circ}$ arm reach can swing to illuminate any area on a desk or table. six teet long aed four teet wide. sleek ail-metal construction with versalile $3^{-}$throat edge clamp. Uses standard bulb (not included). Avallable in easy-to-assemble kit form op completely assembled. Kit. Shpg. wt., 4 lbs
12Rg. 69505w
12R69505w Net 11.95

## CLAMP-ON ALL PURPOSE LAMP



- 18" Flexible Arm
- 3-Way Mounting Clamp

Most adaptable clamp-on all purpose lamp with 18 " flex arm with parabolic shade. Ideal for drafting, hobbies, machine lools and work bench. The entire lamp traverses an entire $360^{\circ}$ with lock nut to maintain it in any fired positlon. Reverse the clamp and you can screw it to the wall. The lamp shade on the inside is painted white enamed to give full reflection and a concentrated source of light where needed. For 75 watt lamp. Green color finlsh. Shpg. wt., 3 lbs.
${ }^{\text {Ibs }} 12$ R 10087

## LAFAYETTE Wireless Remote Control

For Lamps, T.V., Hi-Fi, Household Appliances


- Turns Lights and Appliances On and Off From Anywhere in Your Home-By Remote Control! - Simply Plug In and Operate! A Lafayette Exclusive!

Now you may turn on or oft any electrical device from anywhere in your thome or shop. The Lafayette wireless remote control requires no additional wires. Simply plug in your transmitter wherever you choose in the house, and the appliance, TV, hi-fi system or lights that are plugged in to the receiver will be turned off or on by pressing the button on the transmitter. Perfect for viewing TV or listening to $\mathbf{h i}-1 \mathrm{i}$ in bed. When you get sleepy press the switeh and turn everything off. Safe! Simple remote switch of lights, lamps, radlos, TV and appliances. Transmitter and Receiver operate on ordinary house current, recelver accepts any 105 to 120 volt device up to 300 watts. Imported. Shps. wt., $1 / 216$.
Complete Transmitter \& Receiving Unit
99 R 91183
Net 14.95
Extra Transmitter Shpr. wt., 11/4 Ibs. 99 R 91787

Net 5.95
Extra Receiver Shpr. wi., $11 / 4 \mathrm{lbs}$ :
99 R 91225
Net 9.95


- Tum On and Off Lamps, Hi-Fir TV, And Radios From Chair or Bed


## Telew and

"Microsonic tleam" switches On/OIf 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 On/Off up to 40 feet away. Consists of a Teleswitch (minlature recelver), and a Telewand (miniature transmitter). Installs in seconds . . . just plug the AC cord from the appliance you wish to control into the Teleswitch sochet, then plus the AC cord from the Teleswitch into any $110-120 \mathrm{~V}$., $60 \mathrm{~Hz} A C$ wall outtet. For use with up to 7.5 Amps .860 Watts. Telewand operates on gV battery. Shos. wt.. 14 oz .
12 R 87010
Net 21.95
99 R 60212 Battery for above.
Net .29
Extra Telewand for above less battery.
12 R 87028 Shpg. wt., $1 / 4 \mathrm{lb}$.
Net 5.95

AUTOMATIC PHOTO-ELECTRIC LIGHT CONTROL


- Turns Lights On At Sunset Off At Sunrise
Automatically turns lights on al dush and off at dawn. Helps to prevent burglary, vandalism, and accidents. Just attach to tamp cord and plug into wall socket for automatic light control. Responsive only to daylight. car lights, flashlights, or lightning will not operate unit. For 11 Y̌ AC. 300 Watts. UL Listed. Shpg. wt., $1 / 4$ it. 12 R 28519

Net 3.95


## WHISTLE SWITCH

## onLr $13^{95}$

- The Amazing Elec-tro-Sonic Switch That Turns Any. thing Electrical On or Off With a Whistle
Let Sound Command do the work. Turns radios, televisions. Ni.Fi, Lamps, outdoor light, on or off while you relax in your chair or bed. No need to waik in darkness . . .turn on lights in a different room before you get there. Just blow the whistle and appliance immedlately qoes on or Off. WHISTLE SWITCH is plugged into any standard household outlet, then electrical appliance is plugged Into WHISTLE SWITCH. Nothing further is required. 350 -watt capacity. For 110 y 60 Mz AC .
12 R 78 Sos Shpr. wt. 10 oz . Net 13.95 Extra Whistle for above 12R78514

Net .89


## AUTOMATIC OUTDOOR LIGHT CONTROL

- Turns Lights On At Dusk/ Off At Dawn Automatically
- Easily Screws Into Fixture Socket
Helps prevent burglary ....vandalism accident by turning on all your outdoor lights at home, store, office, factory, signs. etc. Screws into any standard or flooditight sockeL. Compact, requires only $17 \mathrm{~h}^{\prime \prime}$ of ad. ditional clearance in fixture. Weather resist-



## LAFAYETTE 1000 WATT PHOTO-ELECTRIC LIGHT CONTROL



Automatically switches on house, office, or store lights at sunset and off at sunrise. Great for vacation time, or dally use. No need to come home to a dark house at night. Helps heep burglars away. No special wiring necessary-just plug into wall socket and plug lamp into jack. 1000 watt capability permits use of several siandard lights-will brilliantly light an entire house. Brass finish Hluminator measures only $3^{\prime \prime}$ in diameter. Supplied with a 6 ft . cord. Wt., $7 / 7 \mathrm{Ib}$. 12 R 01029

Net 7.50

## PHOTO-ELECTRIC LiGHT CONTROL

- Easily Installs In Light Fixtures-Post Lanterns-Etc.


Now! Etectronically protect your home In minutes... photo electronic "Lamp Liter" automatically turns lights On at dush, off at dawn. Easily installs in driveway post lanterns; yard lights around swimming pools. patios. and gaidens; or, in expose mounted knockout type switch boxes. Built-in time delay prevents accidental switching from auto headlamps or flashing lights. UL component listed for 120 volts 800 watts maximum. Size: 1 Hxi Wx $2 \sqrt[4]{ }{ }^{\text {M D }}$. Shot. wt., 60 . 13 R 64504

Net 5.85

## Electronic Dimmers-Electrical Accessories

## ELECTRIC OUTLET CONTROL



- Mount on Bench or Walls, or Keep Portable

If you need ertra outlets, you need this Electric Outlet Control Center. Has sir individual outlets with its own buitt-in fuse box. Finger-touch control on-off rocher switch with jeweled on-off indicator panel light. Heavy duty line cord for use in the home, affice and industry too. Complete with mounting screws for permanent instaliation on wall or bench, or use it as a portahie control center. For $110 / 120$ Vac. 1500 watts, 15 amps. Less fuse. Imported. Shpg. wt., 14/4 lb.
14 R 21031
Net 5.95
Box of 515 -amp fuses
13 R 11711
Net .55

## DELUXE 6-STATIDN ELECTRIC OUTLET CONTROL CENTER



- 7 Individual Finger-Touch Rocker Power Switches
- 7 Individual "Signal-Glo" On/Off Indicator Lights
Provides six isolated, fused three prone "u" type grounded outlets. Convenient for home workshops, counter tops, efc. Mounts on wall, bench, floor, or remains portable. Each ouflet utllizes a switch and Indicator light. Suilt-in fuse compartment sives complete equipment protection. Entire fuse panel pulls out for easy, safe fuse changing. Rating: 15 amperes at $100-120$ volts $A C$ ( 1800 Watts). 6 ft .3 cond. heavy-duty cord. Size: 101 स $6 W$ - $11_{4}^{\circ} 0$.
14 R 21106 Shpg. wt., $2 V_{2}$ Ibs. Net 15.95 13 R 11679 Pkg. of 5 Fuses Net .87


## 3 WAY POWER CONTROL



- Individually Switched Outlets With Indicator Lights

[^17]
## FUSED POWER CONVENIENCE CENTER

## ONLY <br> 

- Mounts Any-whereBench, Walls, Floor
- 6 Fused Outiets Any. where


Lafayette's power control center adds six, fused convenient outlets anywhere you choose. Eesigned to mount on walls, Hoor, benches, counter tops or for portabie use. On/Off rosker swlithes and panel mounted On/Off indicator light. Built. in fused holder with repiaceable 15 amp . fuse. Meavy duty 8 -foot lire cord. For 120 volts AC 1500 watts. 15 amps. With Fuse. Imported. 99 R 92090 Shpg. wt., 1 lb .... Net 3.95 Pkg. of 5 fuses for above 13R 11679

Net . 67

## POWER CONTROL OUTLET BOX



- Protective Circuit Breaker
- Six 3-Wire Outlets

Only

Destgned to safely and conveniently deliver power to appliances, tools, lights, office equipment, etc. Easily mounted on wall. bench, floor, or kept portable. Sim 3 -wire " $\mathrm{U}^{\prime \prime}$ " type grounded outlets contralled by one switch. Buli-in circuit breaker protects equipment. Plot light indicates when power is on. Ragiged steel case. Rating: $100-120 \mathrm{~V}$

12 R 15508 shpg. Wr., 2 los.

## Net 8.50



Ideai as a fire alarm, burglar alarm warning bell. Grres ciear, loud ring to overcome high level background noise. Gleaming chrome-plated bell on a sturdy plasfic base. 110 volis: AC. Overall size, $41 / \mathrm{s}^{\omega}$ ac oss and $21 / \mathrm{c}^{\text {" }}$ deep. Imported. Shps. wt., 1 ib
99 负 90235
Net 2.85

## LAMP DIMMER



- Easily Screws Into Standard Lamp Socket
Sollid-state tamo dim mer elliminates specia!
miring. Provides variable brightness to set a moos, TV viewing, etc. Turnirg lower section of dimmer selects Hght lesel from darkness to full bright. Lower intensity levels Increase butb life and, reduce electricity cost. For 1 or 3 -way bultes up to 250 watts.
12 R 16506 Shpg. wt., $1 / 4 \mathrm{lb}$. Net 4.95


## LAFAYETTE ELECTRONIC LIGHT DIMMER CONTROL $5^{95}$ <br> 2 Year Guaranteet

- Push-On-Push-Off Dial
- Full Range-Total Darkness

To Full Brightness

Enjoy modern llethting in any room in your home or office. Solt light for TV viewing, bright light for reading or working. Easy to use, dimming is continuous from off to full Ullumination. Push on or off at any Ifght level. Fits into standard single gang wall box without rewiring. lvory plastic knob has brass finish insert. For 120 volts, 60 cycles $A C$. Operates incardecent lamps to 600 watt capacity. tHighest quality- we will repair any defect due to material or workmanship within 2 years wishout charge. Simply ship to Lalayefte prepaid. Shpg. wt., 1/2 ID.
12 R 01011
Net 5.95

## 600 WATT LIGHT DIMMER CONTROL



- Continuous Light Control From Dim To Full Brightness
- Replaces Any Ordinary Switch in Minutes
Convenient on/off dimmer controf for use in Wving room, dining room, bedroom, family room, etc. Soft lighting for TV viewing and relaxing, bright Might for resding and wort. ing. Easy to install in any standard wall bok without complicated rewiring. Operates incandescent lamps to 600 watt capacity. Ivory plastic knob with brass finish insert. For 115 VAC. 60 Mz , Shpg. wt. 1 lb .
12 R 26513 Net 3.95


## PORTABLE LAMP DIMMER <br>  <br> - Use With Any

 Incandescent Lampt

Dal the exact intensity of Ifght desired Create a light mood in any room in your home. Full-wave feature allows continuous dimming of any light load up to 350 -watts. Efficient electronic circuit saves you mone - pay only for the light you use. With cord and special plug'receptacte. For 120 VAC Gold Color.
13 R 27568 Shpg. wt., $11 / 2$ lbs. Net 9.95

## Electrical Accessories

UNOER-CABINET FLUORESCENT LAMP


- Complete with Bulb
- Convenient AC Outlet Ideal for shop of kitchen work counters. Can be mounted on the wall or under a shelf. Has white plastic diffuser, pushbutton switch, convenience outlet, cord and plug. With 15 -watt bulb. White enamel finish. Size: $181 / 4 \times 3 \% / 4 \times 11 / 4^{\prime} \mathrm{F} .23 / 4$ dbs.


## 12R16050

Net 4.95
12R10020 Replacement Bulb. Shpg wt. 5 oz
Net 1.39
MINI BREAKER


- UL ListedNot A fuse - A True Circuit Breaker
- Don't Replace -Just Reset
Complete circuit protection-ifts in standard edison base fuse receptacle! Time delay for starting surges. Never needs replacingjust reset! Shpg. wt., 4 oz.

| Slock Ro. | Amps | Net Each |
| :--- | :---: | ---: |
| 12 R 7016 | 5 | 1.59 |
| 12 R 70024 | 10 | $1: 59$ |
| 12 R 7032 | 15 | 1.59 |
| $12 R 70040$ | 20 | 1.59 |
| $12 R 70057$ | 30 | 1.59 |

## AC LINE CORD

## $=-2 \leq$ पा

6-1t. replacement for worn line cords in lamps, radios, small appllances, etc. Piug at one end; other end stripped and tinned. Shig. wt. 401.
12 R 39011
Net each . 39

## "THE WELCOME" ELECTRIC OOOR CHIME



Provincial White with Gold Leaf Trim

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. instaliation instructions included. $4 / 3 / 4 \mathrm{Hx}$
 12 R 48509

Net 3.49

(A) POLISMED BRASS LIGMTED PUSH BUTION Surface mount, equipped with miniature electric butb. No special wiring required. 12 R 48525 for 6 to 16 V . Wt., 4 oz. Net 1.69 (B) "Colonial" lighteo push button. Solid polished cast brass with lighted push button center. No speclal wiring required. 12 R 48533 wt. 3 oz.

Net 2.39 (C) "QUICK MOUNT" SIGMAL TMANSFORMER for bells, buzzers, chimes. Thermal Switch prevents overload. Rated $16 \mathrm{v} ., 10 \mathrm{w}$.
12 R 48541 UL listed. Wt., 1302 . Net 3.19

## PROGRESS CEILING or WALL FAN

Only - Ideal for Bathroom, Utility 11

95 - Attractive Aluminum Grille
Utility ventilating fan of compact de. sign. Fits in "problem" areas such as shallow cellings and partitions. Quiet operation with a big $6^{\prime \prime}$, four blade fan with 60 cfm capacity. Vents to standard $3^{\prime \prime}$ round duct, built-in plaster frame and outlet box. Has removable aluminum grifle and automatic back-draft damper. Fits between $2^{\prime \prime} \times 4^{4 "}$ stucding. Size: $4 \times 73 / 4 \times 99^{\prime \prime}$. Shpg. wt., $63 / 4 / 16 s$. UL Listed.
12 R 75551
Net 11.95

## CORDOMATIC

 HANDY LIGHT As Low As 995 - Retracts automatically Provides light and power up to 20 feet from installation. Swivels $180^{\circ}$ when wall mount-ed- $360^{\circ}$ when celling mounted. Detaches easily to change location. U.L. listed. 13 R 83025 Shpg. wt., $53 / 4 \mathrm{lbs}$. Net 9.95 3-WIre Lite. As above but with 3 -wire cord and plug. Shpg. wt., 5 lbs.
## 13 R 83041

Net 11.95


Cord pulls out to any desired rength 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., $174^{\prime \prime}$ thick. 10 amps. Shpg. wt., $31 / 2 \mathrm{lbs}$. 13 R83033

Net 9.95
INDOOR-OUTDOOR EXTENSION CORDS

- 2-Wire and 3 -Wire, 16 Gauge 10 Amp - Heavy-Duly Round Cord With Molded Connectors
Use indoors and out, with power tools, re. frigerators, mowers, fans, etc. All are 16 gauge, 3 cond. cords have 3 prong plug. - 2-conductor +3 -conductor.

| Stock No. | Feet | Shpg. Wt. | Net |
| :---: | :---: | :---: | :---: |
| 12R25010* | 25 \%t. | 2 lbs . | 1.95 |
| 12R15011* | 50 ft . | 33/4 lbs. | 3.29 |
| 12 R 34020* | 100 ft . | 64/4 lbs. | 5.95 |
| 12 R 34038 t | 25 ft . | 2 lbs. | 3.19 |
| 12 R 250281 | 50 ft . | 33/4 lb | 5.49 |

## TAP-A.LINE



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 $1^{\prime \prime}$ square. Four foot heavy cord and plug. Shpg, wt., $1 / 2$ to.
12 R 47014
Same as above but 2 feet long.
12 R 47022

Net 1.95
Net 3.19

VIMYL PLASTIC ELECTRICAL TAPE


- UL Listed - $60 \mathrm{Ft} \times 3 / 4^{-}$ - . 008 in. Thick
- 10,000 V. Breakdown First quality, pressure sensitive polyvinyl chlorlde tape. Extremely high dielectric strength of 10,000 breakdown. Insulation resistance of one million megohms. Over $\mathbf{1 5 0 \%}$ elongation at break. Excellent resistance against acids, alkalls, olls, salt water, etc. Tensile strength of 15 lbs . per in. Migh' conformability. Forms likht. smooth protective wrap. Imported. Shpg. wt., 6 oz. 99 R 80152

Net .79

## LagGE PLASTIC TAPE KIT:

10 rolls of vinyl plastic tape. Each roll 33 ft. by $3 / 4^{\prime \prime}$. 1 ea. of Red, white, shy blue, blue, grey, yellow, brown, green, black and orange. Shpg wt., $11 / 2$ lbs.
99 R 80301
Net 2.89

## OEARBORN CIRCUIT MONITOR



- A Must for Maintenance Men, Homeowners, Trailer Users, etc. Detects faults instantly. Checks proper wiring of 3 -wire outlets. Prevents dangerous shocks from the beginning, at your wall outlet. Indispensable for safe operation of appliances, power tools and office machines. Easily used by homeowners. service men and electricians, no meters necessary. Detects whether or not proper ground and AC polarity are available. Just plug into outlet, coded lights tell exactly what circuit condition is present: circuit OK, improper ground, improper neutral, reversed polarity, reversed ground and power, and Dower off.
12 R 73002 Shpr. wt., $1 / 2$ 1b. Net 5.95


## REMOTE CONTROL

- For TV, Hi-Fi, Lamps, etc


95

Turn any 110 volt appliance on and off without getting up from your chair or bed Control your TV, radio, hi.fi, lamp, fan, appltance, movie projector, tape recorder, phonograph, etc. Nothing to connect-just plug it in. Easy fingertip control with handy in-out push switch. Long 15 -foot cord makes it ideal for $\mathbf{T V}$ viewing when you're confined to bed. Imported. Capacity - 750 watts. Shpg. wit, $1 / 2 \mathrm{tb}$.
Shpg. Wt., 1/2
14R2114

# Flashlights-Lanterns-Fire Extinguishers 

## BURGESS SAFARI LITE FLUORESCENT LIGHT SAFE-BRIGHT- <br> - AC or Battery Operation <br> - Hi-Lo Switch <br> $23^{95}$ <br> With batteries.

 Efficient battery powered light-weishs only a compact 9 Ibs, yet delivers plenty of bright light for use in tents, tradlors, bats, patios, etc. Especially useful during energencies. Two Hight levels are provided for brilliant or low intensity lliumination. Operates on batteries for only pennies per hour. Bultt-in 110 volt circult Dermits use with standard AC current. Attraclive polystyrene case and handle complemented with gleaming stain. 13 R 80567 Shpg. wt., $111 / 4$ tos.


Extra batteries for above ( 2 required). Wt., 34 ibs

## 12R 47764

12 R 10079 FBT5CW Replacerment Buib

## KIODE 23/4 LB. ORY CHEMICAL FIRE EXTINGUISHER

- Rated 6 B:C Coast Guard, ICC, and UL Listed


Extinguishes flammable Niquids. grease and electrical fires. Powerful $23 / 4$ 10. pressurized extingulsher meets marine and othes requirements: Easy one-hand operation, Built in pressure indicator can be read at a glance. Non-loxic dry chemical won't iniure fabrics, etc. Tamper-proof lock. Meets Coast Guard and ICC specificatlons. UL Histed. Rated 6 BiC . Corrosion resistant construction. $14 \mathrm{H} \times 3^{\prime \prime}$ diam. Shpg. wt., 5 lbs. 13 R 45040 ~ DISPOSABLE RECHARGE CYLINOER: Recharges ex. tinguisher in minutes. Shpg, wt. $43 / 4$ tbs. 13 R 45057

## JET ACTION HYORO-PUMP FIRE EXTINGUISHER

- For Auto, Home, Boat
- With Wall Bracket

Extinguishes oll and grease fires, chemical fires electrical fires, wood, paper, ard phastic fires. Chemically smothers fires in seconds that water cannot control. Just sim and pump. Put a unit wherever a fire is likely to start, Keep one ready in your kitchen, basement, bedrooms, and car. Complete with "Quick-Disenpage" wall mounting bracket and hardware. Imported. Shpg. wh., $11 / 4$ lbs.
14 R 21064


Pk. of 27.66 Net 1.55

## 295

## GARLAMO RECHARGEABLE DELUXE SPORTSTER LANTERN $26^{95}$

- Sealed Beam Light
- Powerful 13,000

Candle Power


Never buy batteries again with this smartly styled rechargeable sportsman's lantern. Portable sealed beam rechargeable lantern for camping, boating, car or home use. 13,000 candle power. Adjustable carrying handle also converts to stand, for easy recharging, cord plugs into 110 V AC outlet or lantern charges on 12 V car or boat battery. Features an adjustable handie that locks in any position. Mandsomety firished in navy blue with silver trim. Operates on nicher cadmium batteries with 110 VAC bull-in charger. Slze: $33 / 4 \times 7 \times 51 / 4{ }^{\prime \prime \prime}$ Shpg. wt., 2 lbs.

## DELUXE RECHARGEABLE FLASHLIGHT

Silm, handsomely styted, flashlight with strong spollizht beam. Never needs batteries Works on two long-lasting nickel cadmium power celts. Just remove cap and plug into any 110 V AC wall outlet for a few hours. Smartly sized, tapered body fits in purse, travel bag or brief case. Length $51 / 2^{\prime \prime}$; lens diameter $21 / 4^{\prime \prime}$. Shpg. wh. Boz.
12 R 64043
32 R 66038 PR-4 Repl. Butb Net .25 "gUPER POWER"
SEALEQ BEAM SEARCHLIGHT

- For Campers, Truckers, Hunters

Deluxe, all purpose searchlight with long range GE 4546 sealed beam. Penetrates heavy fog and the darkest nights. Operates an 4 " 0 " batteries. Chrome Iinish. Shpg. wt. $11 / 2 \mathrm{lbs}$.
12 R 64084
Net 4.95
Batteries for above. (4 required.)
99 R 62564

## DELUXE POWERHEAD LANTERN WITH EVEREADY BATTERY

Extra large power beam from huge bright chrome $43 / 4^{\text {n }}$ head. For motorists, home owners, spartsmen, campers, 6-position waming blinker arm telescopes into contour handie. Separate swriches; gleaming chrome, sturdy steel construction. With bulbs and 6 volt battery. Shpe. wt., $53 / 4 \mathrm{lbs}$.
battery Shps
12 R 4092 Net 6.95

## GARLAND "STANDBY" LIGKT

Plugs Into any ordinary AC outtet. When electricity lalis the "standby" goes on eleciricity fails the standby goes on
illuminating its area with a powerful beam. Eliminates many problems encoun. tered becauie of sudden darkness. Powered by rechargeable nichel-cadmium batteries. "Standby" incorporates lts own built-in recharger, Always ready for emergencles. You never buy batteries again, May be used as an extra powerful flashlight when and where you need It. Shpg. wt. $7 / \mathrm{lb}$.
14 月14515
Net 13.95

## FLEXBBLE MECK INSPECTION LIGHT

For use in any position. Perfect for hare to see areas in servicing TV's. Hi-Fl's. Auto and heusehold appliances. Battery powered, mith flexible chrome-olatec neck and high intensity light beam, that puts the lifht where you want it. Durable plastic case with handy metal loop for hanging. Uses $2{ }^{\circ}{ }^{\circ} \mathrm{C}$ " cells. Complete with extra bulb, Imported. Shipg. Wt., $1 / 2 \mathrm{tb}$.
13 R 27501
Net 26.95
 Operates as a Radar Beam to "See" and Detect 2\% to 4\% Smoke Obscurity - A Powerful Buzer Built-in Unit

The Model SM-S Smoke and Heat Detector contains an automatic smoke detector, automatic fire alarm sensor, and a powerful buzzer. Ideal for home, business, office. This alarm unit protects by "seeIng" smoke and "feeling" heal or fire in its earliest stages and sounding the powerful buzzer. Completely transistorized, Indicator Hght has a 70,000 hour iffe, it "feels" (senses) heat at $135^{\circ} \mathrm{F}$. Operates on less than $3^{3}$ cents of electricity per month. Size: $444^{\prime \prime}$ $474^{\prime \prime} \times 21 / 2^{\prime \prime}$. For $110-120 \mathrm{VAC}$ or $220-240 \mathrm{VAC}$. Shpg. wt., $11 / 4$ tos. 14R135i7 No Money Down*

Net 29.95

## LAFAYETTE Techni-Timer

## Discourage Prowlers

- No Special Wiring-Just Plug In
- Handles Loads Up To 1875 Watts
- Can Be Set To Skip-A-Day - 1 Year Guarantee

The Lafayette iechnl-Timer makes practically everything electrical automatic. Turns radios on and off. Does not have to be reset each night. Defrosts refrigerator, controls roaster, electric blanket, fans, coffee-makers, phonographs, etc. Turns your home lights on and off automatically while you're away. Repeats cycle every 24 hours-no need to resel. Minimum 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 sklp-a
day operation and, controlled manually with out automatic reset. Attractive design. For shelf, table or wall mounting. With 6 ff . cord, plug and receptacle for equipment to be controlled. Highest quality-we will repair any defect due to material or workmanship within 1 year without charge. Simpiy ship timer to Lafayette prepald. $5 \mathrm{~W} \times 4 \mathrm{H} \times 21 / 2^{\circ} \mathrm{D}$. Capacity 15 amps., 1875 watts, 125 v m 60 Hz . UL/CSA listed. Shpg. wt., $13 / 4 \mathrm{lbs}$.
13 R 01407
Net ea. 7.95

## LAFAYETTE PLUG-IN 24:HOUR TIMER

Automatically Turns Lights On and Off When You Are Away

Only<br><br>- Handles Up To 875 Watts<br>- Gives Your Home A "Lived-In" Look . . .<br>- Discourages Prowlers<br>- No Wiring Required

A. compact cordiess convenience .... plugs directly into wall socket. Finger-tip control allows you to set and forget it. Once desired "on and off" times are set. plug in lamp, radto, or fan, etc.-up to. 875 Watts and the automatic timer takes over. Resets automatically. Maximum "on" time-212/2 hours; minimum "on" time- $21 / 2$ hours. Highest
quality we will repalr any defect due to material or workmanship within 1 year with out charge, Simply ship timer to Lafayette prepald. Capacity: 7 Amps, 875 Watts$125 \mathrm{~V}, 60 \mathrm{~Hz}$ AG. UL/CSA Listed. Size: $23 / 4^{\prime \prime} \mathrm{x}$ $33 / 4^{\prime \prime} \times 11 / a^{\prime \prime}$. Shpg. wt., 2 bs.

13 R 01688
Net 5.85


- 1875 Watt Model Watts $125 \mathrm{~V}, 23 \mathrm{hr} .45 \mathrm{~min}$. Capacity; 15 Amps. 1875 Watts. For $125 \mathrm{~V}, 60 \mathrm{~Hz}$ with 5 ft . cord, plug and instructlons. Size: $33 / 4 \times 41 / 4 \times 31 / 2$. UL Ilsted and CSA approved. Shpg. Wt., $11 / 2 \mathrm{lbs}$. 13 月 27584

Net 9.77


## Ontermatic. <br> IW.WALL TIME-ALL* <br> $9^{95}$

- Fits into Existing

Wall Outlet or Wall Switch Box

Smartly styled wall timer with finger-tip control. Instalis easily in standard, single outlet wall box. Automatically controls air conditioners, lamps, radios, coffee makers, and any other plug-in appliance. Can also be used for wall switch operation to control porch and post lights. Resets automatically, 1 timed AC outlet and 1 AC outlet completely independent of timer. May also be used manually. Minimum "ON" time: 15 min. Maximum "OFF" timer $23 \mathrm{hr}, 45 \mathrm{~min}$. Capacity: 15 amps .125 volts, 60 Hz . Compact, only $1 \mathrm{k} / 4^{\prime \prime}$ above wall.
13 日 27576 Pearl white nousing. Shpg. wt., $11 / 2$ tbs. Net 8.95

## WESTCLOX 24 HOUR CLOCK AND SWITCH TIMER $12^{35}$

- Turns Lights, Appliances On and Off


Beautiful electric clock/timer makes any appliance completely automatic while serving as timepiece, complete with a sweep second hand. Just plug the appliance imto the fimer and plug the timer into the wall outlet for instant operation. Will repeat one on-off cycle per day without resetting or may be manually switched. Unlimited applications! Mandsomely styled wood tone case with gold color spun aluminum diat Handles appliances up to 1800 watts ( 15 amperes). For 117 VAC. UL Listed. Shpg. wt., 2 lbs.

## 13R 56500

Net 12.95


## PARAGON TIMITE MINIATURE 24-HOUR TIMER

 - Installs in Wall Switch box.- Automaticaliy Turns on Night Lights995 Yard Lights, etc.

MODEL 101 compact time control Ideal for window displays, night llghts, yard Hghts, etc. Provides one on-off operation per day with minimum setting of two hours. Has manual trip lever. 24 -hour dial is olvided into 30 minute segments for easy, accurate setting. Fits over a U.S. standard single gang handy box. size 41/2"Hx2w"Wx3y/4"D. Capacity: 15 amp. non-ind., $1800 \mathrm{~W}, 1 \mathrm{HP} .12$ amos. full load. For $120 \mathrm{~V}, 60 \mathrm{~Hz}$. UL and CSA Listed.
13 \& 17310 Shpg. wt., $1^{3 / 4}$ fos. Net 9.95


# Precision Timers for Home and Industry 



Now you can fall asteep while TV is still on! No need to wake up and turn it off. the TV Timer Control turns off your TV set automatically. Simply plug the TV into the Timer Controf, and the Timer Controf into the wall oullet. Then furn the dial to choose the utomatic "turn-off" tirie... from 5 minutes to one hour. The 500 -watt capacity mates it ideal for use with most other househotd appllances-radio. ni-fl, tape recordet, lamp, patio light, electrlc blanket, heating pad, hair dryer, etc. With $15^{\prime}$ cord. Imported. Shpe wt., 1 It.
99 国 80798
Net 4.95
AUTOMATIC PORTABLE AIR CONOITIONER TIME SWITCH


- Come Home to Cool Comfort
- With 5 ft. 3 -wire Cord and Ground Recentacle


## 5-HOUR "RINGER TIMER"



- Portable "Alarm Type" Timer
- Rings From 1 Minute to 5 Hours

An indispensable aid for your everyday liming needs-cooking, photograpiy, phone calts, etc. Loud long-ringing befl signats the end of the preset time pertod. Has an easy-to-read, crystal covered black dial with bold white numerals, gold hour dividers. and a red dial windew to show the hours from 1 to 5 . Housed in an attractively styled highimpact white plastic case. From England. Shpg. wt., $1 / 4 \mathrm{lb}$ 13 R 13501

Net 6.50


## SWISS POCKET TIMER

## - Set It and Forget lt

- Buzzes at Any Pre-Set Time up to $\mathbf{1 2 0}$ Minutes Avoid parking tickets, late appolntments, etc. Also use as a timer on phone calls, cooking. photography, etc. The $\mathbf{1 2 0}$-minute diat is marked in $\mathbf{5}$ 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., $1 / 410$.
13 R 31115 L
Net 5.95


## INTERMATIC TIMING MOTOR

Self-starting synchronous motor with lifetime Jubrication. Geared to 4 clockwise revolutions cer hour. Will retain constant speed even ender line voltage variations of $25 \%$. Torque laad 502 . In. maximum. Shaft $1 / 4$ "Lx $z_{\text {n" }}$ dia. For 110.120 volt 60 Hz AC. Shpg. wt. 7 az.
13R 27246 intermatic $W$-160
Net 4.50

## RHODES MARK-TIME SWITCHES

## (A)TIMED EXTENSION CORO

## - For Hi-fi TV, Fan

And Other Small Appliances
An automatic time switch, extension cord, convenient outlet. Timing range up to a hours. with manual "Hold" feature. Easy to operate-plug it into any wall outtet, con nect one, two or three devices to be controlled, and turn the knoo to the time period desired. At the end of time period, the elec. tricity is turned off automaticaliy. 6 -foot cord. 10 amps.-120 VAC, U.L. Ilsted. wt., 1 tb. 13 R 85012

Net 5.99

## B FOR WALL BOX INSTALLATION

A dependable and versatile time switch to automatically turn off attic fans. poreh and garage fights, window lichts, heating units, etc. at any preset time. Has special hoto feature, turn of knob cuts out timing mech. anism and allows unit to be used as a regular toggie switch. Capacity 20 amps, 225 volts AC. U.L. CSA IIsted, Satin-chrome dial 4 y 2 HK $3^{\prime} W$; switch $21 / 2 \mathrm{Hxl} 3 / 4 \mathrm{~W} \times 14 / 4^{\prime \prime} \mathrm{O}$. Fits any standard rectangular wall box. wt., 1 tb . MODEL 90024-time range up to 1 hr . 13 R 85020

Net 5.99 Model 90015-io 12 hours. Wt. 3/4 lb. 13 R 85038
C) PMOTOGRAPHIC TIME SWITCH

It's easy to control accurate timing on photographic developers. enlargers, and photo copy equipment by plugging them into the convenience outlet on this Inexpensive unit. Adjustable stop makes repeated settingseven th total darkness easy and foolproof. Times up ta 60 seconds, then automatically shuts off current. May also be used as "on. off" switch when timing is unnecessary. Rated 15 amps- 125 volts-A.C. UL and CSA listed. Shpg. wt., $11 / 2$ Ibs.
13 R 85046 Model 78174
Net 7.88

(B)

(C)
(0)

BUILT.IN INDUSTRIAL

Easily panel mounted or instalted in "a $4^{\prime \prime}$ octagon switch box using the adapter plate. May be used in coniunction with thermostats to time control zone heated areas. Versatile SPDT construction permits switch to be wired for elther "on" or "off" tyoe operation. Rated at 20 smps, $125 \mathrm{~V} / 240 \mathrm{~V}$ AC. UL and CSA ilisted. $1 / 4 \mathrm{lb}$.
13 R 8507915 min ,
Net 6.56
13 R 8508730 min . 13 R 5510360 min.

Net 6.56 ADAPTER FOR 4"Octagon Switch Box 13 R 85095 Shpg. wt., 8 oz. Net .39

## (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 boiling eges, pressure cook ing, heat and sun lamp treatment, home permanents, photo developing and printing, long distance calis, etc. Times up to 6 minutes in seconds and up to 1 hour in minutes. Exclusive 2 -speed feature permits instant timing speed change by fllch of a lever. A bell sounds ak end of timing period. Smartly styled in while with dial face a rich copper tone. $4 \times 21 / 2^{\prime \prime}$. Shpg. wi., 1 tb.

## 13 R 85053 Nodel 2130

$\qquad$ Net 5.33
F UTILITY HOUSEHOLD TIMER
This reliable, low-priced timer in a neat durable white pastic case has innumerable household timing uses, i.e., cooking, baking, home permanents, games remembering appointments. TV and rado programs, etc. Fimes any interval up to one hour accurately
(F)

# Ontermatici Time Controls - Clock Timer 



## PORTABLE INTERVAL TIMER

- Control Operating Time of Household Appliances
- Time Range: 0.60 Minutes - Minimum Setting: 1 Minute MODEL PT-301 Easy-to-use-just plug timer into outlet, connect appliance and set the large easy-to-read dial to the desired operatIng time. Appliance begins operation immediately and stops at pre-set time. White case with walnut trim. For 120 volts 60 Hz . AC oniy, 1875 watts max, UL listed. Size: $5 \mathrm{~W} \times 4 \mathrm{H} \times \mathbf{3}^{2} \mathrm{D}$. 13 R 27535 Shpg. wr., 1 ib.

Net 7.95
MODEL PT.304 Similar to above but 0-24 hours. Minimum setting
$1 / 2$ hour.
13 R 27543 Shpg. wt., 1 Ib. ....................................... Net 7.95
Net 7.95


## ELECTRIC CLOCK

 AND APPLIANCE TIMER $9^{95}$- Tells time and turns appliances on and off
Model A-401-4 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, efc. No installation problem-just plus it in and set. Capacity 1875 watts. Special alloy "T." Plaskon case $47 / 4 \mathrm{~W} \times 41 / 2 \mathrm{H} \times 21_{4}{ }^{\circ} \mathrm{D}$. 6 ft . cord. For 110 V 60 Mz . U/L Listed. Shpg. wt., $21 / 4 \mathrm{lbs}$. 13 R 27170



## TYPE T101 TIME SWITCH

Tums equipment "on" and "ofp" once in 24 hours, or from 1.12 "on" and "olf" opera. tions a day can be obtained by use of extra trippers-can be added without removing dial. Min. on or off time $1 \mathrm{hr} .$, max. 23 hours. Can be turned on or off manually with reset SPST switch rated at 40 amps. 4375 watt ca. pacity. Mounting holes and knockouts, Gray steel case. UL Listed. Operates on 110 volt $60 \mathrm{~Hz} \mathrm{AC} .73 / 4 \mathrm{~L} 5 \mathrm{~W} \times 3^{\prime \prime} \mathrm{D}$. Shpg. wt., $3 \mathrm{y} / \mathrm{l}$ bs. 13 R 27022

Net 11.34 TYPE 1103. Same as above, but with OPST switch.
13 R 27600
Net 12.64
TYPE P101. Similar to T101 except but with 6 ft. cord set and receptacie. Capacity 1250 watts. Shpg. wto, $31 / 2$ bs.

## 13 R 27030

Net 12.64
TYPE P101-300. Same as P101 but with 3-wire cord set and receptacie. Recommended for Air Conditioners. Shpg. wt., $33 / 4$ lbs.
13 R 27295
Net ea. 13.94

## TYPE T171

## "SKIPPER" TIME SWITCH

Automatically lurns equipment on or 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 trlppers supplied, but up to 11 on and off operations can be had by adding extra trippers below. With 3 skipping screws; more can be added. 1 cut out tripper advances day dial automatically. Min. on or off time 1 hour, maxlmum 23 hours, Cap. 4000 walts. $73 / 4 \times 5 \times 3^{\circ \prime}$. U/L Listed. Shpg. wt., 4 lbs. For $110-120 \mathrm{~V} 60 \mathrm{~Hz}$ AC. SPST - Skips "ON" Operation. Shpg. wt. $31 / 4$ lbs.

## 13 R 27063

Net 14.59 Type T175-SPDT. Opens one circuit and closes another. Skips either "ON" or "OFF" operation. Shpg. wt., 3y/a lbs.
13 R 27071
Net 15.89 Type P171 - Portable Plug in version of Type T171. Capacity 1250 watts (contacts 10 amps). Shpg. wt., $33 / 4 \mathrm{lbs}$.
13 R 27089

TYPE C.8301-S CYCLER TIMER Up to 12 sets of ON-OFF trippers provide repeated operations. ON operations may range from 10 sec , to $11 \mathrm{~min} ., 10 \mathrm{sec}$.; OFF from 50 sec . to $11 \mathrm{~min} ., 50 \mathrm{sec}$. Dial makes complete revolutlon every 12 minutes. Ideal for ventilating lans, pumps, process timings. efc. SPST, rated at 15 amp . For 110.125 v , $60 \mathrm{~Hz} \mathrm{AC}$. U/L Listed. Case $61 / 2 \times 5 \times 3^{\prime \prime}$ with 2 comb knockouts on bottom.
13 R 27188 Shpg. wt., $23 / 4$ ibs. Net 11.67 EXTRA SET ON-OFF TRIPPERS FCR C.8301-S 13 R 27196 Shpg. wt., 2 oz. Net .72

## PROGRAM TIMERS 1-96 OPERATIONS <br> EVERY 24 HOURS

TYPE T-1905. Designed for applications re. qulring many ON-OFF operations, Can be set for as many as 48 ON and 48 OFF operations during any 24 -hour period. Minimum "ON" or "OfF" period is 15 minutes; maximum is 23 hours 45 minutes. Ideal for control of heating, air-conditioning, ventilating. etc. Has SPDT switch. Contacts rated to handle 20 amps at 125 volts. For $105-125 \mathrm{~V} ; 60 \mathrm{~Hz}$ AC . U/L Listed. $73 / 4 \times 5 \times 3^{\prime \prime}$. Shipg. wt., $3 \mathrm{H} / 4 \mathrm{lbs}$, 13 R 27139

Net 22.07
TYPE T1975. Same as T1905 above, but has 'Skipper" feature for omitting operations on selected days. Shpg. wt. $31 / \mathrm{m}$ lbs.

## 13 R 27360

Net ea. 25.32 TYPE P1971. Portable Plug-in version of Type 1975. Contacts rated 10 amps at 125 volts 60 Hz AC. Shpg. wi. $32 / 2 \mathrm{lbs}$.
13 R 27147
Net 27.59

## 7 DAY PROGRAM TIMER

Provides a different program each day of the week, with up to 4 on-off operations per day. 3 -hour minimum between operations, 4PST rated 20 amps. per pole. $110-125 \mathrm{v} 60 \mathrm{~Hz}$ AC. Steel case, $107 / 8 \times 73 / 0 \times 3{ }^{\circ} / 9^{\prime \prime}$. Grey finish. $1 / 2^{\prime \prime}-$ $3 / 4^{\prime \prime}$ knockouts, 7 sets of trippers. U/L Listed. Shpg. wt., $63 / 4 \mathrm{lbs}$. Type V26001.
13 R27337 Net ea. 25.64 TYPE V26003. As above, but 4P: 2NO-2NC. Rated 40 amps. per Dole. 13 R 27345

Net ea. 25.64 Set ON.OFF ( 1 ea.) trippers for either above. 13 R 27352 Shpg. wt. 2 oz... Net . 50

## 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-olf" 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. $73 \times 5 \times 3^{\prime \prime}$. With 3 trippers (for 2 "on-off" Mz). For 110-125 volts, $60 \mathrm{~Hz} \mathrm{AC}. \mathrm{U/L} \mathrm{Listed}. \mathrm{Shpg}. \mathrm{Wt.}$, $31 / 4$ lbs.
13R 27048 Net 14.92 Extra Trippers for above. One Tripper for each additional "on-off" cycles. Wt.. 4 oz . 13 R 27055

Net 1.95

## "SKIPPER" 3 CIRCUIT SPRINKLER TIMER

THE INTERMATIC lawn sprinkling system time controls permit completely automatic pre. programmed watering of up to 3 rones. A 24 hour time dial can be set to initiate sprinkling any time during the day while shipper wheels serve to ellminate watering on selected days. Time durations per area are adjustable from 5 to 60 minutes. May be manually operated. Rated at 120 volts. 60 Mz , 5 amps. Gray hammertone case measuring $73 / \times 5 \times 3^{\prime \prime}$. U/L Listed. Shpq. wt., $33 / 4$ Ibs. TYPE LS. 704114 DAY SKIPPER
13R27592
Net 18.17

## SWITCH ACCESSORIES

TRIPPERS Set of ON-OFF units cone for each) for all models except T185, C8301S. T1905, P1971, T1975 and Sprinkler Timer. Shipg. wt., 302.
13 R 27097 per set
Net .50
COMB. ON-CUTOUT TRIPPER. For "Skipper" types only.
13 R 27105 Shpg. wt. 3 oz. ..... Net . 50 SKIPPING SCREW. For "Skipper" types only. 13 R 27113 Shpg. wt. 2 oz.

Net .08

# MINI- CYCLE and Fun For The Whole Family 

## DELUXE 3 HP MIIICYCLE $\ddagger$

- A Breakthrough in Minibike Design
- Features Variable Speed Torque Converter

A new concept in minibikes. Features 3 H.P. Tecumseh engine, single loop heavy gauge $11 /{ }^{-3}$ steel frame, chrome plated handiebars, reas shock absorbers, remote gas tank, Chrome wire wheels with sealed ball bearings and 17 " diameter "motorcycle" knobby tires. A nugzed. variable speed torque converter transmission with $13: 1$ :0 $4: 1$ ratio and new "cycolac" torque converter protective cover; motorcycle roller chain, Rear internal expansion brake system with $\mathbf{s}^{-}$aluminum drum. "Motorcycle" type twist throttie control; full kiekstand and poolrest. Handiebar mounted engine "stop" button. Metallic paint finish with oversized seat. $41^{\prime \prime}$ Wheel Base, $56^{\prime \prime}$ Overall, $25^{\prime \prime}$ Width; $712^{\prime \prime}$ Ground clearance. Sthpg. wt., 105 los.
13 R 68596XZ see note below
Net 239.95 a M.P. MIMICYCLE-SIMILAR TO ABOVE. ShDg. wt., 110 ibs 13 R $60604 \times 2$ see note below

Net 279.95
"FUNKART" WITH 3 HP SILVER STREAK ENGINE $\ddagger$
This "Fundart" is where it's att Heavy gauge cold-rolled steef tubular frame-Argon Sigma welded. All steel full width hub wheels with sealed ball bearings and all steel fully sutomatic clutch. Minyl coated control cable clamps and alrcraft type vibration-proof hardware assure lastind preformance. Tecumsen'Silver Streak industrial engine is rated at 3 H.P. Mack steering with chrome steel "max" steering wheel, control pedals, control rods, "nerf bars", and tie rods, Steel mini chainguard. Adjustable dual friction brakes. 62" Overall, 491/2" Wheelbase, $36 \mathrm{z}^{\prime \prime}$ Width. 4" Road clearance. Bright Metallic Blue with Vinyt Upholstery. Shog. who, 135 lbs. 13 R Gegi2xz see note below. No Money Down*.... Net 219.95
MINICYCLE AND FUNKART SHIPPED F.O.B. HACKENSACK, N. J. NO C.O.D. SHIPPING CHARGE S COLLECTED ON OELIVERY SEND FULL REMITTANCEOR USE LAFAYETTE'S EASY'PAY PLAN*

## SDECIAITY SWISS WATCHES



Double Button Chronograph Watch

- Shock Resistant

Superb Swiss made chronograph serves six timing functlons in addition to telling time. Can be used as a tachometer for measuring speed, a lelemeter for measuring the distance of sound, an elapsed limer for sports events and scientific experiments, a parking tlmer, a production timer, and a stop watch with a 30 minute register. Precision movement is shock resistant. water resistant, antimag netic, and has an unbreakable malnspring. Sweep second hand. Luminous dial and hands. Chrome case with stainless stee! back. Complete with stalnless steel band. Shpg. wt., 13 oz . 13 R 314201

Net 17.95

## Digital Calendar

## Wrist Watch

- Gives You The Hour, Minute And Date At A Glance
- Sweep Second Hand
- Shock Resistant

Digital watch shows hour, minute, and date in large, easy-to-read red and blue numerals. Great for anyone who must account for time at a glance . . . pilots, rally drivers, etc. Striking dial features sweep second hand and incorporates an automatic calendar. Precision antimagnetic Swiss movement has unbreakable malnspring. Beautlifut gold tone finish case with genuine lizard strap. Imported. Shpg. wt., 1402
13 R.31362L ...............Net 14.95


## Wrist

## Alarm Watch

- Automatic Reminder Anytime -Anywhere
- Shock Resistant

Handy Swiss made wrist alarm watch that never lets you forget appointments, parking meters, cooking, etc. Features an unbreak. able mainspring for long trouble. free wear. Antimagnetic. Smartly Iree wear. Antimagnetic. Smartly
styled gold tone case, with stainless steel back, has a luminous dial and hands for easy night reading. Sweep second hand on attractive dial face with gill numerals and markings. Complete with a genulne lizard strap. Shpg. wt., 802.
13R 31438L
Net 14.95

$29^{95}$
Deluxe 17 Jewel Double-Button Chronograph Watch

- Shock Resistant

Precision made 17 jewel Swiss chronograph is ideally suited for accurate elapsed timing of sporting events, scientific experi. ments, etc. Features a tachom eter for measuring speed, a telemeter for measuring the distance of sound and a stop watch with a 45 minute register and a sweep second hand. Accurate, dependable movement features an unbreakable malnspring Water resistant, dustproof and antimagnetic. Bright chrome case with a stainless steel back. ralsed numerals, and a genuine leather strap. Shpg. wt., 13 oz . 13 R 31131L ....... Net 36.95


PRECISION SWISS STOP WATCHES


- Accurate Jeweled Movements
- Anti-Magnetic Hair Spring
- Unbreakable Main Spring


## [A] $1 / 10$ SECOND TIMER

Designed for close timing. Large hand registers $1 / 10$ of a second, up to 30 seconds; smalf hand reads minutes, up to 15. Start. stop, and continue from crown; instant zero. 7 jewel movement. Chromium plated case. Shpg. wt., 602 imported.
13 R 31032 L
Net 12.95
Same as 13 R 31032 (above) except 1 jewel.
13 R 31024 L Shpg. wt., 6 oz. Net 11.95
[B] $1 / 5$ SECOND TIMER

- Ideal for Sports

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-jewel movement. Shpg, wt., 6 oz. Imported 13 R 31040 L
Same as 13 R 31040 (above) except 1 jewel.
13 R 31057 L
Net 12.95

## [C] TRACK TIMER $1 / 10$ SECOND

Exceltent for athletics. The second hand indicates tenths of a second and seconds, and completes one turn in 10 seconds. The small hand registers up to 10 minutes. Start, stop, and reset by successive depression of the crown. 7-jewel movement. Shpg. wt., 502 . Imported. 13 R 31065L Net 16.95

## [D] DECIMAL TIMER

Ideal for Industrial time-studies. Easy-to-read outer dial oivided in 1/100 of a minute registering up to one minute. Inner dial graduated In minutes and registers up to 30 minutes. Push button, for timing out, brings both hands back to zero. Pressures on the crown will consecutively start, stop and again start the timer. Dependable 7 . jewel movement. Swiss made. Shpg. wt., 602.

Net $\$ 3.95$

## 24-HOUR ELECTRIC WORLD CLOCK



- Adjustable for Various Time Zones - South Polar Projection

Self starting, accurate electric clock. Tells world-wide and local time, Calibrated in hours -1 to 24 , minutes and seconds-1 to 60 . Black dial with white graduations. $8^{\prime \prime}$ overall diameter. Chrome plated case. UL listed. 110 V .60 Hz . AC. Shpg. wt., 2 ibs. 13R26024

Net 10.95

Sportsman's Calendar Watch WITH WORLD TIMER

## Tells Time

 in 12 World wide CitiesAn Underwater Watch That Indicates Eapsed Diving Time

- Pressurized Water-Resistant Case
- Automatic Daily Calendar
- Parking Meter Time
- Luminous Marker and Hands


Swiss Precision Crafted Handsome wristwatch especially designed for the sportsman who is apt to get his watch wet-fishermen, hunters, or skin divers. Hermetically sealed pressurized case provides maximum protection to 5 atmespheres. Movable outer bezel determines time in 12 mafor cities around the world. Swiss crafted anti-magnetic movement features automatic dally calendar, unbreakable mainspring, and sweep second hand, Luminous hour markers and hands for high visibility. Polished chrome case, stainless back, and comfortable waterproof strap. imported. Shpg. wt., 7 oz.
13 R 31461 L
Net 11.95


Swiss Precision Crafted

Automatic Self-Winding Sportsman's Calendar Watch

An Automatic Underwater Watch That Indicates Elapsed Diving Time

- Pressurized Water-Resistant Case
- Parking Meter Time
- Luminous Marker and Hands
- Stainless Steel Band

Designed for the active sportsman! Tell the time and the date at a glance. Has a revolving outer bezel for determination of elapsed time up to 60 minutes. Perfect for skin diving, flying, pacing; even keeps time on sports rentals. Automatic self winding; no need to wind watch every day. Calendar date changes automatically. Features a sweep second hand and luminols hands and dial markers. Rugged Swiss crafted timepiece is water resistant, antimagnetic and has an unbreakable mainspring. Hermetically sealed, pressurized case provides protection to 5 atmospheres, Case is ifnished in bright chrome with a stainiess steel back and a matching stainless steel band. Shpg. wt. 9 oz.
13 R 31446 L
Net 16.95
Man's Deluxe Automatic Sportsman's Watch. Similar to above except with 17 Jewel movement and all stainiess steel case. 13 R 31453L No Money Down*

Net 32.95
PEDOMETER

- Range $0-25$ Miles
- Ideal For Hikers, etc.
- Clips To Belt


Fine quallty pedometer accurately registers distance you have walked in quarter mile increments from 0 to 25 miles. Lange easy to read dial. This precision Instrument comes with cilp for wearing on belt. Easily set, simple to use. A must for those who want to know their distance traveled. Shpe. wt., 602 : 13 R $31123 L$

Net 6.95


## CORDLESS ELECTRIC DECORATOR CLOCKS <br> AMERICAN TRADITIONAL COROLESS ELECTRIC PENDULUM CLOCK

SELECTED CLOCKS AND WEATHER INSTRUMENTS



## Only $16^{95}$

Charming replica of an old tavor The expertly reproduced in Timewood and carefully accented in walnut tones. Mottled parchment dial is in striking contrast to the large Roman Numerals. The graceful motion of its swinging pendulum completes the authenticity of this ageless favorite. Runs up to one year on a single " $D$ " cell. Size: $14^{\circ} \mathrm{H} \times 9^{\circ} \mathrm{W} \times 2^{\prime} \mathrm{D}$. Shpg. wt., 2 lbs.
13 R 30547W $\qquad$ Net 16.95 Battery for above. 99 R 63661 Net
DECORATIVE HOME WEATHER STATIONS


## Thermometer-Barometer-Humidity Meter

(A) HOME WEATHER STATION. Three accurate dial-type Instruments report barometric pressure, temperature and humidity. Finely etched precision calibrated $24 z^{\prime \prime}$ spun metal dials for easy reading. Meavy metalized finish has the warm glow of polished brass. Mounted on walnut grained panef in an ebony-grained and gold accented frame with a brass antiqued metaf finial $17^{\prime \prime} \times 7^{\prime \prime}$. For horizontal or vertical mounting.
13 R 40041 Shpg wt., $21 / 2$ lbs.
Net 11.95
(B) DELUXE HOME WEATMER STATION. Beautifut three Instrument home weather station incorporates a precise and sharply calibrated thermometer, barometer and humidity meter. Rich hand-rubbed, woodgrained finished case houses instruments and beautifully sets off spun golden, extra large, easy-to-read dials. Calibrations and markings are etched in black to stand out ctearly. $20^{\prime \prime}$ talt case may be mounted vertically or horizontally.
13 R 40066 Shpg. wt. $31 / 4$ los
Net 15.95
(c) BEGAMTIY STYLEO HOME wEATMEQ STATION. Decorator inspired home weather station. Contains 3 precision weather instruments to aecurately measure the temperature, barometric pressure, and humidity. Reset index on barometer for easy discemment of pressure tundencies. Distinctive hand-rubbed case of antique black and walnut finish with gold inlay accents. Recessed diats with gold numerats. Size: $28 \times 8^{\prime \prime}$.
13R 16108 Shpg. wt., $31 / 4$ tbs.
Net 19.95

Time comes to life . . with Deautiful decorator colors for tuning in on the "now" way to tell "time at a glance." Ideal for use on a TV cabinet, in the klichen or nursery. Provides soft Illumination and precise time in hours, minutes, and seconds. Big easy-to-read numerals in three colors. UL and CSA listed. For 110.120 V AC, 60 Mz . Size: $41 / 4 / H x 7$ "Wx $377^{\prime \prime}$ D. ShDR. wt., 3 lbs.
14 R 60039 Charcoal Brown Case/White Face/Gold Trim Net 12.95 14 R 60047 White Case/Ebony Face/Silver Trim

Net 12.95

## ELECTRIC DIGITAL TIME-ALARM CLOCK



Compact digital time-alarm clock has large, easy-to-read numerals. Unique AM-PM alarm lets you set alarm to ring only once in a 24 hr . period. Set ln the morning-li won't ring unth next moming. Illuminated numerals, for easy night reading. White plastic case, brushed chrome face, black trim. Size: $47 / \mathrm{sr}^{3} 34^{\prime \prime}$. For 110 VAC . Wt., $11 / 2 \mathrm{lbs}$.
13 in 78504
Net 14.95

# Precision Weather Forecasting Instruments 

## WINDSCOPE WIND SPEED AND DIRECTION INDICATOR <br> 



- Easy to Install
- Self-contained
- 60 Ft. Lead-in Wire

Tells wind speed or direction by 2-position knob. Self contained, mo outside power source needed. Easy to install and malntain. Outdoor parts corrosion-resistant. Attractive mahogany-finished indoor indicating unit $61 / 2^{\prime \prime} \times 5^{\prime \prime}$ Boxed with battery, 60 feet of lead. in wire and Instructions. Shpg. wt.. 7 lbs. 13R74511W No Money Down* Net 99.95
 and Direction Indicator
Complete weather information center including wind speed and direction, barometric pressure and maximum-minianum outdoor temperature. Handsome $17^{\prime \prime}$ I $12^{\prime \prime}$. Walnut panel with brass bezels ready for wall mounting. Includes wind speed and direction roof unt with $60^{\circ}$ of lead-In wire for outdoor mounting. $20^{\circ}$ of capiliary tubing for thermometer. With battery and instructions. Shpg. wt., $153 / 4 \mathrm{lbs}$.
13 ( 74503W No Money Down* Net 199.95

## WEATHER HAWK RECORDING THERMOMETER OR BAROMETER



7-DAY 胃ECORDING THERMOMETER Records ou?door temperatures on 7 -day chart. 110 volt, 60 cycle. Ranke minus $40^{\circ}$ to $+120^{\circ} \mathrm{F}$. Eight feet capiliary tubing. Black plastic base with clear cover. $13^{\prime \prime} \times 7^{\prime \prime}$. Boxed. with 13 charts, ink and instructions. Shpa. with 13 cmar
wt. $81 / 2 \mathrm{lbs}$.
13 R 74529 W No Money Down* Net 59.95
7-DAY RECORDING BAROMETER Records barometric pressure changs on 7-day chart, range 29-31 inches. Unl/ Mag movement for maximum pen motion. 110 volt 60 cycle. For altitudes $0-10,000$ feet. With 13 charts, Ink and Instructions. Shpr. wt., 5 tbs. 13R 74537W No Money Down* Net 59.95

## RAIN GAUGE

- Keep Record of Totel Rainfall
Precision rain gauge designed to give accurate rainfal! records. Unique "chisel" shape permits recordine of minute quantities. Easily operated cumulative ralnfall indicator. Scale gradusted up to 51/2 Inches. Scale in black numerals. With instructions for mounting and use, to obtain weather-sta. tion accuracy to $1 / 10$ th of an inch. Overall leagth 1C $\%$ ", width $22^{\prime \prime}$. Shpg. wt. 6 oz.


Net $1 .{ }^{2} 5$

## Duger <br> WIND SPEED INDICATOR $24^{95}$

- For All Sportsmen, Yacht Clubs, Gun Clubs, Fishing and Hunting Camps
- Great For Pilots

Wiad velocity registered by flauld filled tuhe. Callibrated in both MPM and Beaufort Scale. No calculations, reads just like a thermometer. Vane-type extarnal fittings must be mounted on outside elevated point.


Attractive gray indlcator features jet black callbrations. Supplied with 50 ft . tubing to connect outer unit to gauge, Gauge Size: $73 \times 57 / 8 \times 1{ }^{-}$
13 R 62508 Shpg. wt., 31/2 lbs. Net 24.95

## MAXIMUM-MINIMUM THERMOMETER



- READ: Present, High, Low Temp.

For weather enthusiast: gardeners-farmers, etc. Gives three readings at a glancemaximum, minimum and present tempera. tures. Self-registering-io knobs-magnets -or push bultons needed for reset. Mag. nlfying lens case for ease of reading. Maintains automatic check on temperature variations. Makes you the local weather expert. Shpg. wt., 11 oz .
13 R 16033
Net 6.50
REMOTE READING THERWOMETER, Same as above but with remote "sensor" for com. fortable indoor reading ef outdoor temperature. Includes mounting brackel and Instructions. Shpg. wt., 11 ol.
13 R 16041 $\qquad$ Net 7.95

## INDOOR-OUTDOOR THERMOMETER

Shows inside and outside temperature from the comfort of your room. Inside location ideal for quick easy reading. Single scale for instant comparison. Modern plastic case, $8 \times 21 / 2^{\prime \prime}$ ern plastic case, $8 \times 21 / 2^{\prime \prime}$
L. $48^{\prime \prime}$ long copper capil lary tube and bulb, large numerals for easy neadIng. Shipg wt., 702.


13 R 16025
Net 3.95

## POCKET THERMOMETER



Ideal for the laboratory, factory, etc. Mercury type-total immersion. White scate with bisck numerals. Sub-divided by $2^{\circ} \mathrm{F}$, PolIshed nickel-plated case; tube length $51 / 2{ }^{\prime \prime}$. Shpg, wt. 4 oz .
15 R 48015 Ranges $-30^{\circ}$ to $120^{\circ}$ F Net 2.95 15 R 48023 Range: $0^{\circ}$ to $220^{\circ} \mathrm{F}$ Net 3.19

## "SLIDE RULE" HUMIDICATOR

- Slide Rule Readings
- No Computing
- No Conversion

395
Fastest and easiest method of determining relative humidity. With the cursor (slide) set on the femperature, the relating humidity is read olrectly off the humidity graph. The "humidicstor" graph is calibrated in increments of $2 \%$. Both thermometers are calibrated in incre-
 ments of $20^{\circ}$ from $20^{\circ}$ r to $120^{\circ} \mathrm{F}$ Background colors chosen for easily readibillty, Overall sire, including cistern is $131 / 2 \times 374^{\prime \prime}$. Mounted on mahogany board with provisions for hanging. Imported. 99 R 90050 Shpg. wt. 1 1b. .... Net 3.95


CAMERA FEATURES

## - 3-1 Power Zoom \& Reflex Viewing <br> - Thru-the-Lens CdS Electric Eye <br> - Drop-in Film Cartridge Loading

Outfit Includes everything you need for movie making and showing fun. Deluxe super 8 power zoom reflex camera features thru-the-lens CdS automatic exposure contros, fast $/ / 1.8$ 3-to-1 manual or power zoom, insufficient light indicator, electric fllm drive, bullt-in type a filter, focusing eyepiece, and drop-in loading. Fully automatic 500 watt brilliance dual 8 projector has $1 / 1.5$ lens, automatic reel-to-reel thru gate threading, single knob control for forward, reverse, stlil, fast forward and automatic rapid rewind. 400 foot capacity projector


## SUPER 600 ELECTRO

 6-1 POWER- Motorized-3-Speeds
- With Ultra-Módern Servomatic CdS Thru-the-Lens Exposure Control
- Reflex Viewing


## Only

$159^{95}$
No Money Down ${ }^{\circ}$
Deluxe electric drive Super 600 Electronic reflex camera with fast electric $/ / 1.8$ lens $z 00 \mathrm{~ms}$ from 8 to 48 mm . Automatic CdS through. the-lens exposure system and micro-split focusing. Super 8 drop-in cartridge foading, no threading. Shoot 50 ft , without rewinding. Other features include film type indicator window, parallax free reflex viewing, shutter trigger with continuous run button, spotight and backight lighting control, automatic film ASA speed selector, insufficient tight indicator, remote control, single frame, adjustable eyepiece, and cable release sockets, 85A filter, battery checker, footage counter, and movie light slot. ASA Speeds: 25-400. Film Speeds: $12,18,24 \mathrm{fps}$. Imported. Shpg. wt., 3 tbs.
15 R 36770 L
Net 159.95
99 R 63703 Batteries for above. (4 req.) ...........Net ea. . 15

- Dual-For Botn Super and Regular 8
- Automatic Reel-to-Reel Threading
- 400 Foot Film Reel Capacity
includes self-contained case, film trimmer and room Hght outlet. Outfit also includes camera case, roll of GAF color movie film with processing, 650 watt seated beam movie ilght, batteries, and "Guide To Better Home Movies" book. Shpg. wt., 22 lbs. 15 R 78228 w No Money Down Net 159.95

15 R 78236L Camera Only. Shpg. wt., 21/2 Ibs..... Net 79.95 15 R 78244W Projector Only. Shipg. wt., 10 Ibs. Net 79.95


Silm and neatiy designed, the Super 50 permits you to power 200 m your movies from wide angle vistas to intimate close-0ps at the press of a button. Sharp Yashinon electric $700 \mathrm{~m} \mathbf{8 - 4 0 \mathrm { mm }} / / 1.812$ element lens dellvers crisp pictures. Thnu-the lens CaS exposure contro automatically selects the proper exposure. Bright reflex viewfinder has exposure setting indicator. Provides the convenience of power film drive and threadless cartridge film loading. Features battery tester, footage counter, remote control sochet, filter control dial, film type window and movie light slot. Film speeds: 18 and 24 fps.; single framing. Fold away pistol grip. Uses 4 penlight battefles. Imported.
15 R 36788L No Money Down* Shpg. wt., 21/4 Ibs. Net 99.95 99 R 63703 Batteries for above. (4 req.) .......... Net ea. . 15

# Deluxe Dual 8 MM Movie Projectors \& Editors 



Model 1388. Standard/super 8 mm projector combines 500 -watt brilliance and a fast $\mathbf{\$ / 1 . 6}$ color-corrected, coated lens for vivid screen viewing. Automatic threading design features Adjusto-Matic control for proper feed onto take-up reet. Accepts reels to 400 ft . capacity. Quiet, cool operation. Automatic rewind, framing control, elevation adjustment, focus conitrol, film trimmer and automatic tensioning. Handsome, self-contained carrying case with handle. Supplied with 400 ft . empty film reel. For 117 VAC, 60 Hz . Shpg. wt.,
10 Jbs . 15 R 78202 W
Net 59.95
Bell $\varepsilon$ Howell DELUXE DUAL 8 mm Zoom PROJECTOR FOR BOTH SUPER AND STANDARD 8

- Multi-Motion Feature
- Forward/ Reverse Operation
- Rugged Die-Cast Case


## $154^{95}$

No Money Down*
Automatic reet to reel threading and variable film speed control. Brilliant $\$ / 1.6,18.30 \mathrm{~mm}$ Filmovara 700 m lens assures crisp full screen viewing. Incorporates spindle adapters for super 8 reels, dial focusing, framing diat, tilt control, reverse and rapid rewind, film cufter for both super and standard 8 fim , autoload 400 ft . reel, and cord storage compartment. Motor fan cooling switch permits after show cooling for fast safe storage. Rugged die-cast construction. Self contained carrying case. For 117 volts 60 Hz . AC. 15 R 65134 W Shpg, wt., $174 / 2 \mathrm{ibs}$.

Net 154.95
baia oual 8 mm


Compact Dual 8 Reviewer for both Regular and Super 8 mm film. With Dual Track Dual 8 system and Dual Uniflex splicer, splicing tape, plus big 7 sq. in. picture area, bulit-in focusing and framing controls, frame marker and lamp switch. Has film protecting heat filter, geared $400^{\prime}$ capacity rewinds. UL Ilsted.
15 R 62008 Shpg. wt., 4 lbs.
Net 15.95

Dellili dual 8 mm Zoom Projector FOR BOTH SUPER AND STANDARD 8


Eldorade 84-AZ. Designed to run for extended periods in $100 \%$ Illuminated "still" position without burning film. Handies standard and super- 8 mm flim. Even splice the two together and run them on the same reel. Sharp, f/1.5 zoom lens assures full screen brilliance. Fea. tures quiet, automatic reel-to-reel threading, built-in film trimmer, 400 ft . reel capacity, fast rewind, tifetime lubrication, die cast alumInum body and self-enclosed carrying case with handle. For 117 VAC, 60 Hz . Shpg. wt., $101 / 2$ lbs.
15 R 52132 W
Net 79.95


DELUXE DUAL 8 mm Zoom PROJECTOR FOR BOTH SUPER


Eldorads B6.AZ movie prolector with the advanced features of variable speed control, true slow motion and forward or reverse projec. tion. $100 \%$ litumination for extended "still" projection and cool, quiet operation. With sturdy diecast aluminum case, 400 ft . reel capaclty, bullt-in automatic room light receptacle, automatic reel-toreel threading, fast rewind, buitt-in film trimmer ifetime lubrication and a self enclosed carrying case with handle. Sharp $\mathbf{~} / 1.5 \mathbf{2 0 0 m}$ lens for excellent sharpness. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$.
15 R 52140 W Shpg. wt., $121 / 2$ lbs.
Net 109.95
ATLAS.WARNER DUAL 8 mm (2):

17 sq. in, viewing area, Fllm notehes in exact frame that is being viewed: Takes reels up to 400 ft . Smooth and rapid geared rewind. Adjustment knobs for focusing and framing. Foldaway arms. Includes splicer and splicing tape. Size: $91 / 257 \times 61 / 2^{\prime \prime}$. UL listed.
is R 8.4093 Shpg. wt., $81 / 4 \mathrm{lbs}$.
Net 26.95


Designed to provide the creative flexibility demanded by professional photographers yet have the operational simplicity needed by the novice Fully automatic or manual Miranda Sensorex EE oflers a host of refined useful features including a bulit-in CdS exposure circult which automatically selects the correct lens opening for either average or spot lighting conditions. Sharp $50 \mathrm{~mm} / / 1.8$, 4 group, 6 element lens delivers superb resolving power. Features include an interchangeable pentaprism viewfinder, universal bayonet lens mount, varibale delay self-timer, depth-of-field preview, focusing down to 17", and FP $+X$ synchronized hot shoe. Focal Plane shutter speeds: B, $1-1 / 1,000 \mathrm{sec}$. EE Coupling range: EV3-18, ASA 25-1600. imported. Shpg. wt., 4 lbs. 15 R 37588 L No Money Down*

Net 269.95


A quality SLR featuring Minolta's "contrast light compensator" thruthe lens CdS metering system. Exposure "match-needles" in viewfinder respond to change in aperture and/or shutter speeds. Exposure readings not affected by light entering viewtinder. Shutter speed scale visible in viewfinder. Readings are taken with lens wide open. ASA range is $6-6400$. Features an instant return mirior; a focal plane shutter with speeds from $1-1 / 1000$ th plus $B_{;}$FP\&X synch.; auto-resel frame counter; self-timer, mirror lock, depth of field preview, and bulit-in accessory shoe. includes a $55 \mathrm{~mm} / / 1.7$ lens, case and strap. Imported. Shpg. wt., $41 / 4 \mathrm{lbs}$.
15 R 34551 L No Money Down.
Net 224.95


Fully coupled, behind-the-lens, cos exposure meter system measures Illumination at full aperature. Match needles visible in viewfinder. ASA range $10 \cdot 800$. Finder uses a microprism dot at the center for more accurate focusing and a fresnel screen for bright, edge-to-edge viewing. Fast f:1.9, 50 mm lens features bayonet mounting and fully automatic diaphragm. Camera accepts full range of Kowa lenses. Features easy-loading leaf shutter $1-1 / 500$ th pius 8 , rapid film Features easy-loading, 15 R 63055L. Shpg. wt., 3 lbs. No Money Down*...... Net 119.95

## MIRANDA

 "SENSOREX" 35MM SLR- Behind-TheLens CdS Meter
- Variable Delay SelfTimer
with case


Fully automated SLR camera utitizes cross-coupled behind-the-lens CdS meter (ASA range $25-1600$ and EV 3-18) and ultrasharp Auto Miranda lens. Match needle is set with the lens wide open. Built in shoe provided for wide range of accessories. Multi split-grid resolves into perfect charity when pin point focus is achieved. Features interchangeable lens mount, built-in self timer, instant refurn mirror, interchangeable viewfinder, and rapid advance geared $150^{\circ}$ cocking lever. Complete with built-in variable delay self-timer. Includes case and strap. Spectitications: $50 \mathrm{~mm} / / 1.8$ lens. Speeds: $B, 1-1 / 1000$ th sec. FP \& $X$ Synch. Imported, Shpg. wt., 4 lbs.
15 R 37455 L No Money Down*
Net 199.95
SENSOREX" with 50 mm f/1.4 lens.
15 R 37463L No Money Down*
Net 239.95

"Sensomat" is a truly versatile 35 mm SLR featuring a thru-the-lens CdS metering system with a narrow angle of acceptance for easier, more perfect picture taking. Match needle in the viewfinder can be centered for proper exposure by rotating the diaphragm and/or the shutter speed dial. ASA range: 25-1600. Other features include rapid loading spooi, fully interchangeable finder and lens systems, shutter speeds of $1-1 / 1000$ th plus $\mathrm{B} \& \mathrm{X}$ synch., automatic reset film counter with a magnifying lens, and a front and top shutter release for greater convenience. Focus from $17^{\prime \prime}$. Camera inciudes 50 mm t/1.8 auto iens, case and strap. Imported. Shpg. wt., 4 lbs. 15 ف 37471 L No Money Down*


Includes extra thick foam rubber protection, fully lined interior with a woven velvetlike green fabric, patented locking mechanism, thick rubber cut-outs for maximum protection for two supple. mentary lenses, velcro belt to lock camera in place, and an expanable band in lid to hold accessories. May be carried in combination or separated into two bags. Size: $13 \times 8 \times 51 / 2$; piggy-back $9 \times 5 \times 3^{\prime \prime}$. Shpg. wt., 4 lbs.
15 R 16194

 Option-CdS Meter
Just set the shutter and shoot with this fully automatic 35 mm camera. Features a cdS electric eye bullt into the lens for accurate ex. posure even when using tilters. Shutter automatically locks under extreme lighting conditions. Uses Insta Grip-loading for quick, easy film loading. Other features include rangefinder focusing with auto. matic parallax correction and fiele compensation, short stroke film advance, shutter speeds from 1-1/500th and B, M\& $X$ synch., selftimer, and an auto-reset flim counter. can be used automatically, seml'automatically or manually. Includes a fast $45 \mathrm{~mm} / / 1.8$ lens with a built-in collapsible lens shade, case and strap. Imported. Shpe. wt., 31/4 lbs.
15 R T6065L No Money Down ${ }^{\circ}$
Net 109.95


3995 - With Circular Magazine for 100 slides - Panel Focusing and Controls.
Model 125. Semiautomatic slide projector with 500 -watt lamp and a $4^{4 \prime}$ 3-element color-corrected lens for bright, clear viewing pleasure. Features an efficient blower for long lamp ilfe, cool, quiet operation and low slide temperature. Slide pre-heat to assure immediate focus. Also includes a 3 . way on/off switch, panel focus control and elevation control. Handsomely styled housing and cover are of unbreacable, lightweight Cycolac: Complete with clrcular slide maga. zine. Shpg. wt., 10 lbs.
15 R 36531w No Money Down* .. Net 39.95

- Remote ControlForward/Reverse and Micro focus
- With Circular Magazine for 100 Slides
Medel 135. Fully remote controlled, famproof projector with a sharp, 4" colorcorrected lens and a $500-$ watt lamp for brilllant screen viewing. Features a highly efficient blower for cool, quiet operation, shde pre-heat to insure immediate focus, elevation control, 3 way on/off switch, panel focus control, remote control for forward/ reverse and micro-focus. Smartly destgned, self-contained, unbreakable case. Completé with circular slide magazine. Shpg. wt., 12 lbs.
15 R 36473W No Money Down * Net 59.95


## $89^{95}$

- Remote Control for Forward/Reverse and Micra-focus
- Automatic, Electronic Focusing
Model 668, A combination of functional design and precision engineering. Features solid-state electronic focusing, brilliant $4^{-1}$ t/3.5 color-corrected lens. Remote con. trolled forward/reverse as well as remote controlied focusing. 3 -way on/off switch, 500 watt lamp, elevation and leveling controls. Whisper-quiet cooling system provides fong lamp life and fow slide temperatures, Attractive cover and housing of lightweight Cycolac for durability. Complete with one circular and one metal magazine. Shpg. wt., 15 R 36762 W Wt., $151 / 2 \mathrm{lbs}$. Net 89.95

15 R 36499 36-Stide Metal Magarine. Wi. $1 / 2$ ib

## 3SMM SLIDE SORTER

The Illuminated $11^{\prime \prime} \times 15^{\prime \prime}$ Inspection screen is large enough to see a whole tray fuli of slides (35) at one time. Falds flat in a jiffy for compact storage, bulti-in thumination with on-off switch, 6 ft . line cord; can be used with 110 or 120 volts. AC or DC. Slze: $15 \times 81 / 2 \times 812^{2 \prime}$. Shpg. wt., $13 / 4$ lbs.
15 R 36168


## AIREQUIPT SLIDE STACKER

- For All Airequipt Slide Projectors
Permits viewing of slides with. out magazines. Holds up to 40 slides at a time. You can now view/edit your sildes prior to storage in magazines. 15 R 36796 Wt.o 1 16. Net 8.95



SOLIGOR "SELECTOR" dUAL RANGE CUS METER


Take perfect readings from moonlight to bril. liant sunilght. Low range for normal conditions; high range increases sensitivity 125 X for difficult lighting conditions. Large computer dilal clearly indicates correct exposure possibilities. Accepts film speeds from ASA 6 to 6400 , "fr' stops from $4 / 1$ to $1 / 32$, and shutter speeds from 30 secs. to $1 / 2000$ th of a sec. EV scale: - 4 to +20 , Cine: $8-32$ ips. On/Off switch, zero adi., and battery test. With case, neck strap, and battery. 15 R 37562 L Shpg. wt., $1 / 2$ Ib. Net 11.95

## LAFAYETTE ELECTRONIC STROBE FLASH



- Fully Transistorized - Use

Horizontally Or Vertically

Lightweight strobe weighs under 702 , with batteries. Small size: $3 y / 4 \times 23 / 8 \times 13 /{ }^{2}$. Hot shoe adapter allows verlical or horizontal use for best flash coverage. Recycles in 7 . 10 seconds on 2 easily replaceable penlight batteries. Kodachrome II (ASA 25) guide no. of 28. Flash duration: $1 / 2000 \mathrm{sec}$. Color temperature: 6000 K . on/off switch to prolong battery life. Neon lamp signals when strobe is ready to fire. Built-in PC cord prevents loss. Imported.

99 R 71128 Shpg, wt. $3 / 4 \mathrm{lb}$. Net 9.95 " AA " Alkaline Batteries for above ( 2 req.)
99 R 63828
Net ea. . 42

## LAFAYETTE CdS EXPOSURE METER

- High Quality, Ultra-Sensitive-Measures Moonlight, Candlelight, Bouncelight
- With Padded Vinyl Carrying Strap Case and Neck Strap

Achieve correctly exposed photographs and slides from the light of a single candle with this versatile low cost Lafayette meter. Ultra-sensitive CdS photocell meter utilizes dual light ranges to accurately measure light intensity including extremely low light levels for night and available light photography plus bright beach and snow scenes. Operates comfortably with one hand. A single rocker switch controls light range and turns meter "on" or "off." Measures both reflected and incident light with buittin hemispheric diffuser. $50^{\circ}$ angle of coverage provides good averaging of subjects for proper exposure. Mas battery test swltch for maintaining accurate readings. Provision for zero adjustment. Long life mercury battery (included) assures accuracy over continuous use. Precision jeweled mechanism in high impact case. Size: $3 \% \times 21 / 8 \times 11 / 4^{" 0} 0$. With padded vinyl carrying case and neck cord. Imported. Shpg. wt., 1 lb.
99 R 719612
Net 14.95

## SPECIFICATIONS

Sensitivity: Low Range, 0.275 to 444 footcandles; High Range. 444 to 36,674 footcandles. ASA Film Speed Range: 6 to 12,000 . DIN: 9 to 42 . Diaphragm Stops: $f / 1$ to $1 / 32$. Shutter Speeds: $1 / 8000$ to 8 minutes, Movie Scale: 8 to 128 frames per second. EV Scale: -3 to +22. Acceptance Angle: $50^{\circ}$. Color Response: 6,200 Angstroms (peak). Photocell Type: cadmium sulphide. Battery: 1 mercury, RM- 625 or equivalent.

## LAFAYETTE "35" CLIP-ON EXPOSURE METER



- ASA Scale 10 to 1000 - Weighs 1 Oz.

Exceptionally convenient exposure meter. Clips right on camera-quick easy reading. Gives better, more accurate exposed pictures with a minimum of effort. Speeds $1 / 1000$ to 1 second. Lens aperture $\mathrm{f/1.4}$ to $\mathrm{f/22}$. Mounts on camera or may be hand held. Com. plete with leather case and instructions. imported.
99 R 70344 Shpg. wt., $1 / 2 \mathrm{lb}$. .... Net 5.95

## SOLIGOR MK-6 ELECTRONIC STROBE FLASH



Compactness and versatility make this unit a natural companion for all cameras. Features AC-DC operation, Has new color-corrected "Golden" Flash tube for sharp, perfectly balanced color pictures. Fuide No. 28 for ASA 25. 150 flashes with Alkaline batteries. "Redi-light". Flash duration $1 / 2000$ th sec. Coverage: $60^{\circ}$ Horizontal, $55^{\circ}$ Vertical. Recycling time: 8 sec . on batteries, 5 sec . on AC . Color temperature $5700^{\circ} \mathrm{K}$. Extra long AC power cord. Requires 2 penlight batieries for DC operation. Sire: $1 \times 21 / 4 \times 31 / 4{ }^{\prime \prime}$. 15 R 37570 Shpg. wt., i ib....Net 17.95 "AA" Alkaline Batteries for above (2 req.) 99 R 63828

## STROBE ADAPTER FOR KODAK INSTAMATIC "X" CAMERAS



Now you can adapt your Instamatic "X" camera to use an Elecironic Flash. No more flashcubes to carry about or run out of when that unexpected picture comes along. Flash pictures will seem sharper-the fast speed of the flash seemingly eliminates camera movement which can blur pictures. Simple to install. Synchronized to "X" model cameras. Has "hol shoe" and PC connection. Imported.
15 R 49633 Shpg. wt., 8 oz . .... Net 7.50

## HI-BEAM II <br> ELECTRONIC STROBE FLASH

- With Built-in Rechargeable Nicke! Cadmium Batteries and Charger


## $29^{95}$



Compact, powerful lash no larget than a cigarette pack and weighing only $81 / 202$. gives you light where and when you need th. Guide No. 40 for ASA 25 films. $1 / 3000-\mathrm{sec}$. flash duration. Operates on 110 VAC with built-in cord or its self-contained rechargeable nickel cadmium batteries. Shoot every 10 seconds with up to 60 flashes per charge. Reflector coverage is $55^{\circ}$, color temperature is balanced for all dayight and 8 \& W.and/or color-films, Size: $3 \times 1 \times 21 / 2 \times 11 / 4$.". Imported.

## Telephoto and Close-Up Lenses

## SOLIGOR LENSES FOR TELEPHOTO OR WIDEANGLE SHOTS

Interchangeable lenses designad for use with single lens reflex cam eras. Each precision lens is hard coated and fully colof corrected. Shipped Prepald Directly from Factory. No C.O.D. Send Full Remit. ance or Use Latayette's Easy Pay Plan".

## AUTOMATIC LENSES

High quality, fully automatic lenses for many SLR cameras including Canon FL; Exahta, Minotta SR series, SRT 101; Miranda F, FV, G, Sensomat, Sensomat "RE," Sensorex; Nikon; Pentax and "Topcon. Lenses have click stops, depth of field scale and manual diaphragm control when needed. Full iens versatilliy. Specity malke and model of camera.

| Stack No. | Auto Lens | Closest Facus | Net |
| :---: | :---: | :---: | :---: |
| 15 R 372812 | 28 mm t/2.8 W.A. | 18* | 69.95 |
| 15 R 374892 | $35 \mathrm{~mm} / 1 / 2.8$ W.A. | 2 | 51.95 |
| 15 R 372992 | $135 \mathrm{~mm} / 12.8$ Tele. | $6^{\prime}$ | 64.95 |
| 15 R 374972 | $135 \mathrm{~mm} / / 3.5$ Tele. | $6{ }^{\prime}$ | 49.95 |
| 15 R 373072 | $200 \mathrm{~mm} 1 / 3.5$ Tele. | $10^{\circ}$ | 84.95 |
| 15 R $37315 z$ | $300 \mathrm{~mm} / 1 / 5.5$ Tele. | $20^{\circ}$ | 99.95 |
| 15 R 375137 | $400 \mathrm{~mm} / 1 / 6.3$ Tele. | $30^{\circ}$ | 119.95 |
| 15 R 373232 | $90-230 \mathrm{~mm} / / \mathrm{s} .5$ Tele. Zoom | ( $8^{\prime}$ | 149.95 |

## AS LOW AS <br> $29^{95}$



Low cost preset lenses for limited budgets. Compact, precision optics for most SLR cameras. Full rance of focal lengths from wide angle to long telephotos to make previously "impossible" shots a reality. Specify make and model of camera.

| Stock No. | Auto Lens | Closest focus | Met |
| :---: | :---: | :---: | :---: |
| 15R373312 | $2 \mathrm{mmm} \mathrm{f/2.8} \mathrm{W.A}$. | 18' | 54.95 |
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| 15 R 375392 | $135 \mathrm{~mm} / 12.8$ Tele. | 5 | 44.95 |
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FIELD SIIE: Fleld is 4.7 to 2.0 mm for the $20 X$ 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 $500 \mathrm{X}-2000 \mathrm{x}$. Taken at 170 mm focal length. BODY: Interchangeable Binocutar tube inclined $45^{\circ}$. graduated interpupiliary adjustment, left eyetube adjusts for refractive difference between eyes. Monocular is extendable, graduated from 140 mm to 190 mm . Parfocal at 170 mm . STACE: Square stage 125 mm x 130 mm . Mechanical stage with 30 $\mathrm{mm} \times 70 \mathrm{~mm}$ range of movement with vernier accurate to 0.1 mm . Stides of practically every shape and size, Including petri dishes, can be used.
FOCUSTNG: Coarse focus by means of coaxial rack and pinion drive on dovetall slide. Fine focus by coaxial micrometer slow motion Meyer's type adjust. Graduated 1 division equals .002 mm ( 2 micron intervals).
SUBSTAGE: Rack and pinion drive. Double lens bright field condenser (interchangeable) 1.2 n.a. iris diaphragm. Filter holder, stop agalnst over-wind, 50 mm plano-concave mirror.
Satin black enamel finish. Chrome trim. $13 \mathrm{~V} / 4 \times 1 / 2 \times 51 / 4$ " overall. Net weight 22 lbs. Includes fitted cabinet of fine grained oak with lock and key, 5cc of cedar oll, spring clips, spanner, blue filter. Imported. Shpg, wt., 26 lbs.
99 R 70401w
Net 339.95


- Standard Society Size
- 20X to 1500X
- Vernier Calibrated Mechanical Stage
- Extendable Monocular Tube
- Par-focal at 170 mm Tube Length


## $189^{95}$

No Money Dowa*
Outstanding design-features unexcelled optically and mechanical. ly-and priced far below any equivalent instrument.
OPTICAL SPECIFICATIONS: FOUR coated achromatic objectives. $4 \times /$ 0.10 n.a., $10 \mathrm{X} / 0.25$ n.a.. $40 \times / 0.65$ n.a., oil immersion $100 \times / 1.25$ n.a. Three eyepleces, $5 x$ Huygenian, 10X Huygenian, and 15X periplanatic.
BODY: Extendable, monocular tube. Graduated from 155 mm to 200 mm . Parfocal at 170 mm .
STAGE: Square stage $120 \mathrm{~mm} x$ 125 mm . Graduated mechanical stage with $50 \mathrm{~mm} \times 80 \mathrm{~mm}$ 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.
SUBSTAEE: Ring type, rack and pinion drive. Double lens bright field condenser (interchangeable) 1.2 n.a.. irls diaphragm, fitter holder. stop against over-wind, 50 mm Dlano-concave mirror.
$121 / 2 \times 81 / 2 \times 51 / a^{\prime \prime}$ overall. Net weight 16 tbs. Includes fitted cabinet. sce of cedar oil, spanner, spring clips, blue filter. Imported. Shpg. wt., $19 \frac{1}{2}$ lbs.
99 R 70393 w
Net 189.95

- See Page 22 for Full Credit Details on Easy Pay Plan


## Wide Angle - Not a "Vari-Power"

One Control Zooms both barrels ! $\qquad$

- 7X to 12X—or any Power in Between
- Center Focus-Right Eye Adjust-Plus Single Synchronsus Zoom Control!
Sensational Zoom action holds even fast-moving subjects in perfect view. Sight in any suaject at 7 -power-then Zoom up to 12 -power (or any power in betwesn) for closeup viewing. Full 40 mm , objective lenses, hard coated achromats. Field of view is 323 feet at 1000 yds., at 7 power ( $6^{\circ}$ ), 289 feet at 1000 yds. at 12 power ( $5^{\left(5^{\circ}\right)}$. Prisms clamped in shoch-resistant mounts. Lightweight alloy frame and body. Sealed against dust and moisture. Includes plush-lined, hard case and straps. Imported. Shpg. wt., 43/4 1bs.
99 R 71086
Net 49.55


## DELUXE 7X35 WIDE-ANGLE BINOCULARS

## - Doubles The Field of Ordinary Binoculars

- 578 FL Field of View at 1000 Yards
- Oversize Oculars - Exceptional Quality

A multi-purpose, precise $7 \times 35 \mathrm{~mm}$ binocular that is particularly adept for field studies. Wide-angle hard coated prisms permit brilliant and close-up details of sporting events, without sacrificing the image, as is the case with regular narrow angle binoculars. Fiele of view at 1000 yards is 578 feet! Center locus and right eye adjustment insure perfect focus: All optics are sealed against moisture and are properly collimated and aligned. Hard lined case for protective storage when not in use. Complete with nech strap. Imported. Shpg. wt., 3 lbs. 99 170195

Net 29.95
Tripod adapter fits all binoculors by clambing around center post Binocular can be stored in cass with mount aftached. Fits onto any standard camera tripod. Especially adapted for high powered blnoculars. Imported. Shpg. wt., 6 oz
15 M 42059
Net 3.50


## MAGNI-BOOSTER <br> Converts Binoculars Into High-Powered Scope - Magnifies Binocular power $2^{1 / 2}$ Times ( 7 Power becomes $171 / 2$ Powerl)

Instantly converts standard binoculars into a high-powered all:purpose spotting scope with crystal clear magnification! Performs the function of usually bulhy telescopes. Increases the power of your binoculars $21 / 2$ times making it possible to spot details which cannot be seen with the binoculars alone. ldeal for slipping onto your binoculars when spotting game. cheching target hits. or other uses where critical viewing is necessary. Easily slips off for standard binocular viewing. Fits over front tens of binncutar with appropriate loching adapter (see below). Focuses with binocular controls or with its own focusing ring. Shpg. wt. 1 lb .
15R 42018
Net 18.95

| Stock No. | For Binocular Objective Rim Dia. | Net |
| :---: | :---: | :---: |
| 15R42026 | 3/4 to 2" O.D. Shpg. wt. 5 | 3.2 |
| 15 R 42034 | to 21/2" O.D. Snpg. wt. 5 oz. | 3.29 |
| 15 R 42042 | \%0" to 2\%," O.D. Shpg. wt., 6 | 3.29 |

## VERSATILE BINOCULARS

Precise tesign-quatity material-and expert workmanshig. Al lenses are lard coated-prisms clamped in lightweight alloy frame and body-sealed against dust and moisture-properly collimated and aligned all are center focus with adjustable right eyegiece. Hard lined case and neckstraps included.

7r35 POPULAR, VERSATILE, ALL PURPOSE BINOCULABS. For the sports-men-hunter-bird watcher-vacationer. High luminosity. Compact design. Fielif of view 367' at 1000 yards. imported.
99 R 70187 Shpg. wt.; $23 / 4$ lbs.
Net 18:95
7x50 NAVY STYLE NIGHT GLASSES. Favored for marine use. The choice of professionals because of exceptionally high light gathering power. Superior image brightness. Field of view 372' at 1000 yards. 39 R 70161 Smpg. wt., $33 / 4$ Jbs Imported.

Net 24.95
$20 \times 50$ KING OF TME LONG RANGE. Hunters, mountain climbers, plane spotters, forest rangers-rany long distance viewing and observation requirement. Field of view 157' at 1000 yards. Shpg. wt., 33/4 lbs. 99 日 70203 imported.

Net 29.95

## LAFAYETTE $8 \times 24$ MINI-SCOPE

- Includes 6x Super Wide-Angle (11) Objective
- Fits in Palm of Hand
- Use as Close-up Magnifying Glasses


## Only 1395



Versatile, precision pocket telescope provides powerful 8-power optics. yet slips into your pocket. Ideal for travel. hiking or nature study. For a larger field, quick-change to the 6x. extra-wide view 18 mm lens. Pulls in the action at football, hockey, and shows. 24 mm coated lens provides 435 ft . viewing area at 1000 yds .18 mm coated lens gives 575 ft , viewing area, With soft zippered case, wrist strap. Imported. Shpr. wt.. 1007.
99 म 72159
Net 13.95
$89^{95}$
No Money Down ${ }^{2}$

- Eyepieces and Earlow Lens For 450x, 300x, 225x, 150x, $90 x$ and $45 X$ - 900 mm Focal Length - Micromotion Con. trols For Horizontal, Polar, Declination $4 y_{z^{\prime \prime}}(114 \mathrm{~mm}) \mathrm{F} / 8$ Spherical Aluminized Quartz Mirror Barlow Lens Included
$41 / 2^{\prime \prime}$ spherical, aluminized quartz mirror gives wide, flat field of view and outstanding color definltion. Three coated eyepleces provide magnifications of $45 \mathrm{X}, 150 \mathrm{X}, 225 \mathrm{X}$; (with Barlow lens 90x, 300 x and 450 X ). Fast resolving power of 1.5 seconds and 900 mm focal length permits detalied viewing up to twelfth magnitude. $5 \times 24 \mathrm{~mm}$ right-angle, prismatic finder scope with cross hairs easily locates objects to be viewed. Micro-motion controls and equatorial mount with hour and decination circles provides complete control for track. ing. Heavy-duty hardwood tripod with accessory tray adjusts from 33 to $60^{\prime \prime}$. Complete with lenses. Sun glass, Moon glass, Barlow lens. Scope size: $4 \frac{1}{2} \mathbf{2}^{\prime \prime}$ Dia., $36^{\prime \prime}$ long. Imported. Shpg. wt., 30 lbs. 99 R 72183 WX

Net 89.95

## 250x Astronomical Telescope



Achleve magnification from $55 x$ to $250 x$ with the use of the $2 x$ Barlow lens included. Fully coated 60 mm achromatic objective lens provides exceptional light gathering power and very low chromatic aberration. $5 \times 24 \mathrm{~mm}$ view finder with crosshalis for locating objects quickly. Star diagonal prism for right angle viewing. Sun lens for sotar observation. Includes 2 Huygenian eyepieces, $55 x$ H 12.5 mm and $125 x$ H 5.5 mm . Mounted on sturdy wooden extension tripod with declination rod for vertical fine adjustment. Size $34^{\prime \prime} \mathrm{L} \times 60^{\circ} \mathrm{H}$. Imported. Shpg. wt., 12 lbs.
15 R 21061w No Money Down*
Net 49.95
PEN-SCOPE

$$
2^{19}
$$

- 8 Power Telescope
- 30 Power Microscope

The 8 power telescope with adjusiable sliding focus barrel that extends to over 8 inches, collapses to 51/8" and fits easlly in pocket. Barrel slips off to convert to a 30 power microscope. Nicket-plated metal case with pocket clip. Dia. only $5 / 16^{\circ}$. Imported.
99 R 71987 L Shpg. wt., $5 \mathrm{0z}$.
Net 2.19

- Eyepieces for $132,64 X$ and $32 X$
- 4" $^{\prime \prime}(100 \mathrm{~mm})$ f/8
- Aluminized First Surface Secondary Mirror

A fine, compact professionally designed $4^{-\pi}$ reflecting telescope with carefully aluminized optics for exceptionally low tight loss. Primary mirror is aluminlzed and quartz overlaid. Highly achromatic optical system features very low chromatic aberration. Adjustable wooden $48^{\prime \prime}$ tripod with tray brace and convenient optical sight permit easy field use on uneven surfaces. Rack and pinion drive assurps smooth focusing. Lightweight aluminum body has white baked enameloid finish: Specs.: Mirror Dia.: $4^{\prime \prime}(100 \mathrm{~mm})$. Focal Length: 800 mm . Eye-pieces- 6; 12.5; and 25 mm Huygenian. Resolving Power: 1.4 seconds. Supplied with stand, sun filter and three eyepieces. Imported. 99 R 72126 W Shpg. wt., $101 / 2 \mathrm{lbs}$. Net 39.95 99 R 70542 Barlow lens for double power. Wt., 6 oz . .. Net 4.95

## 45x Terrestrial Telescope

## Selected Scopes-Optical Accessories

## LAFAYETTE $8-25 \mathrm{X} 30-\mathrm{mm}$ ZOOM SPOTTING SCOPE

## - Zoom Any Power From 8X to 25X <br> - Quick Focusing With Table Top Tripod

An outstanding varipower spotiing scope that Is ideal for any "spotting" need in fleld or general use... shooters, bird watchers, etc Features 30 mm coated lens for brilliant vlewing. Fingertip controls for quick zooming and focusing. Has a bulit-in camera tripod socket. Includes a table-top tripod with rubber-tipped legs that prevent scratching of furniture. Compact, lightweight and portable... Ideal for taking it everywhere you go. Complete with black, zlppered carrying case with convenient belt loop. Overall length of scope is $12^{\prime \prime}$. imported. Shpg. wt., 3 tbs.
99 R 71920
Net 15.95
DELUXE $13-40 \times 40-\mathrm{mm}$ 200M SPOTTING SCOPE - Zoom From 13x to $40 x$ Power - 40 mm Objective Same unique design as alove but with extra power and larger $40-\mathrm{mm}$ objective. With tripas less case. Overall Length 16".
15 月 64038 Shpg . Wt., $27 / 4$ lios.
Net 21.95



## 30X, 60 mm SPOTTING SCOPE

- With Case Tripod

The parfect companion for shooting, hunting and nature fans. Field of view is 85 feet at 1000 yds.! Migh relative brilliance due to 60 mm objective lens. All optics are coated. Equipped with a $11 y^{\prime \prime}$ tripod and zippered leather carrying case. Minlmum focusing distance 60 ft . Imported. Shpg. wt. $27 / \mathrm{lbs}$. 99 R 79153

Net 17.95

- Full Size 50 mm Objective

Any power from 15X to 30x! Ideal for any "Spotting" Need. Pan-head, elevator Trlpod mount included. Perfect all round scope. Powerful small lightwelght brilliant view. ing. Minimum focusing distance 82 Ht . All aluminum and chromed brass. Imported. Shpg. wt. $43 / 4 \mathrm{lbs}$.
15R6406i

## $17^{95}$

## LAFAYETTE BINOCULAR MAGNIFIER

- Leaves Hands Free
- Reduces Eyestrain

- With 3 Lenses


Ideal for technicians, inspectors and hobbyists. Precision ground and polished lenses for very close work without eyestrain. Meadband adjusts to any head slze, Lenses can be changed with pushbutton ease for three magnifying powers. Flip up viewer may be worn over eyeglasses. Supplied complete with 3 lenses- $2 X$, for $9^{\prime \prime}$ working distance; $2.5 X$ for $51 / 2^{\prime \prime}$ worling distance and $3 X$ for $41 / 2^{\prime \prime}$ working distance. Imported. Shpg. wt. 1 lb . $9)^{2} 72058$

Net 8.95

## LAFAYETTE OPTICAL MICROMETER

- Direct measurements to .005*
- Measures Diameters - Radii - Angles
- Linear scale in inches

High quallty optical micrometer using a triplet lens system of approximatery 7 power. Iriplet system affords a wide flat field of view. Extremely accurate reticle of etched glass. 0.5 inch linear scale calibrated e. 005 inch .10 mm scale calibrated to .2 mm . hole diameters from $x_{1}$ to $\mathrm{K}_{0}$ " and from 005 to $.05^{\prime \prime \prime}$. Thickness scales from $1 / 4$ to $1 / 4^{\prime \prime}$. Radli from $1 / 4 \mathrm{in}$ to $7 / \mathbf{a}^{\prime \prime}$ and angles from 0 to $90^{\circ}$. Accurate ta edge of $1^{\prime \prime}$ field. Adjustable focus, Complete with leather case. Imported. Shpg. wt., 802.
99 R 707571
Net 7.95


## MAGNA SIGHT-MASTER 3-D BINOCULAR MAGHIFIER

- Leãves Hands Free
- Reduces Eyestrain
- 3-Dimensional
- Can be Worn With or Without Glasses

10×30mm TELESCOPE with TRIPOD

- Portable-Compact-Lightweight

10 power, 30 mm internal (front) focus telescope that is compact. Nightwelght and portable-Ideal for taking it everywhere you 30. Features coated achromatic lenses. Has built-ln camera tripod sochet. Sturdy tripod supplied with rubber-tipped legs. Minimum focusing distance 14 ft
15 R 64046 Shpg. wt., $13 / 4 \mathrm{los}$. $\ldots$ Net 8.95

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, repatrmen, inspectors and technicians. Available in 4 sizes. Imported. Shpg. wh. 902.
15 R $200551.75 \mathrm{X}, 14^{\prime \prime}$ Working Distance
Net 4.95
15 R $200632.25 X$, $10^{\text {" }}$ Working Distance
15 R $200712.75 X$. $8^{\text {" }}$ Working Distance 15 R 20089 3.5X, $4^{*}$ Working Distance

## PROJECT-A-SCOPE

- Projects Giant Pictures in Color or Black and White
- Films or Negatives Not Needed

Handsome projector molded of heat and abuse resistant, hi-impact plastic for
 long life. Casts sharp, giant-size enlarge-
ments on any white wall or screen in brilliant color or black and white. Simple to operate. Can be used by students. artists, lecturers and demonstrators. Chisdren can project comics or story books to amuse themselves and their friends. Lises ordinary household bulbs. U/L ifsted 110 volts. AC-DC. Shpg. wt., $21 / 2$ lbs.
15 R 50011
Net 6.50

# Lab and Field Research Equipment <br> 80-WATT ULTRASONIC CLEANER 



- High Capacity-1/2.Gallon Tank 80 -watt Average Output Generator
A new standard of time-saving, Immaculate cleaning. A special trans ducer located in the solvent tank is excited by an ultrasonic gener ator (at $90,000 \mathrm{cps}$ ). It sets the solvent in agitation, producing microscopic bubbles (cavitation) which disintegrate dirt particles. Soil can be removed from the finest crevices without damage to delicate parts. Ultrasonic Cleaner consists of 80 -watt pulse generator and a $1 / 2$-gallon cleaning tant. Tank constructed of stainless steel with 4A grade polish. Specifications: Input $110-117 \mathrm{~V}, 50 / 60$ cycles; Out put $90 \mathrm{kc}-80$ walts, avg., 320 watts peak. Tank, inside dim., $53 / 4^{\text {"L }}$ $\mathrm{x} \cdot 514^{\prime} \mathrm{W} \mathrm{Y} 4^{\prime \prime} \mathrm{D}$. Complete with $4^{\prime}$ connecting cable. Exterior of Tank and generator finished in baked enamel gray. See listing below for sotrents. Shpg. wt., $20 \mathrm{t} / \mathrm{lbs}$.
15 a 0.5017 W No Money. Down *
Net 149.95


## 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: 34.34463" deep, 1-pint capacity. See listing below for solvents.
I5 $85025 \mathrm{~W}^{\text {N }}$ No Money Dawn ${ }^{\circ}$ Shpg. wt. 24 tbs.
Net 99.35

## 120-WATT ULTRASONIC CLEANER

An extra high capacity cleaner widely used in electronics, automollive and other precision instrument fields. Valaable in ali areas of applied medicine. $11 / 2$ galton polished stainfess steet tank slze (inside): $12^{\prime} \mathrm{L} \times 6^{\circ} \mathrm{W} \times 6^{\prime \prime} \mathrm{K}$. Generator output: 90 KHz @ 120 watts average. 480 watts peak. With Illustrated reference manual. See listing below for solvents.
15 R B So3jw No Money Down*
Net 259.95


## 40-WATT ULTRASONIC CLEANER

 $69^{95}$Model LP-1HO. Completely self-contained easy-to-handie ultia. sonic cleaner capable of serving a varlety of cleaning applications. Automatic 5 -minute time switch turns unit off when cleaning cycle is finished. Control dial for Low and High Power Operation. Stainless Steel worttop and sides protect unit against spilts and splashes. One-Pint Stainfess Steel cleaning tank cannot be marred or harmed by any normal cleaning agent or solvent, warm or cold. Ideal for removing grease, isr, wax, sulphides, fluxes, and fingerprints from components, miniature mechanisms and a variety of other precision parts. Generator Freq.: 90 KHz ., RF input power: 40 watts. Uses no tubes or transistors. Dimensions $91 / 2 \times 5 \times 4 \mathrm{st}^{\prime \prime}$. See listing below for solvents. Shpg. wt., $71 / 2 \mathrm{lbs}$. I5: 23026 No Money Down.

Net 69.95

## ELECTROMATION SOLID STATE ULTRASONIC CLEANER

 $29^{95}$Migh frequency uftrasonic cleaner vibrates $77,000 \mathrm{~Hz}$., per second. Ideal for hobbyist, artist, draftsman. Cleans jewelry, coins, contact lens by disintegrating and dissoly. ing dirt particles. Transistorized, all metal unit with stainiess steel cleaning cup
 jewelty brush and tweezers included. 115 volts, 60 Hz . Shpg. Wt., 3 fbs. 15 : 23042

Net 29.85
Ulirasonic Cleaning Chemicals. Shpg. wt., $101 / 2 \mathrm{lbs}$. per gat.


An economical, compact, self-contained source of both short wave and long wave ultra-violet light of medium intensity. For lab, home and field use where high intensity is not regulred. Operates fromeither $A C$ house current or batteries. Easily carried-weighs only 1 16., 14 ors, Portability extends lts uses. Typical applications: fluorescence demonstrations, mineral determination, prospecting. Special circult has been designed for high efficiency, low drain operation. Tubes are easily repiaced. 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 uitra-violet radiation. Comes complete ready for use-for $110-120$ volts $50 / 60 \mathrm{cps}$. AC. Less batteries ( $2-45 V$ " $B$ "" batterles required for portable use). Battery adapter case optional. Size: $51 / 2 \times 2 \times 81 / 2^{\prime \prime}$. Snpg. wt. $41 / 2 \mathrm{~ms}$.
 Battery Adapter Case with adjustable shoulder strap. Shpe. Wi., $11 / 4$ ibs.
15 a 45052
45-Volf "8" Battery (2 required for battery operation).
32 R 48101 Shpg. wi., 2 Y/4 lbs.
Net 8.50

U/V FLUORESCENCE ACCESSORY SET
Contains 16 different items Including: Invisible water paint (4 colors), Invisible tracer powder, invisible writing ink, phosphoragram, UV transmitting and absorbing clear plastic, invisible dye, 10 yds, fluorescent elastic cort. 48-page "story of Black Lightep book of experiments. (Not illustrated). Shpe. wt., $21 / 2 \mathrm{lbs}$.
15945060



80 AMP ARC WELDING OUTFIT

- Continuous Manual Duty Cycle - 9 Heat Ranges, 20-80 Amps. Modet 80 A hardworking portable welder. Industrial type. Built for contincous welding on a wide variety of jobs for maintenance men, plumbers, steam-fitters. Repair money-saver for farm, home, garage, shop. Dual coll construction. Primary amps. 29. Power factor. $80 \%$. Arc volts. $\mathbf{2 5}$. Welded


## HEAVY-DUTY 125 AMP

Model 125A above, but super-industrlal type for fast production and maintenance, featuring 16 instant heat stages ramsing from 20 to 125 amps; handles $\mathrm{K}_{0}{ }^{\text {" }}$ to $\mathrm{K}_{\mathrm{m}}{ }^{\prime \prime}$ rods on

- Handles K" to $1 / 6^{\prime \prime}$ Rods on Work up to $1 / 4$ " thick metal cabinet $91 / 4 \times 121 / 2 \times 91 / 4^{\prime \prime}$. Complete with head shied, ground, power and welding cables, assorted electrodes, electrode holder, 3 -prong plug, ground clamp and easy instructions. Plugs into a 115 -volt line fused for 30 amps $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt.. $361 / 4$ tbs.

13 R 20514W

Net 79.95

## ARC WELDING OUTFIT

metal up to $1 / 2^{\prime \prime}$ thick. Plugs into 115 volts line fused for 35 Amps. Shps. Wt., 79 lbs. 13 R 20522 WX

Net 124.95

## CARBON ARC TORCH

increases versatility of any arc welder. $A C$ or $D C$. Welds, solders, cuts, etc., all metals. Handles up to $1 / a^{" \prime}$ carbons; use in heat ranges up to 125 amps . Two 5 ft . eables, lugs, four $1 / 4^{" \prime}$ cored carbons. Shpg. wt., 2 lbs.
13 R 20530
Net 9.95

PORTABLE ELECTRIC ARC WELDER


No Home Workshop Should Be Without One

## $\left.\begin{array}{c}\text { Complete } \\ \text { Ready To Use }\end{array}\right] 95$

- Weld-Braze-Soider-Cut
- Produces $11,000^{\circ}$ Heat Operation on 110 Volt Line

Practical, dependable unit that produces professional welding-Save time, money by making your own repairs. Cuts and welds up $1 / 4^{\prime \prime}$ metals with $1 / e^{\prime \prime}$ welding rods and $1 / 4^{n}$ carbon. Completely portable. Simple instructions explain low to make spot repalrs. Weld-braze-solder-cut on most metals. Ideal for use around home-shop-farm-even repair auto bodies. Includes welding and carbon rods. Protective mask, holders, 10 ft . H.D. cables, ground clamp, brazing rods, flux, solder and instruction manual. For 115 V AG or DC. Fused for 301 amps. Shpg. Wt, $71 / 4$ lbs. 13 R 20548 .............................. 19.95

## MINI-TORCH BLOW TORCH AND SOLDERING KIT

- Pencil Size With Pinpo int Flame-Solder-Brazes
- Kit Includes 2 Chargers


An extremely useful and highly efficient miniature blow torch A high heat. $3500^{\circ} \mathrm{F}$, pin point flame dellvers instant power. Unit is less than $7^{\prime \prime}$ long from end to end. Charged by a butane cartridge which gives 30 minutes of contineous service. May be turned on or off at any tifae. Economical throw-away car. tridges can be stored indefinitely. Entlre unit weighs approximalely 4 oz. A true portable high heat forch. Ideal for repairs on wiring-radio-TV installations-appliances-pipes and plumb. ing. Wonderful for making putty soft and workable. Supplied complete with 2 chargers, soldering thp and coil of rosin core solder. 5hpg. wt. 8 oz
13 R 45016
Net 3.95
13 R 45073 Extra,chargérs. Pkg. of 4. Shpg. wt. 7.02. Net 1.39

## MICROFLAME BBAZING ROD KIT

- For Hobbyist.

Model Maker,
Technician, etc.
Deluxe brazing kit enables you to
securely join together all the
various metals found in the home
or shop. Includes 18 silver and 6 aluminum solder rods, silver and aluminum flux, sandpaper. "Fiberfaz" board, and instruction manual. Shpg. wt., $1 / 2 \mathrm{~b}$.
14 R 42540
Net 4.95

## BRAZING ZODS

Silver Solder Brazing Rods (Phg. of 12-6" long)
Aluminum Brazing Rods (Pkg. of $6-6^{\prime \prime}$ long)
Al 42557 Shpg. wt. 4 oz.
Aluminum Brazing Rods (Pkg. of
14 R 42565 Shpg. wt., 2 oz .

- See Page 22 for Full Credat Details on Easy Pay Plan


## MICROFLAME

gas welding torch sets
as low as

(8)

WELDS, BRAZES, CUTS MOST METAIS


## Completely Self-Contained Torch Produces $5000^{\circ} \mathrm{F}$ Pin.Point Flame

## (A) Miniature Torch Set

Miniature gas welding torch for precision welding, brazing and cutling jobs. Pin-point flame produces high heat in a very selective area. Many uses in printed circuit repair, jewelry repair, shop, dental lab, tool and model making. Hand-held, lightwelght torch has selfcontained oxygen and LP cylinders which are easily replaced. Up to 20 minutes of continuous heat. Cylinders last indefinitely when not in use. Complete forch with 3 tip sizes, 1 cylinder butane, 1 cylinder orygen, paskets and instructlons. Dverall size: $51 / 4 \mathrm{Lx} 2 \mathrm{Wrl} 1 / 4^{\prime \prime}$ thick. See additional accessories at left.
14 R 42508 Shpg. wt., $11 / 4$ Ibs.
14 R 42516 Butane Cylinder (Pk. of 2)
14 R 42524 Oxygen Cylinder (Pk. of 2)
Net .99

## B Deluxe Miniature Torch Set

Deluxe miniature torch set is similas to basic torch set above but Includes 6 oxygen cylinders, 3 LP gas cylinders, spark igniter, welding tips, 10 Sllver Solder brazing rods, a two-way bench bracket for mounting on bench or pegboard, Jar of Fluy plus booklet on "How to Weld" properly. Comes with storage case, Shpg. wt., $21 / 2$ Ibs.
14 R 42532
Net 26.95
14 R 42516 Butane Cylinder (Pk. of 2) ............................. 99 14 R 42524 Ozygen Cylinder (Pk. of 2) ....................Net 1.49


## (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 -PK. Just the thing for the novice or professional. Comm pact design and built-in prefocused spoflight ellminates maneuvering difficulties. Break-proof plastic utllity 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 cholce of 100 or 140 watts with the pult of the trigger. Accessories include 3 durable soldering tips, tip changing wrench, nylon flux brush, soldering aid to facilitate difficuit connections and all purpose solder. All the ltems you need for first-class solder connections are packed in a high impact plastic case. UL Ilsted.
13 R 39159 Shpg. wt., $41 / 4$ lbs $\qquad$ Net ea, 0.95
Lots of 3
Net ea. 7.65

## 100/140 WATT DUAL-HEAT GUN

Modet a200. Dual heat solder gun only, featured in above kit. Includes tip, instruction book. $120 \mathrm{VAC} \mathbf{6 0 ~ H 2}$. Ut listed.
13 R 39142 Shpg. wt., 3 lbs $\qquad$ Net ea. 7.25
Lots of 3
Net ea. 6.25
PROFESSIONAL SOLDERING IRONS


Professional lightwelght soldering iron designed for miniature soldering, kit building and production work. Extremely rugged stainless steel barrel construction. Long life industrlat grade doubte coated tips. High efficiency. Popular pencli styiling. Only $71 / \mathbf{m}^{\prime \prime}$ long: $13 / 4$ oz. Complete with tip and 2 wire cord. For 120 Volts, 60 Hz AC , Shpg. wt., 7 oz .

|  |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
| Stack Mo. | MIg. No. | Description | 1.11 | $12+$ |
| 13R 39415 | WP-25 | tt Iron, with | 4.95 | 4.45 |
| 13 R 39597 | WP-40 4 | tt Iron, with | 5.80 | 5.25 |

## WELLER AUTOMATIC GLUE GUN KIT



The automatic electric gtue and cauth gun features rapid heat up, indicator and work light, automatic glue feed, orip proof with auto: matic flow control valve. The glue sets by cooling-instead of drying-in about 20 seconds. Firm bond in just 30 seconds. Includes 7 sticks of glue, caulk, stand and a handy case. Capacity 150 W ., for 120 VAC, 2 wire cord. Shpg. wt., $21 / 2$ lbs.
13 R 39605
Net 9.15
13 R 39613
Pkg. of 20 Glue Sticks Shpg. wt., 6 oz.
13 R 39621 Pkg of 20 Cauik Sticks Shpg wi, 6 oz. Net 1.20
[C] 240/325 WATT HEAVY DUTY SOLDERING KIT
MOOEL D.550 PR. A Professional Heavy Duly soldering Kit teaturing the dual-heat $240 / 325$ watt Weller gun. Everything needed for hundreds of applications in Hobbies, Shopwork, Household repairs. Case can be used as tool kit lunch box or tackle box. Kit contains D. 550 Solder gun. All purpose solder, Cutting Tip, Soldering Tip, Smoothing Tip, Tip Changing Wirench and Instruction Bookiet. Replacement and aecessory fips are available at low cost to fit speciai applications. Entire hit is enclosed in a high impact plastic case with carrying handle. UL Hsted. Shpg. wt., 44/2 lbs.
13 R 39187
Net ea, 14.15
Lots of 3 Net ea. 12.75
Madel D. 550 240/325-Watt Heavy Duty Soldering Gun. Ut listed Shpg. wt., $37 / 4 \mathrm{lbs}$.
13R39175
Net ea. 11.65
Lots of 3 Net ea. 10.45

## [D] 145/210 WATI PROFESSIONAL SOLDERIMG GUM

MODEL D-440. New Migh Wattage. Guns-these latest professional Model Soldering guns have everything! Increased wattage dual spot-Ittes-rugged plastic case-featherweight balance. Come equipped with cord, plug and one tip. For $110-120$ volts, 60 Hz , AC. Model D-440. Dual-heat type. $145 / 210$ watts. UL listed. Shpe. Wt., $31 / 4$ tbs. 13 R 39167

Net ea. 10.80 Lots of 3

Net ea. 9.75

## WELLER REPLACEMENT TIPS \& PARTS

## Stect Ne. Type Description Avg. shpe. wh., 9 ar. Net

13R 391917300 Copper Tip, pkg. of 2, for B, S-107, D-207 ... . 79 13 132098125 Plated Tip, pkg. of 2, for 8200, 8100 …..... . 79 13 R 39217 8125N Tip Nuts with Tip for 8200, 81008 ... 13 R 352257135 Copper Tip, pkg. of 2, S-400, D-440, 8100 13 R 392137135 N Tlp Nuts with Tip for $\$-400$, D-440, 8100

$13 R 392746110$ Cutting fip for $0.440,8100,8200,81008$ … . 79
13 R 392826120 Smoothing Tip for D.440, 8100, B8200 .......... . 75 13 1392906130 Cutting Tip for D-550, 8250A ........................ 78 13R 1930 8 6140 Smoothing Tip for D-550, 8250A ……….......... 79
11 R 393157323 Switch for all Single.Heat Models ............... 1.20
13R 193247324 Switch for all Dual-Heat Models ...........at.... 1.20
11 R 39423 ST-1 Ko Screwdriver Tip for WPS ........................ 1.00
13 R 19431 ST-2 者" Screwdriver Tip for WPS … .................... 1.00 is R 39449 ST-3 1/8~ Screwdriver Tip for WPS ………… 1.00 IJR $99530 \mathrm{ST}-4 \quad$ Kon $^{\text {" }}$ Screwdriver Tip for WPS ........................... 1.00

## SOLDERING IRON KIT



Model'SP-23-K perfect Iron for mobbyist and professional. Pencli tips permit ac curate soldering of connections or joints. Kit contains: $\mathbf{2 5}$ watt iron; 5 ft . $60 / 40$ Rosin core solder; 3 pre-tinned plated copper tips; solder aid tool and instructions.
13 R 39456 Shpg. wt., $3 / 4 \mathrm{lb}$. Net 4.15 Model SP. 2325 Watt Soldering Pencil. 13 R 39464 Shpg. wt., $1 / 2$ tb. Net 2.75 Cone shape tips for SP-23 Iron. 13 R 39548 (pk. of 2) ........ Net .79

## Soldering Guns－lrons and Aids

## LAFAYETTE SOLDERING GUN



Comforiable，contoured grip offers long periods of use without strain， 30 －watt ventilated element is just right for worting on printed circults and miniature electrenic equipment．Designed for extra long life and dependable service．Easily replaceable tip．Imported． 115 VAC．Shpg．Wt．， $3 / 4 \mathrm{lb}$ ．
99 R 10014
Net 2.19
99 R 80285 Replacement Jip．Shpg．wt．， 202.
Net ． 39

## LAFAYETTE 30－WATT SOLDERING PENCIL



Nine inches long－weighing a mere 2 oz ．less the cord－for reach－ Ing easily into＂parts－packed＂chassis．Especially suited for pre－ cision electronic wiring．Mighly stable heating assures long life． Replaceable screw－in，nickeliplated copper tip． $110-120 \mathrm{w}$ AC／DC Imported，Shpg，wt．，1／2 lb．
99 R 80277
Net 1.79
99 R 802 B Replacement Tip Net ． 39

## ORYX－TELVAC－ 15 W．MINIATURE PLUG－H SOLUERING IRON

－No Transformer
－Weighs Only 102.
Model 115．15J． 15 watt mina：ure pluz－in fron for Mght production， laboratory，and service use．Furnished with $44 / 2^{\prime}$ cord．No trans－ former．Heats quickly in about one minute to $725^{\circ} \mathrm{F}$ ．Supplied with有＂$J$ tip，Ready to plug in．For 110 V AC．
13 R 78181 Shpr．wt．， 60 az．
Net 8.95

## Turmer BLOW－JORCH KJT

Model HT－99 Everything the home handyman needs to sweat fittings，solder and bend metal．All brass torch with improved pencil polnt burner assembly，heavy duty burner tip for larger flame， chisel point solder tip．brass flame spread，spart lighter and tank of fuel．Durable steel chest．UL Iisted．6x $101 / 4 \times 3^{\prime}$ ．Wt．， 5 lbs． 13 R 26503 ．．．．．．．．．．． 85 Super capacity fuel tank． Fits all standard propane torches，stoves，lanterns， etc．Shpg， $\mathrm{wt}_{3}, 21 / 4 \mathrm{lbs}$ ． 13R 26511 ．．．．．．．．．．．．Net 1.49


## LOCKING FORCEPS



All stainless steel $51 / 2^{e}$ long．They have un－ usual holding qualities necessary in many servicing situations．Shpg，Wh， $40 z$.
14 R 23011 Straight Nose
Net 2.89
14 月 23029 Curved mose ．．．．．．．．．．．．．．．．Net 2.99

## 5 PIECE HEAT SINK KIT


－Use as a

Set of 5 spring loaded aluminum heat sinks to profect components while soldering． Includes $11 / 2^{\prime \prime}$ and $21 / 2^{\prime \prime}$ straight and bent jaws，and one $21 / 2^{\prime \prime}$ with magnetic base for use as a third＂hand．＂
14 月 15.517 Shpg．wt．， 4 oz．．．．．．．．．．．．．．．Net 1.39

## BEAU－TECH SOLDERING AIOS

Hard－chrome prated tips to shed solder with both ends insulated from one another．Spade end for scraping jolnts，connections or ream－ ing out lug holes．Shpg．wt．， 3 oz.

## stock No．

Net ea
14． 24019 Printed Circuit－Straight Tip．．． 99 14R24027 Priated Clircult－Angled TP．．． 99 14 R 24035 Priated Circult－Scraper Tip ．． 99 14R 24043 Stralght Tip ．．．．．．．．．．．．．．．．．．．．．．．． 1.19 14 R 24050 Angled Tip

## Ungar Standard Line Soldering Tools



- Fatigue-free, Pastel Colored - Convection Cooled Polypropylene Grip

711 pencli-type trons sport a cool-to-hoid trip! Spring sockets accept a wide range of thread in elements, tips and tlplets, give you the right tip and the right temperature. For exacting work on miniature, sub-miniature and printed circuits. Full length insul. ated cord. UL listed. $5^{\prime \prime}$ long. Shpg. wt., 5 ot.

| Steck Me. | 1-9 | $\begin{aligned} & \text { Hot ea. } \\ & 10.49 \end{aligned}$ | 50 and up |
| :---: | :---: | :---: | :---: |
| 13筧21860 | 2.02 | 1.66 | 1.51 |

hEATING UNITS


For use interchangeably with any tiplet except * for 800 and $\uparrow$ for 100 series only lion base, silver plated. Av. shpg. wt., 4 oz. For $115 \mathrm{~V}, \mathrm{AC}-\mathrm{DC}$.



- Interchangeable Tips \& Heating Units
- Complete with Handle. 371/2W Heating Unit, 3 Tips,


Thread-in and thread-on soidering tips. Made of super tough copper alloy. The PL series is tron clad and sliver plated, Others ape unplated. The 100 series Mini-Tips, $3 / a l x^{2} / s^{\prime \prime}$ 0.0 ., are used with 1237 and 4037 units only. The 300 series tiplets, $11 x^{2 / 6}{ }^{" 0} 0 . D$., are used with heating units $535,1235,4035$ and with the Princess soldering irons. The 800 series Tiplets, \%o"O.D. for high heat transfer, are used with the 4045 unit. 833 and $83417 / 4$ " 823 and 824 are 1"L. Avg. Shpg. wt.. 3 oz.



Worthy soldering package for electronic as sembly and service. Features perfect batance handle with "Clean-Cool" grip. "1237 heating unit. 3 Interchangeabie thread-on-copper tips. UL listed. Shpg. wt., 8 ot. 13 R 21900

1-5. Net each 5.98
6-up 4.92

## ELEMENT UNITS with TIPS

 temperature. $471 / 2$ watts for heavy duty use. Tellurlum copper base, plated with Iron and pure silver. For 115 V, AC-DC. Av. Shpe. wt. 402.

> Stock Tree Descrip fin 1. 10 - 50 13 R $2146240331 / 4^{n}$ Chisel 13.673 .012 .75 13 R 214704036 Pyramid K 3.573 .012 .75 13 R 214884039 78" Chisell 3.673 .012 .75
> 1200 Series, Ni-Neat. $750^{\circ} .800^{\circ} \mathrm{F}$ tip temperature. $37 \sqrt[2]{2}$ watts for medium duty use. Silver-plated solid Armco pure Iron. Copper itp. For $115 \mathrm{~V}, \mathrm{AC}-\mathrm{DC} . \mathrm{Av}, \mathrm{shpg} . \mathrm{wt} ., 4 \mathrm{oz}$.

## Stech Net Each 50 <br> Ne. Tyge pescrip. Fig. $\quad 49$ up

 1) R 215041236 Pyramid K 2.532 .081 .90 13 \$ $215121239 \%{ }^{2}$ "Chisel L 2.532 .081 .90
300 Series, Standand. $650^{\circ}-750^{\circ} \mathrm{F}$ tip temperature. $234 / 2$ watts for general purpose use. Tellurium copper tip. For $115 \mathrm{~V}, \mathrm{AC}-\mathrm{DC}$. Av. shps. Wt., 4 ot. .

13R $21520 \quad 533$ 1/4" Chisel J 1.751 .441 .31 13R21538 536 Pyramid K 1.751 .441 .31 13R21546539 *"ChiselL 1.751 .441 .31


Model 6750 Solid state soldering gun with easy-to-set dual heat control for fast $500^{\circ}$ or $900^{\circ}$ heat at the tilick of a switch. No changing elements necessary. Designed for solid state kit construction, servicing and the protessional. No bulky, heavy transformers to cause fatigue and get in the way. Electrically isolated tip for safe, damage. free soldering of IC's and FET's. With pyramid tip. For 117 VAC. Grounded cord set. UL listed. Shpg. wi., $11 / \mathrm{lbs}$.

13 R 20829
$\begin{array}{llll}\text { Net } & 1-3 & 4-11 & 12 \text {-up }\end{array}$
13 2082 ....................... ea. 10.95
13 R 20037 Replacement Tip 6755 (Iong chisel) 13 R 20045 Replacement Tip 6753 (short chisel) 13 R 20852 Replacement Tip 6754 (pyramid)


## Ungar <br> －Featherweight only 3 oz ．

PRINCESS MINIATURE SOLDERING IRON KITS
－Operates on 120 Volts AC／DC
－Complete with 10 Watt Capsule， 3 Copper Tips

Medel 6975 Pencli light，ilgh heat iron for critical miniature solderiag，provides flexi－ blilty in tip shapes．Heat capsules and solder－ ing nibs thread into turquoise handie with fingertip ease．Shpg．wt．， 5 oz ．

| Stack No． | 1.9 | $10-49$ | $50-\mathrm{up}$ |
| :--- | :---: | :---: | :---: |
| 13 R 21876 | 9.9 | 8.65 | 7.69 |

PRINCESS SOLDERING STATION，Model 6900. Same as hit above but with deluxe soldering iron holder equipped with sponge． 7 oz ．

## Stock No．

13R21884
$1.9 \quad 10.49 \quad 50-\mathrm{up}$ Replacement sponge for Model 6900
13 R 20795

## KESTER SOLDER AND FLUX

Unlform compound of $40 \%$ Un and $60 \%$ lead with evenly distributed and free－flowing flux． shpg．Wt．， 1 lb．spools Shpg．Wt．， 1 lo．spools
$11 / 2 \mathrm{Jbs}$ ； 5 lb．spools $11 / 2 \mathrm{lbs}$ ．

## Kester＂ 44 ＂Resie Core Solder

 14 R 32012 Kt＂Dia． 3 oz Box Net .39
 14 R 32046 K．＂Dia． 1 1\％lb．Sp．Net 2.19 14 R 32053 K＂Dia．$-6{ }^{2} \mathrm{lb}$ lb．Sp．Net 10.50 Acid Core Salder
 14 R $320781 / \mathrm{s}^{\prime \prime}$ Dia．-14 lb．Sp．Net 2.09 14 R 32087 H＂Dia．－6\％1b．Sp．Net 9.95

KESTER－＂44＂RESIN BORE SOLDER＂
Very active resin core fux．Non－corfosive and non－conductive．Easily solders zinc， brass，nichel plate and ferrous metals． $50 \%$ tin asd $50 \%$ lead．
14 R 32095 江＂$^{\prime \prime}$ Dia．－ $1 \% \mathrm{Jb}$ ．Sp．Net 2.49 14 R 32103 为 $^{\prime \prime}$ Dia． 61 Ib．Sp．Net 11.30 14 R 32111 Ko＂Dia．—1\％．lb．Sp．Net 2.59 14 R 32129 Y ${ }_{6}{ }^{*}$ Dia，$-61 / \mathrm{Hb}$ ．Sp．Net 11.80 MESTER PASTE FLUX
14R321372 oz．can …．．．．．．Net 29

## ＂SAL－MET＂FLUX



29
－Non－corrosive

A non－corrosive flux that will solder alf metals cleanly and permanently
copper to aluminum：
aluminum to aluminum，copper to steel，etc． aluminum to aluminum，copper to stee，efc．
No special treatment of metal required． No special treatment at metal rec
packed in 1 or．tubes．Shps．Wt．， 3 oz．
14R49016


14R49016 ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．Net 1.29

## MEAT 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， 3 oz.
Stoch No．Modei Tip Temperature Watts

| 13 R 21934 | 6910 | $5500^{\circ} \mathrm{F}$ to $650^{\circ} \mathrm{F}$ | 10 |  |
| :--- | :---: | :---: | :---: | :---: |
| 13 R 21892 | 6915 | $700^{\circ} \mathrm{F}$ to $800^{\circ} \mathrm{F}$ | 15 |  |
| 13 R 21942 | 6918 | $900^{\circ} \mathrm{F}$ to $1000^{\circ} \mathrm{F}$ | 18 |  |
| Net each |  |  |  |  |
| $\mathbf{1 . 9}$ | 10.49 | 50 up |  |  |
| 5.00 | 4.35 | 3.85 |  |  |

REPLACEMENT TIPS
See Facing Page For Listing Under Tiplets And Mlaitips．PL－300 And 300 Series Will Fit Princess Heat Capsules．

## PRIMCESS DE－SOLDERETTE

## Ungar



For Removal of Microminiature Components．．．Ideal for I．C．Chip Re－Work and Repair．
Fast．．．Safe．．．Efficient．
MODEL 6992． 18 watt Heat Capsule melts solder fast．Vacuum tip rated at 5.5 oz ．per sq．in．draws melted solder from board for easy removal of microminiature components． ＂Ungarized＂white coating inside and outo side of collector prevenis molten solder from sticking．Stainless steel tip with .033 aperture prevents clogging．Shpg．wt．， $1 / 2 \mathrm{lb}$ ．
$\begin{array}{lll}1-9 & 10-49 & 50\end{array}$ up
13 R 21913 Net Ea． $17.75 \quad 15.42 \quad 13.65$

## ERSIN MULTICORE SOLDER

5 －core construction assures constant maximum flux．Fast melting，non－corrosive，non－ sticky，non－toxic．1－10．packs in carton and skin wrap for utmost protection，non－oxi－ dation．Shpg．wL， 1 it spools $11 / 2 \mathrm{ibs} .-7 \mathrm{lb}$ ．spools， $81 / 4$
 lbs．
40\％TIN， $60 \%$ IEAD \＃ 16 GAUGE
14 R 35015 1\％／2 Ib．spool ．．．．．．．Net 2.99 14 R 35023 \％／4 lb．spoot …．．．．．Net 18.95
$60 \%$ TIN， $40 \%$ LEAO \＃ 16 GAUEE
14 R 35031 1 $1 / 2$ lb．spool …．．．Net 3.74 14 \＄1 $3504981 / 4 \mathrm{Ib}$ ．spool …．．．．Net 23.95 $60 \%$ TIN， $40 \%$ LEAD \＃18 GAUEE
14 R $3505614 / 2 \mathrm{jb}$ ．spool …．．．Net 3.81 14月35064 81／4 lb．spool …．．．Net 2425 DISPENSER PAKS：In flameproof aluminum tubes． $60 \%$ Tin， $40 \%$ Lead．Shpg．wt．， 4 oz ． 14 R 3507218 gauge， 14 Ft．．．．．．Net 69 Extra Thin 22 Gauge， 21 Ft ． 14 ค 35000

Net 69
G．C．SERVICE TWEEZERS


## G.C. Alignment Tools And Service Aids


(A) (B) (C) (D) (E) (F) (C) (M) (I) (S) (K) (L)


A handy, alt-purpose kit in a convenient vinyl pouch. Kit contains 6 basic essential tools from $41 / a^{\prime \prime}$ to 7 '1, with 12 servic eable sides that will service the majority of TV sets. FM, AM CB. MAM instruments, etc. Snpg. wt., 3 oz . 12 R 30028

Net 2.39

## WIRE BENOING JIG



Handibibender forms wire sizes up to $1 / 4{ }^{-2}$ dia. Steel slots and steel bending pins make basic bends such as eyes, angles. curves. clrcles, and for straightening wire. Mates dozens. of usefut and decorative articles. Complete instructions included.
14 R 70103 Shpg. wt., $1 / 2$ Ib. Net 1.19

## SEVEN PIECE LUBRICAXT KIT FOR HOME AND SHOP



Seven different lubricants in a colorful kit for home and shop. Kit stands or hangs. The right tubricant for every job. White Grease-All-Purpose Oil-Graphite Powder Dry White Lubricant-Liquid GraphitePenetrating oil-silicone Grease stich. Shpg. wt., 1 tb.
13 R 37500
Net 2.69

## 626

G. C. STANDARD T.V.
ALIGNMENT TOOL KIT

Model 8455. Contains nine essential tools roll-type case: TV K-tran, IV channel tool, TV short tool for RF and IF, TV core aligner, TV universal aligner, TV oscillator tool, TV iong reach aligner. TV duplex aligner, TV flex, tuning wand. A quallty kit-made to last and wear. Complete with case.
13 R 60817 Shpg. wt., 8 oz.
Net 6.26

## COLOR T.V. ALIGNMENT TOOL KIT



Model 8454 Five different alignment tools for all standard adjustments in color TV. Made of natural delring for extra durabillty. Includes "Extend. It" which makes each tooi a long reach aligner. Each tool is cotor coded for easy identification. Packed in vinyt pocket saver
13R61203 Shpg. wt., 4 oz. Net 2.49
CB ALIGNMENT TOOL KIT

- A Must For Every CB Owner Or Repairman

Model 9210 Nine precision adjustment tools for tuning IF transformers, WF colls, antennas, osciliator colls plus countless other fine intricate adjustments. Packaged in a durable plastic carrying case. Shpg. wt., 402.
13 R 61237
Net 4.89

## Waldom Solderless Terminals and Connectors

SOLDERLESS TERMINALS CONNECTOR ASSORTMENT WITH CRIMPING TOOLS


## Non－Insulated Type <br> Terminal Assortment

215 Non－insulated Yypes indicated by as． terisk（＂）right，plus Universal Crimping Tool． in handy compartmented plastic box．
Shpg．wi．，2\％／4 lbs．
13R43011 $\qquad$ Pet 10.85
Insulated Type Terminal Assertment 138 Insulated Types indicated by（ $\dagger$ ）right pius Universal Crimping Tool．In handy com． partmented plastic bor with hinged cover．
Shpe．wt．， $2^{1 / 2}$ lbs．
13 R43029


Highest guality terminals made of pare copper，electrotin plated． insulated types have permanently attached rigid vinyl sleeves．Crimp on rapidly and make positive，uniformly rellable connections．Column headed＂ype＂；ST is Spade Tongue；MT Is Hook Tongue；FS is Flang． ed Spade；${ }^{\text {aT }}$ is Ring Tongue；BC is Buit Connector flength of non－ insulated \％o＂．insulated＇K．＂）；ODM is Quick Disconnect Male；ODF Is Quick Disconnect Female；NI is Nyion Insulated Closed End Con－ nector．Avg shpg．wt．， 4 oz．




SELF－TAPPING SHEET METAL KIT
Contains balanced assortment of plated self－ tapping，slotted her head sheet metal screws
 $x 3 / 4^{2}$ ． $8 \times 1 / 4^{\prime \prime \uparrow}, 8 \times 1 / 6^{\prime \prime}, 8 \times 12^{\prime \prime}$ ，and $48 \times 56^{\prime \prime}$ ．Total of 165 pieces in havdy com－ partmented plastic box with hinged cover． 13 R 73190 Shpg．wt．，7／4 Ib．．．．Niel 1.95


## MACHINE SCREWS，MUTS AND SHEET METAL

## SCREW KIT

Packet as above．Contains round－head steel plated machine screws in sizes： $4-40 \mathrm{x} / 2$, $6 / 32 \times 1 / 4,6 / 32 \times 1 / 4,8 / 32 \times 1 / 2$ ，sheel metal screws．\＃6 $\times 1 / 2$ and assortment of nuts．Total of 265 pleces．Shpg．wt． $7 / 6 \mathrm{lb}$ ． 13R73208 Net 1.25
bimder meab asst．
Same as above but machine screws have tinder heads．
13 R 73216 Shpg．wt．，3／4 Ib．．．．Net J． 95

## WOOD SCREV KIT

In same handy bok．Contains assortment of 131 round head and flat head plated wood screws in 8 sues for 4． 6 and 8 holes． 13 R 73224 Shpg．wt．，3／4 Ib．．．．Net 1.95


## 1th．MIXED HARDWARE ASSORTMENT

## －In Handy Sturdy Plastic Box

An exceltent assortment of popular hardware items for serviceman，hobbyist，of any homeowner．Provides the parts for an unilimited namber of repalr jobs．Packaged In a handy plastic boz．
13 角 61245 Shpg．wt．， $14 / 2 \mathrm{lbs}$.
Net 1.39

INSULATEO TYPES

Net aty．Stock Mo．Niet 0918 13R 73784 1.09 18 13R7354 18 13 18 73a10 | 18 |
| :--- |
| 18 |
| 13 |
| 13 | $\begin{array}{lll}18 & 13 & 73436 \\ 18 & 13 & R 73 A 44\end{array}$

$\begin{array}{lll}18 & 138 & 73851 \\ 1.09\end{array}$ 9918 13 273868 i．49 18 is R 73950 i．es $f$

Fis． 0 Fis．Efic．$G$ 18 13 C 73893 1．89 18 is R 71885 i．．日9


Pig．F Fis．F
Male Female
FIg． 4 Fig． 8 Fig．$C$


## 1513日73984 1．C9

## waidom CrIMPING TOOL WITH BOLT CUTTER

## －Crimps Insulateciand Non－Insulated Terminals <br> －Cuts and Strips Wire，and Cuts Bolts

Make connections fast without soidering． Cuts and strips wire 22 to 10 gauge．Wire cutter at tip for close work．Crimps both in－ sulated and non－insulated terminals．Bolt slicer accommodates 6 sizes of bolts， 4.40 ， $5-40,6-32,8-32$ ． $10-32$ and $10-24$ ．Black oxide finish for beauty and durability．In－ sulated handles．
13 R 44001 Shpg．wt．，$/ 4 / 16$ ．．．．Net 5.25
CRIMPING TOOLS
AND TERMINALS

$2^{49}$
－Wire Cutter． Wire Stripper －Includes Assortment of Terminals Solderiess terminal crimp tool cuts any size wire up te 10 gauge，strip wire easily．Crimps terminals quickly．Easy to use with insulated handles． With assorted soldertess terminals and con－ nectors．Imported．
13 R 70006 Shpg．wt．，1／4 Ib．．．Net 2.49

## PRECISION OILER

$99^{\circ}$

instrument for precision oiling．Spout is only $.003^{\prime \prime}$ dia．Made of staintess steel and butyrate．Filled with clear，non－staining ma－ chine oil．Can de refilled．Hypo action pre－ vents messy，harmfol over－oiling． 14 R e3106 Shpg．wt．， 3 oz. ．．．Net .99

Lafayette Cat．No． $720 \quad 347$


FLEXIBLE SHAFT ATTACHMENT


- With $1 / 4^{\prime \prime}$ Chuck $2^{95}$
Operates off any fixed or portable power drill; enables you to drill at any angle any. where. Capacity up to $1 / 4^{\prime \prime}$ size drills; $36^{*}$ overall length, with chuck. Operates on speeds up to 6000 rpm . Imported. WL, $11 / 2$ lbs.
13 R 56112 Coupler to use with motor below. 32 R 64124

Net 2.95
HOBBY MOTOR
Net .30

For motorizing hobby tools, dental and jewelers lathes, sewing machines. $1 / 15 \mathrm{~h} . \mathrm{p}$. motor- 5000 RPM fult toad and 15,000 RPM no load speed. CCW rotation facing shaft end. Steel housing - $31 y_{2}^{\prime \prime}$ long, less shaft, $x$ $21 / 4$ "H $\times 23 / 4$ "W. Two tapped $10-32$ mount. ing holes on $21 / 0^{\prime \prime}$ centers, $1 / 4^{\prime \prime}$ shaft, $3 / 4^{\prime \prime}$ long. Fan cooled, permanent oillte bearings, and external brush openings. 12" cord lead. For 117 V AC or DC.
19 R 24109 Shpg. wt., 2 Ibs. .... Net 7.50
8-PC. BRUSH AND STONE SET


8 -assorted pieces mounted on $1 / 8^{\circ}$ or $3_{2}$ " shanks. Consists of 3 mounted grinding stones, 2 bristle brushes, Ideal for hobby tools. In handy plastic box. Shog. wt. 4 oz .
13 R 50024
Net 2.29


DREMEL MOTO-TOOL ACCESSORIES
(A) Model 223 Universal Stand. Leaves both hands free for holding the worh. Adjusts to hold Moto-Tool at any angle. Quick action clamp for receiving and releasing MotoTool. Heavy cast iron base.
14 R 43092 Shpg. wt., 34/bs. Net 7.95
(B)-Model 229 Router Attachment. Easily mounted on Moto-Tool. Has calibrated depth control adjustment for precision routing and shaping. Removable edge gulde for free hand and surface routing. Instruction in-
cluded. 14 R 43159 Shpg. wi., $11 / 2$ lbs. Net 8.95 HIGH SPEED STEEL ROUTER BITS No. $6501, \mathrm{a}^{\prime \prime}$ Straight Cutter Bit 14. R 43167 Shpg. Wt. 3 oz ..... Net 2.95 No. $652 \mathrm{~K}^{\prime \prime}$ Stralght Cutter Bit 14 R 43175 Shpg. Wt., 3 oz. ... Net 2.95 No. $654 \mathrm{y} / \mathrm{m}^{\prime \prime}$ Straight Cutter Bit I4 R 43183 Shpg. wt., 3 oz..... Net 2,95 No. 680 Convex Edger For Beading 14 R 43191 Shpg. wt. 3 oz. ... Net 2.95 No. 632 Veining Bit for Lle Work 14 R 43209 Shpg. wt. 3 oz.... Net 2.95 No. 640 " V " Grooving Bit For Lettering
14 R 43217 Shpg, wt., 3 oz. ... Net 2.95
12-PC. ROTARY STEEL CUTTER SET


Selected assortment of 12 steel burrs of different shapes. Tempered tool steel for use on metal, plastic or wood. $1 /{ }^{\prime \prime}$ " and Ho" shanks, in
handy plastic box. Ideal for hobby tools. Shpg wt. 3 or.
13 R 50032
Net 2.49 VARIABLE SPEED FOOT CONTROL


Regulate the speed of the motor in your sewing machine, hobby tool, etc. Handles up to 110 watts. $10-1 t$ cord with 2 -way outlet-for motor and light. 1 amp.
12 R 54010 Shpg. wt., 2 lbs.
Net 3.95

6.PC. MOUNTED STONE SET


Six assorted grinding stones and wheels. Set of mounted grinding points, stones, and wheels. Mounted on $1 / \mathrm{s}^{\prime \prime}$ and $k$," shafts. An ideal accessory for hooby tools. Shpg. wt.。 402.
13 R 50016
Net 1.95


DREMEL DELUXE MULTI-PURPOSE MOTO-SHOP

- 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

Modeł 572 Lightweight, compact portable multi-purpose workshop with $15^{\prime \prime}$ ik saw. Flexible accessory shaft attaches directly to power takeoff from motor for drilling, grinding, routing, sharpening, deburring and carving; has oilless bronze bearing, instant action wrenchless chuck, and neoprene cover. Accessories include: 3-sanding discs, grinding wheet, cloth buifing wheel, wire brush wheel, wheel guard, mounting bracket, 12 -plece set, and 4 -saw blades. U.L. Listed. $117 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Shpg. wt., 17 lbs. 14 R 43068W

Net 49.95

# UNIMAT Miniature Machine Shop 

The ALL-PURPOSE 5-in. 1 MAETAL.MACHLNING WORKSHOP


Model DB-100n 3 jaw universal tathe chuck with reversing jaws key and back plate. Shpg. wt., It
14 R 10133 Net 29.95
SPECIFICATIONS: Complete $5-\ln -1$ machine shop small enough to use on a radio serviceman's bench. Designed as a multi-functionst power toof. Converts from horizontal athe to vertical dritl press. The changeover causes ho wear or foss of accuracy in precision fit parts. The motor-headstock detaches for use as a portable hand drill, power grinder or buffer. Extra attachments avallable include a very accurate circular saw, saber and jig saw, flexible shaft. lathe bed power feed, threading attachaent, precision collets and cutting tools. Belt drive provides 11 speess ranging from 900 to 7,200 RPM. Motor can also be controlled by theostat foot switch of 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, toof post, 2 dead centers, 1/4" Jacous chuch and key. Allen wrench roughing tool bit, and a spindle piaturn spring. $171 / 2 \times 1012 \times 5 \mathrm{y} \mathrm{a}^{*}$ wood chest. 40 -page manual. For $115 \mathrm{VAC} / 0 \mathrm{C}$ operatign. imported. Shpg. wt. $241 / 4$ tbs.
14R Toi41w
Ne: 149.50 14 R 10025 Wt. $24 / 405$ Model DB-1010 Machine Vise: jaws open 11/2". Mounts cross sllide or mill table. Shpg. wt., 1 lb . 14 R 10034 Net 11.50 Model D8-2820: Set of 6 lathe Tool Blts. 14 R rooss Net 12.95

Model DB-2860 Tool Kit: 2 tool blts, 4 drills. 2 grind wheels. 2 milling cutters center drill and countersink bits. 2 chisels, boxed. 14 R 10042 Shpg. wt., I 16. Net 19.95 Model DB-1290 Power Feed Attach: 1:50 reduction, feeds .0008" per revolution. Shpg. wt. $4 y / 4 \mathrm{Ibs}$.
14 R 10067
Net 29.95
Model D8-1002 4. Jaw Independent Chucl; capacity $21 / 4^{\prime \prime}$.
14 R 10075
Net 29.95
Model D8-1080 $\mathrm{Hg}_{\mathrm{g}}$ Saw Attach. Cuts to center of $16^{\circ}$ " circle. 12 blades incl. Shag. who, 5 lbs.
14 R 10117 Net 24.95

## Sabre-Lathe Multi-Purpose Shop Tool



Dise or Drum Sander Buffing or Pollshing Horizental Drill

A home shop tcol that will exclte the Interest of every home crafts. manl Powerful, 3 -speed motor provides plenty of drive for every operation. . . umit 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 stablilty. Lathe has $18^{\circ \prime}$ bed, $4^{\circ \prime}$ throat, can be used for spinde or face plate turning. 115 volt, approximately is h.p. motor, AC only, output speeds 3,700 . 3,300 and $3,100 \mathrm{rpm}$. With Illustrated instruction befollet. Mounted on $32^{\prime \prime}$ I $6^{\prime \prime}$ board. Shpg. wt., $171 / 2$ lbs.
13 R 36502W No Money Down*
Net 31.95
X-acto CORDLESS POWER DRILL SET $5^{95}$

- Drills Wood, Metal, Plastics
- Grinds, Drills, Carves Polishes


Model 376. Powerful, versatlie, efficient. Folish-deburr-carve-grind drill, with new ease! Complete with center punch, grinder, drilf bit and 3 precision collets. Orills plastlc, wood, Igght metal. In handy styro foam holder. Embossed case, Less batteries.
13R 74248 Shpg. Wt., $3 / 4$ lbs.
Net 5.95
99R62572 "C". Batterles for above; 2 req. .......Net ea. . 16
Replacement blates that fit all X-ACTO tools. SMALL BLADES
Avg. shpe. wt., 1 or.
No. 11 for fine angle cutting: deep cuts, narrow spots.
13 R 74073 \& 11 , pke. of 5 $\qquad$ Net . 51
No. 24 for close comer cuts: templates, mats, trimming.
Net 4.50
-
 13 R 74164

13R74123 \#24, pke. of $5 \ldots \ldots$.......... Net . 5 ?

## Electric Tools For the Gardener and Hobbyist



## BVI ELECTRIC PENCIL ENGRAVER

-Writes On Metal-
Wood-Plastic

- No Heat-Vibrating


Point Engraves Keys-Tools-Toys-Jewelry Handy, useful . . . mark, identify and engrave names, design decorator effects on lugeage tags, toys, sporting goods, tools and kitchenware. Automatic with built-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 7200 strokes a minute. Lightwelght $7 \times 3 \times 2$. $110 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$ motor. 13 R 80542 Shpg. wt., 1002.

Net 6.50

## DREMEL ELECTRIC ENGRAVER

- Writes Like A Pencil
- Calibrated Stroke Adjustment

Model 290 heavy duty engraver provides a fast permanent method of marking all types of materials. High speed reciprocating motor dellivers 7,200 strokes a minute with a calt brated adjustment that regulates the depth of engraving from fine lines to deep marks. Engrave steel, brass, aluminum, copper, siiver, plastic, ceramic, glass, pewter, identify dies and molds, shop and garden tools, production parts, sporting goods, camera equlpment, jewesry, ett. Minimize inventory mixups, theft, and loss, Complete with solid carbide engraving point.
14 R 43142 Shpg. wt., 1 12/2 Jos. Net 12.95


## BURGESS VIBRO-TOOL KIT

- Versatile Multi-purpose Tool
- Files-Saws-CleansCarves De-burrs-
Engraves-Cuts Grooves - Complete With 8 Accessories


## $19^{95}$

Performs many operations on nearly any kind of material with its accessories Features motor control switch plus dial setting for engraving depth. Heavy- duty 2 -speed motor delivers 3600 and 7200 strokes per minute. Rugged nylon housing. Molded plastic case with accessory storage area. Complete with accessories: Carbide tipped engraving point, knife blade, saw blade, half round ehisel $1 / 2$ inch toot, half round chisel $1 / a^{*}$ ". V-shape chisel, flat edge chisel and abrasive point. Shpg. wt., $2 \sqrt[2]{2} \mathrm{lbs}$.
13 R B0575


Nt 19.95

## Black s Decker double-tdged blade SHRUB AND HEDGE TRIMMER

- Large 13" Double-

Edge Blade


- Front 'Wrap-Around'

Handle for Easy Balance
Model 8810 (U-175). Cuts smooth and fast with periect control at any angle. Deep blade pockets grip and cuf foliage fast, efficiently. Adjustable 'Wrap. Around' handle for steady, accurate control, plus 'Sure-Grip' hande with convenient fingertip switch. Strong lightweight die-cast aluminum housing. Durable orange enamel finish. 3600 strokes per min., 120 VAC, $60 \mathrm{~Hz}, 2.2$ amps. Shog. wt., $61 / 2 \mathrm{lbs}$.

Net 17.99


12 R 68721 HEDGE TRIMMER ATTACHMENT
50 - Lock Into Place With

750 - Lock In

Converts any $1 / 4^{* \prime}$ drill into an easily handled hedge trimmer. Cuts, trims and shapes hedges and shrubbery. Extra long $14^{-}$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 welght-compact. Wt., $21 / 2 \mathrm{lbs}$. 13R50156

Net 7.50

## PLANER ATTACHMENT

A professional tool with hardened and ground carbon alloy steel cutter. Perfect balance and comfortable handie for easy use. Instant, positive depth adjustment and $13 / 4^{m}$ wide cut. Dlagonal shearing action planes easily with or acposs grain. For 1/4" or $3 / 8{ }^{n}$ drlll. Shps. wt., 2 lbs.
 14 R 62530

Net 4.95


## WHIZ2-DISC $2^{50}$

- Will Cut or Shape Anything Including Steel


Cuts through the thickest materials-steel, brick, plastics. Superhard silicon carbide particles embedded in tough resillent fabric form a shatter-proof, safe-to-use disc. No teeth to catch work and bind or kickback. Also removes paint, rust, shapes stone, metal. wood and plastic. Can be used on hand drill for close quarters. Complete with instructions. 7" Whir Disc, $5^{\prime \prime}$ backing pad, $1 / 4^{\prime \prime}$ arbor and Hange washers. Shpg. wt., $3 / 4 \mathrm{lb}$.
14 R 14358
Net 2.50
WHIIZ-DISC for Portable 2 Bench Saws, 7 " dia. Shpg. wt., 402 .
14 R 14366 1 $2^{\prime \prime}$ bore
Net 1.79
14 R 14374 *" bore
Net 1.79
Net 1.79

## Power Sanders Grinder Planer Router

HEAVY DUTY 4" BELT SANDER

- Powerful 7.5

Amp motor

## $34^{95}$

Madel 72510. A powerful betw sander for every sanding job. Rugged gear drive moves 1500 surface feet per minute. Unique snap-sock on front roller for easy belt changing, vacuum cleaner hoak-up provided for dust pick-up. Die cast aluminum housing, locking trigger switch. Uses standard $4 \times 213 / 4^{* *}$ belt. E motor with ilfe-time lusricated bearings. 3 -cond. cord. For 120 y 50 Hz AC. UL listed.
I3R 36601 Shpg. wt., 123 lbs. .............................. Net 34.95
Sanding bets for Above Shas. wt., 4 oz.
13 R 36619 40 Grit, Coarse
13 R 3662760 Grit, Medium
Net .99
13 R 3663580 Grit, Fine
Net 99

## RNM

- With Cutting Guide

Motel RG0: For hobbyists, trame repalimen. Easy-to-make smesoth cuts with or against the grain for fine intaying, cabinetry, cornicing. Does beading, grooving, roulting. fluting, cove-cutting, dove tailing. features threading base with cosi-
tive lever-locking depth of cut adjustment: veneer cutting gulde and wrench included. $1 / 4^{\prime \prime}$ chuck uses standard router bits. Height $8^{\prime \prime}$. For 120Y, 60 Hz ACC , 20,000 RPM curting speed, UL listed. Shog. Wt., 6 ibs. 13 R'710e7 No Money Dow Net 31.95
4.PC, Router Bit Set. Inctudes $1 / 4^{\prime \prime}$ \& $1 / 2^{\prime \prime}$ straight blts, $1 / 4^{\prime \prime}$ core blt,

13 R 71137
Net 9.35

TWO-WAY ELECTRIC SANDER


- Orbital or Straight Line
- Positive Slide Switch


## - K." Stroke Orbital or Straight

## Heavy-duty electric sander with $k_{0}^{\prime \prime}$ orbital or straight line stroke.

 Features 2.0 amp . universal series mound motor. Heavy-duty ball bearing and self-lubricating sleeve bearings. Pad size: $3 \mathrm{~K}_{0} \times 7 \mathrm{H}^{\circ \prime}$; sand-paper size: $32 / 3 \times 9{ }^{-1}$. Assorted grit paper included. Industrial milror finish. 6 ft . 3 -cond cord. For $120 \mathrm{~V}, 60 \mathrm{~Hz}$. AC. UL jisted. 13 R 71020 Shpg. wt., $54 / 2 \mathrm{lbs}$. Net 19.95
## WEW 2-SPEED SANDER POLISHER

- Powerful 1/2 H.P. Motor - Burnout-Proof Armature - Sands Metal and Plastics

Model 940: Combines two handy tools - a sander operating at 3400 RPM and an efficient oot-
 Isher at 1800 RPM. As a sander, you gef the right combination of high speed and oversize sanding oiscs, Has perfect balance . . . auxiliart grip handle for right or left hand use, Tool rest, Extra iarge wool polishing bonnet permits working around and over edges. UL and CSA Listed. For 117 VAC. 13 R 651 No Money Down ${ }^{\text {t }}$ Shpg. wt., $93 / 4$ Ibs.... Net 37.95

## 1 QUICK-SAND <br> VERTICAL PORTABLE SANDER POLISHER

- Sands, Grinds, Polishes, Sharpens: Metal, Steel, Wood, Plastics
- Portable
- For Any $1 / a-1 / 3$ H.P. Motor; With $1 / 2{ }^{2}$ Shaft
Safe, versatlle. Sharpens everything -from razors 10 plowoshares. Belt
 high. With $1^{m} \times 42^{\circ}$ abrasive belf, 50 grit.
Shpg. wt., $113 / 4$ lbs.
12 R 18502 Less Motor ........Net 21.85
Sanding Belts for above
12R 18510 50, Grlt Heavy... Net . 89
12 R 10528120 Grit, Medium Net .a9
128 Ie536 220 Geit, Fine .... Net . 69


## ${ }^{195}$



Black \& Decker $5^{\prime \prime}$ BENCH GRINDER

## Mghatic <br> $00 \mathrm{SO}^{2}$ <br> ELECTRIC PLANER

## $27^{95}$



## - Adjustable

Guide
Permits
Planing At
Any Desired Angle
Does a professibinal job of planing! Easily adjustable planing depths of $1 / 1 \sin ^{\prime \prime}$ and $1 / 2{ }^{\prime \prime}$. 2 hardened steel, adjustable culting blades may be removed for sharpening, adjustable fence and angle gulde may be removed for planing flush into corner. Burn-out protection. Motor develops te ho. (industrial pating). Spindle spoed $14,000 \mathrm{rpm}$ with double race ball bearings. Die-cast aluminum housling. With 3-cond. cord. For $115 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC. shpg, wt., $7 V_{4}$ lbs.
13 R 36585
Net 27.95


7114" BUILDER'S SAW

- $11 / 2$ HP Burnout Protected Motor
- 5200 RPM No Load Speed 10 Amp Motor
- UL Listed

Model 574 Tackle the "big" jobs, with this dependable 71/4" builders" saw. Reinforced die-cast housing that really stands up. Cuts $2 \times 4$ 's with ease, at $45^{\circ}$ angle. Easy set bevel and depth adjustments. Safe non-binding blade guard with vari-torque safety clutch. Sawdust ejector keeps your work clean, lets you see what you are doing. 71/4" combination blade and blade wrench. Powerful $112^{\prime \prime}$ HP motor is designed to be trouble free. Cutting depth: $90^{\circ} 23 \%^{\prime \prime}, 45^{\circ} 1 \%{ }^{\circ} 10$ amps. UL listed. 120 volts AC, 3 wire cord and plug. Shpg. wt., $111 / 2$ tbs. See rip fence below.

13 R 69263
Net 29.99
13 R 69123 Rip Fence Net 2.25
Carrying Case for Above Saw 13 R 69370 Shpg. wt., $53 / 4 \mathrm{lbs}$.

Net 11.95


Dependable power saw provides reserve power to cut thru $2 \times 4$ 's with ease. Powerful 10 amp ., 5400 RPM motor. Cuts up to $2^{\prime} \mathrm{K}_{0}{ }^{\prime \prime}$ vertically and $24 / 4^{\circ \prime}$ at $45^{\circ}$. Balanced for one hand operation. Features heavyduty bronze bearings, floating blade guard, and easily set depth and angle adjustments. With combination blade included. For 120 VAC, 60 Hz. 3-cond, power cord. UL listed. Shpg. wt., 13 lbs.

- UL and CSA Listed
- 10 Amp. 5400 RPM Universal Motor R 71376 W

Black \& Decker 2-HP $8^{\prime \prime}$ RADIAL ARM SAW


- Cuts Full $27 / 0^{-}$Depth
- Powerful 2 HP Roller Bearing Motor

Madel 7700, Precision built for superb cutting accuracy . . . makes rip cuts, crosscuts, bevel and miter cuts. Roller head rides on ball bearings for accurate cutting every time. Anti-kickback lever holds board to prevent chatter, Large ( $22^{\prime \prime} \times 32^{\prime \prime}$ ) warp resistant work table allows out-ripping with blade located over table. Up-front bevel adjustment with easy-to-read scale and automatic $45^{\circ}$ setting plus up-front elevation control permits fast, simple set-ups. Automatic posllive locking position for $0^{\circ}$ to $45^{\circ}$ bevel; $0^{\circ}$ and $45^{\circ}$ mifter, and $90^{\circ}$ ripping position. Maximum depth of cut $2 \%$ "; maximum depth of cut at $45^{\circ} 1 \% 0^{\circ}$; features miter and bevel scales, rocker type, up. fromt onfoff switch with key lock for added safety. Constructed of extra-strong one piece tubular steel column mounted directiy to base for rigidity. $120 \mathrm{VAC} ; 2$ MP max.; 5200 RPM ; 10 amps.; $8^{\prime \prime}$ blade with leg stand. Shpg. wt., 90 lbs.
12 R 90022 WXM No Money Down* $\qquad$ Net 99.95 Modet R-6024. 6" DADO HEAD SET. FLAT GROUND. (2 Blades, 4. Chip
 12 R 68705 shpg. wt., $31 / 4 \mathrm{lbs}$. Net 22.99 $59^{95}$

- 2 HP-10 Amps.
- With Oregon "Omark" Chain and Bar A powerful top quality chain saw designed for professional or industrial use. This rugged, multi-purpose tool will also do dozens of jobs for the home craftsman, carpenter, contractor, or on the farm. Positive chain adjustment ellminates slack. Chain travels at 2650 feet p/minute for fast, true cuts up to 10 inches deep. Cool running quiet hellcal cut gears in a sealed grease chamber. Self lubricating bearings. Beautifuly balanced, weighs only 12 lbs. 10 Amp. 2 HP motor. 120 VAC. UL and CSA listed. Shpg. wt., 15 lbs. 14 R 48042W No Money Down* $\qquad$ Net 59.95

-See Page 22 for Full Credit Details on Easy Pay Plan


# Selected Jig and Sabre Saws 



- Heavy-Duty 2.9 Amp-1/4 RP Motor

Model F-8: A rugged, multi-purpose sabre saw. Can be used as alp. crosscat, ilf saw. hack saw, band, coping, keymole and scroll saw. Easily cuts $2 \times 4$ 's, plywoad, plastic, composition board, aluminum ane a:host of other materiats. Powerful 3 amp . NA. $\mathbf{~ H . P}$, motor with a bulli-in cooling systers, produces 3500 'Ko" long strokes per minite. Adjustable base. Bevel cuts from $0^{\circ}$ to $45^{\circ}$. "On/ Off" slide-switch. With wood cutiling blade. For 120 V ., 60 Hz AC , Ut listed. 13 R 71160 Shpg. wt., $41 / 4 \mathrm{lbs}$. Net 12.95 Wood Cutting Blades, Pkg. of 6 .
13R 11176 Shpg. wt, 4 ozs. Wet 1.75 Metal Cutting Blades, Pkg. of 3.
13R71186 Shpg. Wt., 2 ozs. Net 1.39

## WBM DELUXE 2-SPEED IIG SAW



- Double Insulated For Extra Safety - Powerful 2.6 Amp 1/2 HP Motor

Medel 501 double insulated jig saw with 2 speeds, 3000 and $2400 \mathrm{Y} / \mathrm{ac}^{\prime \prime}$ stroker per minute. Husky shoeplate adjusts $45^{\circ}$ left and right; forward for plunge cuts and bacitward for close to wall cuts. Fully enclosed handie. tacludes 3 -blades and rip guide. 2.6 amp . motor, 120 VAC. Shpg. Wt., $33 / 4$ lbs. 13 R 65394

Net 19.95

## HENVY-DUTY VARIABLE SPEED SABRE-JIG SAW



- "Dial Control" Any Speed From 0.5200 S.P.M.
- Cuts Thru Wood 6" Thick

Electronic dial variable speed control lets you use this one sool for any cutting job. cuts through $\mathrm{m}^{\sim}$ logs, $6 \times 6^{\circ}$ lumber, metai pipe, masonite practically any material. Makes its own starting hole. Low speed for steel and plastics, medium for non-terrous metals, high for rip or cross-cut. Bevel cuts to $45^{\circ}$. Features a 5 amp . $1 / 2 \mathrm{MP}$ General Electric motor. With 6' 3 -cond. cord. 5 assorted blades ant rip gauge. For 120 VAC, 25-60 HZ. UL listed Shpe. wt., $6 \mathrm{~J} / \mathrm{h}$ los. 14 R 48059

Net 29.95

## WEN <br> 2.SPEED ALL-SAW

## 3095 - Heavy-Duty 1/2 HP Motor <br> No Money Down*

Model 9090. "Souped-up" heavy dutytast cutting-1/2 HP saw for every tind of sawing. Cuts metals up to $1 / 2^{\prime \prime}$. Cuts pipe and thinwall up to 2 Cuts curves, circles and straight lines. Cuts $2 \times 4^{\prime \prime} \mathrm{s}, 4 \times 4^{\prime} \mathrm{s}$ and $6: 56^{\prime} \mathrm{s}$. Makes its own starting holes. Motor fan 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 special cutting. Powertul 6 amp 120 VAC motor. $34001^{\prime \prime}$ SPM. UL listed. 18 R 65014 Shpg. wt., $91 / 4$ Ibs. Net 39.95

SAW TABLE FOR wen "gos" \& "9090" Heavy duty table fer straight, circle. curve, bevel, and angle culs. Size: $18 \times 18 \times 81 / 2^{\prime \prime}$ 13 R 65055 Shpg wt. 161/4 lbs. Net 11.95 EXTRA 日LADES FOR WEM Madels "gos"" 9090 "- ${ }^{4}$ " 521 ". Plo. of 3. Shpg wt.. 5 or. \#11 $71 /$ \%"-Very fast rough cuts.

13 R 65063 fast roagh culs. \# 92 31/2"-Fast roagh cuts
13 R 65071 \# 93 2 $2 \mathrm{y}_{4}^{\prime \prime}$ Medium cuts.
 13 R 65097 \#96 $3 y_{4}{ }^{\text {" }}$-Migh-spzed steel. 13 R C5113 ................................ 1.95 t97 33/4"-High-speed. ertra fine \#97 $33 / 4-1$ High-speed. extra fine
13 65121 zsoe. One each of above blades plus knife blade. Pkg. of 7.
13 R 65139 Net 3.59
Net 1.95 Net 1.59 Net 1.39 Net 1.39


Easily cuts Initricate scroll work . . . saws wood up to $\%$ " thici, asphait, rubber and plastic floo or wall tiles. aluminum and IIght metals. Ideal for moboyists, carpenters, and craftsmen. The thin fast cutting blade saws so smootaly, no sanding is required. Mighspeed reciprocating motor produces 7,200 strokes per minute. For 120 V . AC 60 Hz UL Hsted. Shpr. Et. 3 los. 14 R 43027
Pkg, of 10 replacement blades for ibove.
14R 43035 Shpg. wt. 3 ozs.
Net 11.95

> - Jacobs Geared Chuck \& Key

- 2.5-Amp UL Listed Motor

Model F-11 popular drill or all-around home and hobby use. $1 / 4^{*}$ geared chuck drill rated at full 2.5 amps. UL Ilsted. $1 / 4$ " cspacity In $s$ teel, $1 / 2^{\prime \prime}$ in hardwood. 1200 RPM speed under full load; 2000 RPM no-load speed. Precision anti-friction bearlings. Automatic Irigger swlich. Speciafly designed gear train for maximum torque transfer. For 115 volts, AC/DC. Shpg. wt., 31/2 lbs.
13 R 71012


## 50 Piece Power Workshop

## WITH 3/8" VARIABLE TRIGGER SPEED CONTROL DRILL



DELUXE VARIABLE MOTOR SPEED CONTROL

- Varies Speed on AC-DC Motors from 0 to Full RPM

- 3-Position Switch: Variable-OFF-Full Speed

> Perfect for all workshop power tools and home appllances. Use with drills to start holes, saws to extend blade life, polishing at low speeds etc. 3 -position switeh. Variable, OFF and Fuli permits maximum speed control, with Universal (AC-DC) or DC motors rated to 8 amps. Has automatic breaker surge protection. Input l20y AC only, 3 wire line cord. Black aluminum case, $45 / 6 \times 21 / 2 \mathrm{~W} \times 11 / 3^{\circ} \mathrm{D}$. Shpg. wt. $11 / 4 \mathrm{lbs}$. 13 R 27014

> Net 12.95

A rugged, powerful $3 / /^{\prime \prime}$ drill for tough drilling jobs around the house and shop. Features double reduction gears for maximum torque. No load speed 1000 rom . Capacity 3/3" in steel, $1^{\prime \prime}$ in wood Ball thrust bearing takes the full drilling load. Weided commutator leads prevent motor burnout. Geared key chuck, 3-conductor power cord. Bright linish. For 120 VAC, $50-60 \mathrm{~Hz}$.
13 R 36551 Shpg. wt., $42 / 2$ lbs.
Net 12.95

## Black \& Decker

## $3 / 8^{\prime \prime}$ VARIABLE SPEED DRILL WITH SPEED LOCK

- Orill Locks At Any Speed From 0-1000 RPM

Model 7\$20 heavy duty drill features double reduction gear system for full torque drilling action. Gearing and chuck able to handre bigger, totgher jobs. Lets you lock trigger at any selected speed suited to the job. Ideal for driving screws. Improved $1 / 6 \mathrm{hp} 2.5 \mathrm{amp}$. burn-out protected motor. Capacity: $3 \mathrm{~m}^{\prime \prime}$ steel, $3 / 4^{\prime \prime}$ hardwood. Pol ished aluminum housing with rugged Man-Grip handie for greater comfort and control. For 120 VAC. UL Ifsted. Shpg. wt., $34 / 8 \mathrm{Ibs}$. 12 R 68739

Net 22.88


Model 457 double insulated Drive.R-Drill for safety-Two-prong plug elliminates the need for any adapter. Squeeze the trigger for more speed and torque, Lock it for any desired constant speed without pressure. Powerful, 3 amp , super burnout protected motor; large chuck capacity for drilling, driving, and removing applications, Double reduction high torque hellcal gears give extra torque, steady power. Removable side handle. Heavy duty geared chuch with key. $6 \mathrm{ft}, 2$-wire cord and plug. For 120 VAC, 60 Hz . UL listed,

13 R 69396 Shpg. wt., $41 / 2$ lbs.

## 3/8" VARIABLE SPEED



## DOUBLE <br> INSULATED COMPACT DRILL

## - Solid-State Magnetic MotorDiode Circuitry

Double-Reduction Gears
A power drill that is so light, rugged and powerful . . . so comfortable! Revolutionary fast-back design features balanced power and lightweight materials, Welghs only $17 /$ tos $!$ ingen. lous use of polycarbonate housing


95 Net $\mathbf{3 6 . 9 9}$ makes this drill virtually indestructs
 varlable speeds from 0.1200 rom . - iode magnetic motor ofrers fult wave rectifier with highly efticient energy fula quality features Include iffe-time lubricated spherical bearings, and industrial quality commutator, 18 -blade wind tunnel fan, double reduction gears, plus induction-hardened armature pinion. For 120 VAC., 60 Hz .
13 R 53242 Shpg. wt., 31/4 Ibs. No Money Down* .. Net 31.95

# Popular Power Drill Accessories 

## 14 Pc. HIGH SPEED ORILL SET with CENTER PUNCH



- 13 Sizes K $0^{\prime \prime}-1 / 2^{\prime \prime}$ Plus Center Punch - Hang on Pegboard Mount on wall or Stand on Workbench

 center punch for accurate placement of drill. Convenient, high impact plastic case stands on workbench or mounts easily on wall or pegboard. Has built-in shelf for holding penclis or additional drill bits, chuck keys, etc. Shpg. wt., $12 / 4 \mathrm{los}$.

Net 11.95


## 13 PC. HIGH SPEED DRILL SET WITH CENTER PUNCH Made in U.S.A.

 - 12 Sizes: $1 / 16^{\prime \prime}-1 / 4^{\prime \prime}$Precision ground hien speed drills and center punch placed in unbreakable flexible plastic case which opens and closes tike a book! Orill sizes: $1 / s^{-1 / 4}$ ". Handy center punch assures exact position of drils hit.

## 13 R 18500 Shpg. Wt. 8 oz.

Net 5.95
10-PIECE HIGH SPEED DRILL SET
High quality. high speed tool steel "hot-iwisted" for berfect-uniformity, "isoperm"" heat treated for remarkable toughness. These twist drills keep cutting much longer than conventional drills. Made in Italy. Sizes Ko to $14^{\prime \prime}$. In Plastic Indexed Case, Shpg. wt.. 6 oz.
12 R 47501
Net 3.50

## 29-PIECE DRILL SET WITH STAND

- Sizes $1 \mathrm{ha}^{\prime \prime \prime}$ to $\frac{1 / 2 "}{}{ }^{\prime \prime}$

Prectsion ground chrome alloy steel twist drills with indexed stand, Gun black finish. Sizes Ko" to $1 / 2^{\prime \prime}$ by 64 th. Sizes larger than $1 / /^{\prime \prime}$ have turned down shanks. Imported. Shpg. wi., $21 / 2 \mathrm{lbs}$.
13 R 55775
Net 9.95


Simple and safe to use, makes perfect circles in wood in seconds. Use with any electric drill to cut speaker holes, vents, pipes, celling lights, ete. 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., $1 / 2 \mathrm{Jb}$.

## 12 月 41009

Net 5.95
HEAVY-OUTY IMDUSTRIAL COMPASS CUTTER. AS above except cuts up to 18 inch circular holes in fiberglas. $2^{\prime \prime}$ wood plank, sheet metal, $1 / 4^{\prime \prime}$ aluminum and taminated plastics. Special router bit has drill point allowing you to bore center and radius hole. Shpg. wt., 1 it.
12 R 41017
Net 7.95


## TWIST ORILL SHARPENER

- Sharpens Drifls from Ko" to $1 / 2$ "

Fits any $1 / a^{\prime \prime}$ or larger electric dritl. $3^{3}$ aluminum oxide grinding wheel. Sharpens any blt up to $1 / 2^{\prime \prime}$ dia. Also has adjustable tool rest for sharpening chisels. knives, scissors. etc.
14 R 14093 Shpg. wt., $3 / 4 \mathrm{lb}$.
Net 1.99

# Black a Decker aUTOMATIC DRIL BIT SHARPENER <br> - Operates Like a Pencil Sharpener $15^{99}$ 

Automatically precision sharpens dull or broken high speed steel twist drill bits (not carbide tipped). Bits need no oll or lubri-
 $3 / 2,1 / 4,1 / 2, K_{0}$. $11 / 2$, and $3 / 8{ }^{\prime \prime}$. Double-insulated tor maximum user safety. $1 / 7$ H.P.. 1.9 amps., $120 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Shpg. wt., $51 / 2$ los.
12 R 68747
Net 15.99

## UNIVERSAL DRILL PRESS STAND

$12^{95}$

\author{

- Adjustable Depth Stop <br> - Adjustable Cradle <br> - Spring Return Tension <br> - Adjustable Depth Gauge Dial
}

Drill stand can be used with any $14_{4}^{\prime \prime}$ or $3 / 6^{\prime \prime}$ drill or $1 / 2^{\prime \prime}$ compact. Converts hand drill to powerful lever operated drill press. Rach and pinion gear feed and spring ieturn mechanIsm plus depth adjustment, Base drilled for bench or truck mounting. $21 / 2^{\prime \prime}$ stroke, 5 to 1 teverage. Overall height: $20^{\prime \prime}$. Base size: $53 / 46^{\prime \prime}$. Shpg. wt., 8 lbs. 14 R 62555

Net 12.95


## 6.PC. SCREWDRIVER BIT SET <br> 

- Fits All Electric Screwdriver And Variable Speed Drills
Versatile set provides a variety of blts and finders to speed-up assembly and service work. For slotted and Phillips head screws. Kit In. ejudes 3 -slotted bits and finders for screw sites 6-8, 8-10. 8. 10-12, 3 -Phillios bits No.'s $1,2,8,3$. All have $1 / 4^{* \prime}$ Hex shank. Shpg. wt., 5 ozs. 14 R 79047


Keep your drill and accessories organized and ready to use with Drill-Mate, the portable organizer. Molds any $1 / 4^{\prime \prime}$ or $3 /^{\prime \prime}$ drill. Handy and convenient to use, the Drill-Mate has a 25 hole drill bit IndexK"" to $\mathbf{y}^{\prime \prime \prime}$, a retractable handle for easy access, handy pockets for tools, discs and accessories, and iwo utility drawers. Hi-lmpact polystyrene construction.
13 R 76268 w Shpg. wt., $23 / 4 \mathrm{lb}$.
Net 3.95

# Selected Accessories For Power. Drills 

## SCREWDRIVER RESTORER

 Sets, Chisels, Punches At last! an attachment to grind phlillos or regular (Vankee) screw drivers to their original shape. Chuck in any drill. Will grind all Phillips drivers up to $\% / 10^{\text {e }}$ and all Yanthee type drivers up to $1 / 2^{*}$ as easily as sharpening a pencll. Use for ehisels, punches too. Shpr. Wt., $1 / 4 \mathrm{ib}$.
13 R 25513
Net 6.50

## ADJUSTABLE BEVEL CUITER

Fits any electric drifi. Makes fast, clean 45* corner bevels. Adjusts from $1 / 32^{\prime \prime}$ to $5 / 16=$ wide. Cuts wood, plastics and soft metal. Made of hardened, tempered manganese alloy tool steel. Shpg. wt. 402.

## 14 R 14168

PC CORMEF


## ARCO SCREW \& NUT ORIVER DRILL ATTACHMENT



For rapid fastening of both screws (slotted and Phillips) and nuts (hex and square head). Has non-sllp industrial type clutch for fast easy driving, Blt holder prevents serew head slippage. Includes flat bits and bit holders for $\# 6.14$ slotted screws, \#2 Philtips head bit, 6 hex sockel wrenches $\left(1 / 4^{\circ}, 8 / 5,11 /\right)^{\prime \prime}$, $3 / 8^{4}$. $/ 13^{\circ} .1 / 2^{\circ}$ ), and socket wrench holder with ball lock. Shpr. wi., 1 lb.
14R14218
Net 4.95

## 7-BLADE DEEP HOLE SAW

## 139

- Cuts holes in $2 \times 4$ 's


Fits any electric drill or drill press. Cylindrical saw blades cut holes from $1^{\prime \prime}$ to $21 / 2^{\prime \prime}$ in diameter in any stock up to $2^{\prime \prime}$. Hole sizes are $1^{\prime \prime}, 11 / 4^{\prime \prime}, 11 / 2^{\prime \prime}, 114^{\prime \prime}, 2^{\prime \prime}, 21 / 4^{\prime \prime}, 21 / 2^{\prime \prime}$ Cut wood, plastic, metal, sheetrock, wallboard, masonite, formica, etc. Has guide bit and automatic slug ejector. Imported. 13 R 55262 Shpg. wt., 1 lb. .... Net 1.39


- Runs Drill At $1 / 2$ or Double Speed

ADJUSTABLE 82 ${ }^{\circ}$ COUNTERSINK
Adjusts to exact depth with astomatic stop . . . single filute, chatter-free design assures round, clean cuts. Tempered and hardened manganese fool steel construction. Countersinins in steel, wood, plastic. $1 / 4$ shanh. Shpe. wt., 4 oz.
14titis3
Net 1.49

## 5-PC. ROTARY FILE SET (1) inill

For electric drill, drill press, fiexible shaft. milied from solid tool steel, hordened and tempered. Cuts steel and other metals, wood. plastic, wallboard, etc. For hole enlarging. routing, shaping, finishing. Witt $1 / 4^{\boldsymbol{\omega}}$ shank. Shpp. wt., $1 / 2$ lb.
13R50180
Net 3.95

## 5-PC. SCREW EXTRACTOR SET

[^18]
Net .99

Close coupled-right angle attachment for working in confined spaces. 2 to 1 gear ratio permits halving or doubiling drill speed High speed for drilling and sandirg-slow speed for polishing-large hole drillingmasonry driliing, etc. Fits $1 / 4^{\prime \prime}$ chuch or may be screwed directly to drill spindle. Includes $36-24$ male and female adaptersand $1 / 4^{\omega}$ plain shaft adapter.
14 R 36339 Shpg. wt., $11 / 2$ tbs. Net 3.95

a complete set of 10 individually mounted stones perfect for use on metal, woed, plasties, etc. Can be used for chamfering, grinding. polishing, burnishing, and honmg. For use with electric drill, flexible shafts and motor arbors with $1 / 4^{\prime \prime}$ or larger chuck.
14 R 61243 Shpg. wt. 1 lb.p.........Net 2.19

## AUTOMATIC CENTER <br> PUNCH

Speedy, zutomatic, and adjustable - singlehand operated punch gives light or heavy impressions with just the furn of screw. Spring oressure adjusts from 5.30 lbs . Imported from England. Shpg. wt. 402.
14 R 33200

## REYERSE-A-DRIVE SPEED REOUCER SCREWDRIVER <br> 

- Includes 2 Bits and 1/4"

Socket Adapter
Reversible speed reducer can be fitted to any electric drill or drill press quichily and easily. Forward s.peed reduction of 11 to 1. and reverse of 4 to 1 develops high torque. ideal for nut ruming. and heavy duty screwdriving. Easy slop-start action with hand clutch contral. Accessories include $1 / 4^{\prime \prime}$ slotted bit with finder- \# 2 Phillips bit and $1 / 4^{\prime \prime}$ socket adapter. ShpR. Wt., $7 / 4 \mathrm{lb}$. 14 R 79021

Net 5.25
Speed reducer similar to above but less re versing feature. 11 to 1 speed reduction through the use of a planetary gear system Easy stop-siart action with hand elutch control. Includes slotted bit with finder, \#2 Phillips and $1 / /^{* \prime}$ socket adapter. Shpg. wt $3 / 4 \mathrm{lb}$.
14R79039 Net 3.95
TOOL STEEL TAPERED REAMER


Enlarges holes to $1 / 2^{\prime \prime}$. Tapers down to $1 /{ }^{\prime \prime}$ point. Machined edges. Overall length $5^{* \prime}$ Stiding "T" handie. Imported, Shpg. wt., $1 / 2 \mathrm{lb}$.
14 R 61029 Net 1.19

## ARCO DRILL STAND

- Fits All $1 / 4^{\prime \prime}$ or

3/" Electric Drills
Attaches to workbench. Is ideal for buffing, sanding, grinding. Fits all electric drills, 6 oz.
14 R 14200
Net 1.59

## LAWN MOWER SHARPENER

## - Sharpens All Rotary

 MowersQuichly and easily sharpens any flat blade-rotaries, hoes, scythes, etc, $1 / a^{m}$ shank fits any electric drill Reversible grinding wheel. Wt., i/2 ib. 14 R 14226 .........Net 1.19

## KNIFE \& SCISSOR SHARPENER <br> Converts any electric

 drill or bench motor to a knife or scissors machine. Consists of rugged specially designed grindstone with $1 / /^{\omega}$ shamk arbor attached, Shpg. wt., i/2 ib 14R14234

Net 1.19

## 1/2" CHUCK FOR 1/4" DRILLS



## 19



- Add $1 / 2^{\prime \prime}$ Capacity to $1 / 4^{\prime \prime}$ Drill

Converts $1 / 4^{*}$ electric drill to $1 / 2^{*}$ capacity Properly machine to insure correct balance. May also be used on standard $1 / 2 \times 24$ motor arbor or shaft. Imported. ShD\&. wt.0 $3 / 4 \mathrm{lb}$. 13 R 55270

Net 1.19

## R-ㅈN. Akro-Mils Parts Cabinets


$\omega$

(C)

(D)

Complete labeling kit included with each cabinet . . . all models sit-up with weided steel frame, ready to use

## ALL "MODULAR," CABINETS CAN BE STACKED-NDDED TO-CHANGED-ARRANGED-REARRANGED CHARCOAL GRAY HAAMMERTONE FINISH (A) MODEL 17-136, 36 compact drawers: <br> arawer size: $1 / 4 \mathrm{HE} 2 \mathrm{HW} \times 5 \%$. <br> FOR THE HOME-HOBBY-BUSINESS <br> (D) MODEL $17-416.16$ long wide drawers.

Cabinet size: $17 \%$ Wx60xl11/s"H. Cabinet, "See-Thru" drawers, dividers, and index labels. Shpg. wt., $121 / 2$ ibs.
13 R 76102W
Net 14.99
(8) MODE 17-024, 24 deep compact drawers.

## Drawer slze: 2Hx2\%awx 53 "c.

Cabinet size: $177 / 6 \mathrm{Wx} 6 \mathrm{Dx} 101 / 4 \mathrm{H}$. Cabinet, "See-Thru" drawers, dividers, and index labels. Shpg, wt., $101 / 2$ fbs. 13 R 76110 W

## (C) MODEL 17-320, 20 long drawers.

Drawer size: 2Hawntin
Cabinet size: $171 / \mathrm{aWr} 6 \mathrm{Dx} 101 / 4 \mathrm{H}$. Cabinet, "See-Thru" drawers, dividers, and index labels. Shpg. wt, $211 / 2$ ibs.

## 13 ต 76037W

Above, but with unbreakable opaque drawers
Net 22.99
MODEL 18-320
Net 22.99
AKRO-MILS PORTABLE 15 DRAWER STORAGE CABINET


- All Steel Frame

Ideal storage unit for hobbyist or handyman. All steel unitized frame $10^{\prime \prime} \times 8^{\prime \prime} \times 6^{\prime \prime}$. Compact yet holds many items in easy to locate fashion in 15 "see-thru" drawers. $27 / /^{\prime \prime} \times 11 / a^{\prime \prime} \times 53 / 4^{\prime \prime}$. Unbreakable tote handle. Metallic blue baked enamel finish. With drawer di. viders and labels. Shpg. wt., $41 / 4$ lbs. 13 R 76250

Net 3.59

## AKRO-MILS PORTABLE LOCKING CABINET



Model 11 -453 For secure storage of medicines, tools, smafl easily lost parts. Chip-proof welled steel frame provides for safe storage and transport. Locking steel door prevents theft and spilling. Keyhole slots for hanging. 12 drawers $11 / 4^{\prime \prime} \times 21 / 4^{\prime \prime} \times 53 / 4^{\prime \prime}$ I jumbo. drawer $21 / 2 \times 83 / 4^{\prime \prime}$. Overall size $10^{\prime \prime} \times 9^{\prime \prime} \times 6^{\prime \prime}$ With carrying handle. Adjustable dividers and labels. Shpg. wt., $51 / 2$ los.
13 R 7621 9w
Net 5.95


48 drawer parts cabimet

- With Dividers and Index Cards
- Heavy Gauge

Welded Steel Frame
Extra large cabinet $217 /$ "Hx $^{\prime 2} 12{ }^{*}{ }^{\prime W}$ $161 / 4$ "D, holds hundreds of ftems. Modular construction permits arrangement in single of multiple units, on walls, workbenches, shelves, or shop floors. Rigid steef frame and fuld metal shelf support any load in drawers. Plastic feet prevent scratches when standing, and secure multiple staching. Inside drawer size, $170^{\prime \prime x} 21 / 2^{\prime \prime} \times 53 \mathrm{~s}^{\prime \prime}$. Crys-tal-clear drawers. Feature safety stop and safe-grip-handle comes with 1 divider per drawer and index cards. Baked enamel finish. Imported.
Shpe, wt., $111 / 2 \mathrm{lbs}$.
13 R 77506W

Drawer size: 2Wx4Wrilm.
Cabinet slze: $177 / 2 W \times 110 \times 101 / 4{ }^{\text {"H. Cabinet, }}$ "See-Thru" drawers, dividers and inder labels. Shpg. wt., $211 / 4$ lbs. 13R $75128 w$
MODEI 18-416. Above but with unbreakable opaque drawers.
13 R 76052W
Net 22.99
MODEL 17-909 9 long deep wide drawers.
Drawer size: 31/32 Hy 5 Y/4W1112.
Cabinet size: $17 \% / \mathrm{WW} \times 11 \mathrm{Dx} 10 \mathrm{y}_{2} \mathrm{H}$. Cabinet, "See-Thru" drawers, dividers, and index labels. Shpg. wt., 201/2 tbs. 13 R 76086 W Not illustrated

Net 22.99 MODEL 18-909. Above but with unbreakable opaque drawers. 13 R 76094 W Not illustrated. Shpg. wt., 9 Jbs. ........ Net 22.en

## AKRO-MILS 16 DRAWER STEEL UTILITY CABINET



## - Deed Drawers

Model 11-266. Charcoal hammertone welded stee! heavy duty $9^{\prime \prime} \mathrm{Hx} 13^{\prime \prime W}$ w 6"D frame with 16 extra deep $23 / 4^{\prime \prime} x$ $2 " 53 / 4$ " "see.thru" drawers, Balied enamel finish cannot chip or peel. Can be stacked for more compact arrangement. Adjustable dividers and labels included. Suitable anywhere from office desk to work. bench. Shpg. wt., $6 \mathrm{y} / \mathrm{m}$ lbs.
13 R 76193W
Net 5.95

## 188c) 25 DRAWER PARTS CABINET



For home, office, shop. Heavy gauge welded steel frame cabinet holds dozens of items. Rugged cabinet can be stacked or wall mounted. Plastic feet prevent scratching. Drawers have easy-grip handle. dividers, Jabels, and label holders, Baked-on hammertone finish. Drawer sire: 2 W x11/2Dx51/2". Cabinet slre: $93 / \mathrm{x}$ $121 / 3 \times 61 / 4^{\prime \prime} \mathrm{D}$. Shps. wt., 6 Ibs. 13 R 77027w Net 4.95

AKRO-MILS 30 DRAWER PARTS CABINET

- For Home-

Office-Shop

- Sturdy Steel Frame
- With Dividers and Labels
Versatile 30 drawer steel trame cabinet. Has carrying handle for easy portability or can be slaciked when more drawers are needed. Cabinet tilts and has safety tabs to prevent accidental spilling. Easily Wallmounted for saving workbench space. See-thry drawers measure $53 \times 23 / 4 \times 1 \mathrm{~K}_{4}^{\prime \prime}$, perfect for small parts, electrical components, screws, etc. Sturdily built with steel sides and back wall. Complete with labels and dividers. Size: 14Hx10Wx $6 \%$ "D. Shpg. wt. 10 lbs. 13 R 76276w


# Vacuum Cleaners...Staple Guns 

## SHOP-YAC' ALL PURPOSE VACUUM CLEANERS

- Heavy Steel Drum-Excellent for the As Low As Home, Garage, Patio, School or Workshop
- Powerful 1 HP Motor, 6 ft. 21/2" Dia. Hose $34^{95}$ Delure shop-Vac 10 Gallon Vacuum Cteaner outfit. Excellent for picking up pebbles, wood chips, sawdust and other debris. Also attaches to woodworking machines for chip and sawdust removal. Reversible alr flow-use it as a blower too. Perfect for winter oil burner cteaning. Complete with two-way 4 -wheel doflle, 6 ft . $21 / 2^{" \prime}$ dia. hose, $6^{\circ \prime}$ nozzle, $21 / 2^{\prime \prime}$ to $11 / 4^{\prime \prime}$ adapter, 2 -pe. $45^{\prime \prime}$ extension wand, right angle elbow, cloth filler bag and pkg. of 5 paper filters. UL listed. Shpg. wt. 23 ibs.
13 R 35652W No Money Down :
5 Gallon Shop-Vac Vacuum cleaner. Same as above including all accessories, except for 5 gallon vacuum capacity. Ut listed. Shpg. wt., 17 fbs
13R35702W INO Money Down*
Net 34.95

Paper Fiter Bags: For extra Cirty lobs, slips over cloth bag 13 R 35561 Pkg. of 5. Shog. wL. 4 oz.

Net .99
13 R 35579 Replacement Cloth Bag. WL. 4 oz.
Net 1.49


Amazingly accurate instrument that will indicate level and measure a minimum of $1 / 8^{\circ}$ rlse or fall at $25^{\circ}$. Makes present day bubble and string type levels obsolete. It not only indlcates level but shows exactly how much correction is needed. One man can perform any leveling or incline measuring job quichly, easily, and. ac curately, Makes any complicated measuring/leveling job simple. Use it for patlo layout, bricklaying, fiooring, survey品, terracing, fencing, plumbing, sheiving, guttering, drainage, Irrigation, indispensable as leveling and grading tool for model rallway pike. Shpg. wt., $11 / 4$ lbs.
14 R 18011
14 R 18029 case-Shpg. wt., 3/4 lbs.

Net 8.50 Net 4.95
 ur - Built-In Staple Extractor


## MULTI-PURPOSE GUN TACKER KIT

Siudes: Gun, Case-Wining. Screening. And Window Shade Attachments-Staple Liter
Professional staple gun with a powerful action that drives 6 heavy duty staple sizes, $1 / 4^{\prime \prime}, K_{4}{ }^{\prime \prime}, 3 / s^{\prime \prime} .42^{\prime \prime}, \%^{\prime \prime}$ and Celitilesespecially destgned for ceiling tile, Kit contains: staple gun; multi-staple pak of 2000 $1 / 4^{\prime \prime}$, and 1000 ea. $7 / 8^{\prime \prime}, 2 / 2^{\prime \prime}$ and Ceiltile slapies, and attachments.
13 R 57504 Shpg. Wt., 474 lbs . Net 14.95 STAPLES FOR THE MODEL T-50 CUN

Shpg. wt., 802. */ PKG. OF 5000

## 13 R 57524

Net 2.75

- MULTI-PAK-ASSORTMENT OF $5000=$ $2000 \cdot 1 / 4^{\prime \prime}, 1000$ ea. OF $3 / \mathbf{c k}^{\prime \prime}, 1 / 2^{\prime \prime}$ \& CEIL TILE


## 13 R 57557

Net 2.75


Powerful, portable vacuum for general household cleaning or use in the garage or garden. Rugged Lexan housing, Only $15^{\circ \prime}$ long and $7^{*}$ dia, Equipped with $3^{\prime \prime}$ hose, $9^{\prime \prime}$ crevice tool, $21 / 9^{*}$ round dusting brush, $5^{\prime \prime}$ upholstery nozzle, $9^{\prime \prime}$ floor nozzie with brush and 2-pc. ,40" extension wand-all $11 / 4$ - diameter. Weighs $61 / 2 \mathrm{lbs} 1 \mathrm{HP}$ motor. UL and CSA listed. Comes with $21 / 2^{\prime \prime} 1011 / 4^{v 2}$ adapter for iuse of standard vacuum accessorles. Supplied with 18 ft cord and shoulder stran. Shpg. wt., 13 lbs.
13 R 35637W No Money Down*
Net 34.95
Disposable Paper Bags for Hipro. Pkg. of 5
13 R 35645 wingline: (A) HEAVY DUTY STAPLE GUN

## - Easy Loading of 5 Staple Sizes

Madel 800 drives 5 slizes of staples. Snap open load. Exclusive power dot and tandem springing deliver super power. Loading takes only a moment. Built in extractor. Accepts $1 / 4^{\prime \prime}$ to Ko" staples including special loktite staples for firm holding of ceiling tiles. 13 R $5 a 126$ Shpg. wt., 2 lbs. Net 8.95 1000 staples for $\$ 800$ staple guns.

| Stock No. | Leg length | Shpg.wt | Net |
| :---: | :---: | :---: | :---: |
| 13 R 58134 | $1 / 4{ }^{\prime \prime}$ | 7 oz . | . 55 |
| 13 R 58142 | K:" | 7 oz . | . 60 |
| 13 R 515159 | 3/6" | 8 oz . | . 60 |
| 13 R 58167 | $1 / 2{ }^{\prime \prime}$ | 9 oz . | . 70 |
| 3 R 58183 $\dagger$ | $\mathrm{Kam}^{\prime \prime}$ | 8 oz . | . 80 |

## +Special Lahtile Stapies

## (B) CABLE TACKER

## - Fast-action

- Reaches Into Tight Places

Madel 300 Swingline fast-action staple gun for fastening low voltage electric and tele. phone wire, cable, rods, barbed wire, etc. Fires arched crown staples, $1 / 4^{\prime \prime} \times 3 / 8^{\circ}$. Narrow width permits reaching into tight places. 13 R Stog 2 Shpg. wt., $21 / 2 \mathrm{lbs}$. Net 12.95 13 R 58100 Shpg. wt., 8 oz ..... Net 1.59

## STAPLE GUNS



# Vises and Metal Working Tools 

## PORTABLE VACUUM VISE



WITH 2 JAWS, $11 / 2^{\prime \prime}$ AND $21 / 2^{\prime \prime}$
$5^{95}$
No clamps, no screws! Vacuum power holds vise securely on any non-porus surface. Use it on formica, linoleum, metal, porcelain or any painted smooth finish surface. Anvil bact, 2 jaws. $11 / 2^{\prime \prime}$ and $21 / 2^{\prime \prime}$ open to 24 inches. $360^{\circ}$ rotation swivelhead. Easy to use vacuum actlon and jaw controls. For hobbyist. repairman. imported. 13 月 55 16 Shpg. wt., 574 lbs. Net 5.95

## HEAVY DUTY $4^{* *}$ SWIVEL BASE VISE



This favorite machinist vise swivels full $280^{\circ}$ Width of Jaw: $4^{\prime \prime}$, Geared bolt and base plate give positive lock agalnst slippage. Removable hardened pipe jaws open to $43 / 4$ "; plated screw bar. Steel handle balls forged from handle stock. Precision machined malleable iron castings. Self. lubricating graphite bronze bearing. Imported. Shpg. Wt., 183/4 lbs.
13 R 55890
Net 10.95 HEAVY DUTY ©" MODEi. Similar to above: Width of Jaws: 6" opens to $61 / 4{ }^{\prime \prime}$. Shpg. wt., $261 / 4 \mathrm{lbs}$.
13 R 56120W
Net 16.95

## DOUBLE POWER GRINDER

- With 2 Grinding Wheels

Equipped with double tool rests - will accommodate $4^{\prime \prime}$ or $5^{\prime \prime}$ grindstone. Nylon bearings require little or no lubrication, and have outstanding abrasion resistant charac. teristics. Furnished complete with one coarse, one fine grinding wheel. Shpg. wt., 103/4 los.
14 R 76043
Net 6.95


## 4 TOOLS IN ONE

Complete Metal Workshop FOR IMDUSTRIALS, 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 planis on small jobs. Handes stock up to $1^{\text {m }}$ wide to 16 gauge. Punches clean, sharp, smooth, burr-free holes - up to $1^{\prime \prime}$ from edge - K. and $1 / 4^{\prime \prime}$ round. Forms bend up to $90^{\circ}$ in rod or Dar stock. Cleandy shears metals up to $1^{\prime \prime}$ wide. 16 gauge, without distortion, Rivets easily with any type solld or hollow rivet. Rivets up to a maximum combined thichness of 3/6". Shpg. wt., $51 / 2 \mathrm{lbs}$.
14R11016
Net 11.95
EXTRA PUNCH SETS.
Avg. shpg. Wt. 3 oz.

14 R 11040 Rectangular- $1 /^{\prime \prime} x K_{0 \prime \prime}$ and $16^{\circ \prime} \times 1 / 4^{\prime \prime}$
Net 2.59
Net 1.79
Net 1.79 Net 2.59


## HEAVY DUTY 18" BENDING AND FORMING BRAKE



- For Experimenters-Servicemen-Shops - Clean Smooth Bends - Forms Up To $90^{\circ}$ $12^{95}$ Gauge Thickness

5


A sturdy, reliable, swivel base vise for tool room, home or shop jobs. Three inch jaws; $3^{\prime \prime}$ opening. Swivel base permits $280^{\circ}$ degree revolution. Locks in any position. Arvit back. Welt made of malleable Iron castings. Hardened tool steel jaw faces. Ideal for carpen. try. sanding, sawing, tool sharpening, carving. Complete with fixed pipe jaws. Imported. Shpg. wt., $101 / 4 \mathrm{Ibs}$.
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For small sub-assemblies and intricate electronic wark including printed circuits. Rubber profected jaws are 210"W with a $61 / s^{\prime \prime}$ opening. PowRarm positioner offers superior positive lock and fast on-off action with horirontal handle. Shpg. wt., $23 / 4 \mathrm{lbs}$. 14 R 80029

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BernzCutter cleanly and easily cuts plastics and laminates up to K"", floor tile, sheet metals (steel up to .040 \%), pegboard or paneling, Eliminates the danger of tearing or cracking delicate materials as with ordinary cutting tools. Mand operated BernzCutter is compact can be used in con fined areas. No limit to length of cut. Form fitting handles provide a comfortable grip for continuous use. With 1 metal cutting, 1 plastic cutting and 1 shaper blade for circles and curves plus idea-instruction book. Shpg. wt., 1 lb .
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4${ }^{50}$ Cuts Sheet Metal Like a Punch and Die
Easily operated hand Nibbler" cuts any shape hole in sheet steel-aluminum-copper-or plastic. Metal remains flat and straight after cutting. Does not add strain or distortion to edges. Cuts holes in preformed sheet metal without dis. torting original form. Cuts in all directions. Any design-angle-radius. Follows scribe lines easily. Best possible tool for cutting template and model parts.
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Portable clamp fully exposes both sides of the joint - allows you to put fastenings Wherever you wish. Handy for clamplng. cutting, glueing, nailing. etc. Sturdy die-cast aluminum. Chrome plated $\mathbf{T}$-slide bars. Imported. Shpr. wt., $3 / 4 \mathrm{lb}$.
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The only practical way to grip and hold small parts. $11 / 4^{\prime \prime}$ die cast jaws open to 7/". Mounted on a 4" comfortable ferruied wooden handle. Molds wort for orilling, marking, filing, sawing, ete. Endless uses in handiwork, Imported. Shpg. wt., 802.

GREENLEE CHASSIS PUNCHES


TYPE T30


TYPE 731
TYPE 732

## Type 730 Round Table Punches

Cut holes in metals up to 16 gauge thick with the turn of an ordinary wrench. No sawing, reaning or filing. TYPE 730, Round Holes, AVG. Shpg. wt., 7 lbs. es.

| Stect No. | Size | tet 62. | Stech Ne. | Size | Met ex. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 13 R 29010 | 4/2010 | 3.05 | 13 R 29267 | $11 /{ }^{\prime \prime}$ | 3.60 |
| 13 R 29028 | K0" | 3.05 | 13 R 29432 | 1\%"' | 4.45 |
| 13 R 29036 | $5{ }^{6}$ | 305 | 13 R 29275 | 1\%" | 4.45 |
| 13 R 29044 | "Ki" | 305 | 13 R 29283 | $11 / 2{ }^{\prime \prime}$ | 4.90 |
| 13 R 29051 | 1/4" | 305 | 13 R 29291 | 15/" | 5.95 |
| 13 R 29069 | 136" | 3.05 | 13 R 29309 | $11 / 6^{\prime \prime}$ | 6.80 |
| 13 R 29077 | 1/4 | 3.05 | 13 R 29317 | 1\%" | 8.40 |
| 13 R 29085 | 3/10 | 3.45 | 13 R 29325 | 2 | 9.00 |
| 13 R 29093 | $1 \times$ | 3.45 | 13 R 29333 | 21/4" | 9.70 |
| 13 R 29101 | 1K0" | 350 | 13 R 29341 | 214" | 10.00 |
| 13 R 29119 | 11/" | 3.50 | 13 R 29358 | 212" | 16.30 |
| 13 R 29127 | 15\%" | 3.50 | 13 R 29366 | 23/4" | 22.65 |
| 13R29135 | 1\%" | 3,50 | 13R29382 | $3^{\prime \prime}$ | 31.30 |
| TYPE 731. Punches. | e Nol |  | TYPE 732, Keyed Sockets, Punches. |  |  |
| Stock No. | Size | Net e2. | Stock No. | size | $\begin{aligned} & \text { Net } \\ & \text { ex. } \end{aligned}$ |
| 13 R 29143 | $1 / 2^{\prime \prime}$ | 8.10 | 13 R 29176 | ${ }^{3} / 8$ | 7.45 |
| 13 R 29150 | 5 50" | 8.70 | 13 R 29184 | 51" | 7.85 |
| 13 R 29168 | $3 / 4 /$ | 8.60 | 13 R 29192 | 110" | 8.50 |
| 13 R 29390 | 7/8" | 10.30 | $13 R 29416$ | 1170 | 10.00 |
| 13 R 29408 | $1 "$ | 10.70 | 13 R 29424 | $1{ }^{1}$ | 11.00 |
| Replacement cap screws for 730 , round hole, punches above. Shpg. wt., $11 / 2025$. <br> 13R29200 |  |  |  |  |  |
| 13R29200 13 R 29218 | For $\mathrm{For} 1 / 2$ |  |  |  | . 35 |
| 13 R 29226 | For 1" | hrough | $11 / 2{ }^{\prime \prime}$ |  | . 35 |
| 13R29234 | For 15 | throu | $13 / 4{ }^{\prime \prime}$ |  | . 60 |
| 13R29242 | For 17 | throu | 24/2" |  | . 70 |
| 3R29259 | For $2^{3}$ | and 3 |  |  | 3.75 |

- Easr-smooth holes in sheet metal - 5 Sizes: $1 / 2^{\prime \prime}$. $5 /{ }^{\prime \prime}$ 1/4", 1", 11/6"

Five mos: often needed round hole punches. Easily culs smooth accurate holes for sockets, plugs, controls, panel lights, switches. terminals, and most radio parts. Drive with any wrench or with included 7 -handle. Punch sizes included are $1 /^{\prime \prime}, 5 / 4^{\prime \prime}, 3 / 4^{\prime \prime}, 1^{\prime \prime}, 11 / 3^{\prime \prime}$. sizes included are $1 / 2^{\prime \prime}, ~ 5 / /^{\prime \prime}, 3 / 4^{\prime \prime}, l^{\prime \prime}{ }^{11 / s^{\prime \prime}}$.
Complete with punches, dies, T drive handle。 tapered reamer, fitted case, and instructions. Shpp. wt., 2 Ibs. Imported. 99 R 80244

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$40-\mathrm{pc}$. set for mechanics, machinlsts, engineers. One tap and die in each of following: $4-36,12-24,7 / 16,7 / 24,6-32,1 / 4-20,1 / 0-20$, $1 / 2-20,8 / 32,1 / 4-28,1 / 6-14,1 / 2-13,10-32, K_{4}-18,3 / 5-24,1 / 4-$ Pipe Iap; plus long handle adjustable tap wrench. "T" handle tap wrench, die handle, screwdriver, screw pltch gauge. Hinged metal box with moulded rubber infay tray. Imported.
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## - National Coarse $\underset{\text { Sizes }}{ } \mathbf{9 5}$

Twenty of the most often needed tapes and dies. Sizes populariy used in radio, hobby, home, shop
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13 R 55106
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All files are double cut for sharper, faster cutting. For hobbyist. jewelers, watchmakers, etc. all over the worid. Consists of 12 assorted flat. oval, pound, triangular and edge files to fit every need. Imported. Shpg. wt. $1 / 2 \mathrm{lb}$.
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- 5 Individual Files

Perfect for shop-home-hotiby work. Kit consists of flat, half roune triangular, square, round and taper files. All with individual hard plastic handies. Sturdy plastic pocket case included. Imported.
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18-PC. HEX KEY
WRENCH SET
$89^{\circ}$
9 short arm wrenches from .050 through $1 / 4^{\prime \prime}$, and 9 long arm wrenches xic $_{0}$ through $\mathbf{W h}^{\mathbf{r}}$. Quality tool steel. Bright plated-in plastic roll up kit, imported.
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ceramics - Cuts Like a Diamond super atrasive - Fits Any Hacksaw frame Cuts materials that an ordinary hacksaw can't cut; ceramic tile, glass, masonry ma. terials, tough plastics, welds, steel alloys
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13R 38508
Net 1.79
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VERNIER SLIOING CALIPER
149
Sharp pointed projection for accurate aivid Sharp pointed projection for accurate divid-
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Made in USA. Meets Fed. Spec. for impact and piercing, optically clear plastic Nonfogging. Well ventilated. Undistorted vision. Fits any size corrective eyeglasses. Shps. wt 5025 .
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## KRAEUYER "INDUSTRIAL" PLIERS




- All With Cushion Grip Handles

Fine quality-hammer-forged from high grade tool steel. Individually fitted, tempered and adjusted. Fully polished heads. Rust-resistant cushion grip handles ave. Shpg. Wta, 1 th.

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0
8
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- Top Quality Precision Pliers

Fine quality small plieps, ruggedly designed for bench work that requires delicate handling. Drop forged from high grade steel. Precision made and polished to jewelers finish with plastic cushion grlp mandles. Avg. jewelers
shpg. wt., 5 ors

?


2

(E)
(F)
(G)

(M)
(a) GY/" IONS MOSE PIIERS. Durable drop forged steel pliers with hardened and tempered side cutting edges. Insulated handles for protection and comfort. Thin nose reaches into any space. Completely pollshed and lacquered finish to prevent rusting. imported. Shpg. wt., 7 oz.
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Net 1.69
(8) $61 / a^{\prime \prime}$ DIAGONAL CUTTING PLIERS. Futly drop forged steel construction. Mardened and tempered cutting edges...t thin nose for hard to reach places. Shockproof handies are insulated for comfort and protection. Rust-proof finish is completely pollshed and lacquered, Imported. Shps: wt., 9 oz. 13 思 55791

Net 1.69
(C) T' 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 polished and lacquered finish-prevents rus ting. Imported. Shpr. wt. 14 or.
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(E) $61 / 2^{\prime \prime}$ CUAVE MOSE PLIERS. Versatite longnose pliers bent $45^{\circ}$ at midpoint of jaws. Forged from special heat treated alloy steel. Hand honed side cutters. Insulated grips.
13 \& 55205 Shpg. wt., 7 oz. ... Net 1.39
(D) LIEHTWEISMT LONG NOSE PLIERS. Ideal for all types of delicate work and for reaching into hard-to-get at places. Spring closing - holds wires, nuts, screws, efc. Mandy for mechanies, assemblers, hobbyists. $83 / 4^{\prime \prime}$ long. with soft plastic colored handles. Shpg. wt., 502.

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(6) 91/2" HEAVY DUTY WATER PUMP PLIERS. Drop forged ars joint slip-groove for dig leverage on work you can't get with other gripping tools. Fully chromed and polished pliers offer maximum leverage and strength. 5. adjustments. 1" parallel opening. Deep milled faws made of chrome vanadium steel. Insulated handles. Imported. Shpg. wt. $11 / 4$ lbs.
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## CHAN CET BOCK

ELECTRONIC PLIERS


Farged from high grade steel, precision machined. Specially designed for fine electronics work. Long slender reach... preci-sion-matched jaws . . . hand-honed, specialhy hardened cutting edges. The 738 G long reach. round nose will pick up a human hair with its precision machined parts. The 728 G -long reach diagonal cutters have a patented wire stripper that really works. With dipped plastic grips. Shpg wt., 1001.
738 G Round Nose $8^{\prime \prime}$ Long
13 R 30026
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169
Has 6 standard punching tubes. Made of long lasting tempered steet. Imported. 14 R 61144 Shpg. wt., 13 oxs Net 1.58

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For handymen and electricians. Two-blade knife with safety lock. Features a knife, wire scraper and screwdriver. Non slip handle. Overall size; $342^{\circ \prime}$. With belt loop. 14R16510L Net 1.59

## WIRE STRIPPER AND CUTTER

## 149 <br> ${ }^{19}$ <br> - Self Opening <br> - Strips Wire From 10-24 Gauge

For any size wire, stranded or solid. Adjustable arm for varying wire size. Made of hardened tool steel finely ground cutting edges. Buift-in spring holds cutter open. Has ring-latch to hold blades in closed position. Shpg. wt. 602. 14 R 16502.

## AUTOMATIC WIRE STRIPPER AND CUTTER

only


- Automatic StayOpen Feature

Precision tool automatically cuts. strips all types of electrical insulated wire. Works on all stand ard gauges from 12 through 24 . Complete with wire guide. Insulated handles. imported. Shpg. wt.
$14 / 4 \mathrm{lbs}$ l 61250

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## Professional Screwdrivers-Nutdrivers



## (A) SERVICE NASTER TOOL KIT

- Versatile - 23 Piece Set - Quick-Change Tools
- Durable, Roll-Up Vinyl Canvas Case

Model 99Sm-Valuable kit has: pllers- $6^{\prime \prime}$ long nose and $5^{\prime \prime}$ diagonal; $6^{\circ}$ adjustable wrench; 9 regular nutdrivers $3 / 16^{\prime \prime}$ through $1 / 2^{* \prime}$; 3 stubby nutdrivers, $1 / 4^{\prime \prime}, 5 / 16^{\prime \prime}$ and $3 / 8^{\prime \prime}$; Phillifs screwdriver; 2 slotted screwdrivers, $3 / 5^{\prime \prime}$ and $1 / 4^{\prime \prime}$; 2 reamers; extension. Shpg, wt., $31 / 4 \mathrm{lbs}$.

## 13 R 46436

Net 27.90

## (B) "TRAY BIEN" NUT DRIVER SET

- Solid Shaft 7 Color Coded Nut Drivers
- Carrying Case for Bench Caddy or Wall Mounting

Model 1277 m molded plastic bench tray has fold away stand. Holds tools securely yet permits easy removal. Hex sizes $3 / 16^{*}, 7 / 32^{*}$, $1 / 4^{\circ} .9 / 32^{\circ} \cdot 5 / 16^{\circ}$. 11/32". 3/8* 13 R 46469 Shpg. wt., $13 / 4$ lbs.


## (C) NUT DRIVER SCREWDRIVER SET

- 14 Piece Nut and Screwdriver Set
- Durable Plastic Roll Kit

Model 99PR-Thirteen interchangeable nut drivers and screwdrivers. Nine nutdivers, $3 / 16,7 / 32,1 / 4,9 / 32,5 / 16,11 / 32,3 / 8,7 / 16$, $1 / 2^{\prime \prime}$. Siotted screwdriver $3 / 16^{\prime \prime}$ and $1 / 4^{\prime \prime}$. Phillips screwdrivers ( 11 and \%2). Handle. Roll up kit. Shpg wt., $13 / 4$ los. 13 R 46212

Net 9.60

## (D) "TRAY BIEN" NUT DRIVER SET

- Hollow Shaft-7 Color Coded Nut Drivers
- Carrying Case for Bench,Caddy or Wall Mounting Model 147 TE 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 sempre holding and easy removal. 13 R 46477 Shpg. wt., 2 lbs.


## C:OMPACT DOUBLE DUTY TOOL SETS

(E) PS-120 COMPACT NUTORIVER SET- 10 nutdrivers, $342^{\prime \prime}$ pocket. slie. Piggy-back "torque an pilifer" handie slips over pocket tool handles, gives grip and power of standard drivers. See-thru plastic case, silmmed to fit your pocket; stands on flat base. $\mathrm{K}_{3}, 1 / \mathrm{m}_{\mathrm{z}}$

13 R 46022
Net 6.15
(l) PS 7 DOUBLE DUTY TOO: SET-Saves bench space, Gives grlp. reach and power of standard drlvers with remarkable "torque ampllier" handle. Sot incluales: (all $34 / 2$ ") 2 color coled nutdrivers. $1 / 4^{\prime \prime}$ and Ko"; 2 slot tip screwdrivers, 2 Philifps screwdrivers, *0 and \#1. Slim, pocket-litting see.thru plastic case.
13 R 46220 Shpg, wt.0 1/2 b.
Net 4,28 (G) PS 88 SCREWORIVER SET-Compact, for bench and pocket. Set has 5 slot tip screwdrivers: $\mathcal{K}_{2},{ }^{2} \%_{4} \mathcal{K}_{2}, K_{4}, 1 / 41 / 1$ Shillips screwdrivers: 0. \#1. \#2. All $31 / 2^{\prime \prime}$ pocket size Dlus $1 \times 316^{\prime \prime}$ hollow handle. See thru olastic case, stand-up base. Shpg .wt., 9 oz. 13 R 46444

Net 4.47 (H) 99PS. 50 SET OF SCREWDRIVERS-NUTOAIVERS-Contains seven nut-
 $K_{0}^{\prime \prime}$ and $\mathrm{Kan}^{\prime \prime}$; 1 and " 2 Phillips screwdrivers; an extension blade (adds $4^{\circ "}$ reach to single end blades) regular hardie 1K/Kx.4/a", Easy to work with in spase-saving, convenient see.thru plastic case with flat base that stancs up on work bench. Shoz. wt.. $11 / 2$ lbs.

## 13 R 46454




## XCELITE POPULAR 6 PIECE SCREWDRIVER SET

- In Handy SeeThru Plastic Case

Only $5^{50}$

Assorted popular sizes to meet the require. ments of a great variety of service, produc tion and maintenance appications. High quality chrome vanadium blases with tough shockproot plastic (UL) handles. Set includes 4 slotted blade screwdrivers $1 / 8^{\prime \prime}$. Ki" $/{ }^{\prime \prime}$ and $K_{6}^{\prime \prime}$, and 2 Phillips Type $1 . K_{0}$. and $\# 2$ $1 /{ }^{\prime \prime}$, overall lengths $65^{\circ "}$ to $1 p^{1 / 4}$. Shpg .wt. $21 / 4 \mathrm{lbs}$.
13 R 46550
Net 5.50
 You get 60 second bonding for wood, the, leather, fabrics, metals, masonry; or caulking. Thermostat control has three heat ranges for "idlling," "normal operation" and "extra flow." "Open/ Close" nozzie control valve wrench included. Rated 70 watts at 120 V . AC/DC. UL listed. Slze $61 / 4 \times 41 / 2^{\prime \prime}$. Made of black heat-resistant phenolics. 13 R 58217 Shpg. wt., $11 / 4 \mathrm{lbs}$. Pkg. of 8 Hot Melt Glue Sticks. 13 R 58225 Shpg. wt., 4 oz. Pkg. of 8 Hot Melt Caulk. 13 R 58233 Shpg. wt., 4 oz.

## SELF-ADJUSTING SOCKET WRENCH



Now one tool replaces many socket wrenches! Simply press this wrench on any boit or nut from $1 / /^{\prime \prime}$ to $\mathrm{Kan}^{\prime \prime}$ in size and it automatically selects the right socket to fit, no other adjustments needed. High tensile strength sockets minimize slippage, provide high torque. Accommodates bolt extensions up to $11 / 4^{\circ}$ long. Chrome plated steel housing, Insulated handle. Length $6^{\prime \prime}$. Shpg. wt., $1 / 2 \mathrm{ib}$. 14 R 22500

Net 2.95

## 6 PIECE HOLLOW SHAFT NUT DRIVER SET


$2^{69}$

- Heary-Duty Plastic Handle
- Made in U.S.A.

Heavy duty nut drivers with plastic handie. Hoilow blade permilts tightening of nut over long screws... slim-Ilne styling reaches anywhere, Blade features rust proof finish. Sizes: $3 / 16,1 / 4,5 / 16,11 / 32,3 / 8$ and 7/16" Each nut driver is $54 / 2^{*}$ long. Made in U.S.A. Shpg. wt., 1 tb.
13 R 55833
Net 2.69
9.PC. COMPACT NUTDRIVER SET


- Handy Plastic Case

Nine-plece screwdriver set with color coded plastic handies and hardened, tempered rustproof finish blades. includes: Slotted (green-5/16" , black-5/32" , red-1/8", orange3/16". yellow-1/4") Phillips: (blue-\#0, orange- . 1, yellow-\$2). One interchangeable large handle.
13 R 56195 Shpg. wt., 3/4 lb. Net 2.39


- Hardened, Tempered, Rustproof Blades Perfect for the hobbyist, jewetry and electronic trades. This precision 6 piece screw. driver set has sizes from $\# 1$ to $\# 6$, width of blades $0.8-3.8 \mathrm{MM}$. All have knurled handles with swivel heads. Chrome plated brass handies with dlameter of $3.5-8.0 \mathrm{mM}$. 8 lades are hardened, tempered and rustproof for rugged use. Complete with handy plastic indexed case with hinged cover. Imported.
13 R 56039 Shpg. wt., $7 / 1 \mathrm{l}$. .... Net 2.39
9 PIECE COMPACT SCREWDRIVER SET



## 239

- Handy Form Fitted Case
Nine-plece screw driver set with color coded plastic handes and hardened, tempered rust-proof finish blades. includes: piotted: (green-5/16" black-5/32" red1/8", orange-3/16"', yellow-1/4") phillips: (blue-\#0, orange-\#1, yellow. \#2). One interchangeable large handle.
13 R 56179 Shpg. wt., $11 / 2$ lbs. Net 2.39


## 13 PIECE INTERCHANGEABLE

 SCREWDRIVER \& NUTDRIVER SET
$4^{95}$
$2^{39}$ and the following hardened, tempered, rustproof interchangeable blades: . 2 slotted screwdriver blades- $-3 / 16^{\prime \prime}, 1 / 4^{m} ; .2$ Phillips screwdriver blades-\#1, \#2; 7 nutdrivers sizes: $3 / 16^{\circ}{ }^{\prime \prime} 7 / 32^{\prime \prime}, 1 / 4^{\prime \prime}, 9 / 32^{\prime \prime}$, $5 / 16^{\prime \prime}$, $11 / 32^{\prime \prime}, 3 / 8^{\prime \prime}$ Hex openings. $144^{\prime \prime}$ hole depth, One $4^{\text {" }}$ extension blade. Compact, sturdy case.
13 R 56187 Shpg. wt., $13 / 4$ lbs. Net 4.95


Here's a practical set of 6 individual small tool sets each with chuck-type handies for the sportsman, hobbyist, do-it-yourselfer, TV, and hi-ll enthuslast. SC-5 Tiny Screw Driver $\frac{1}{2}$ Awl Set (Sizes: $.055^{\prime \prime}, .070^{\prime \prime} .080^{\prime \prime}, .100^{\prime \prime}$, AwI); PA-5 Tiny Phillips Driver \& Allen Type Wrench Set (Drivers: "\#0, \#1; Wrenches: \#4; \#6, \#8); SW-5 Tiny Socket Set (Hex Sizes: $5 / 64^{\prime \prime}, 3 / 32^{\prime \prime}, 7 / 64^{\prime \prime}, 1 / 8^{\prime \prime}, 5 / 32^{\prime \prime}$ ); OE-5 Tiny Offset Open End Wrench S'et (Sizes: $5 / 64^{\cdots, 3 / 32,}, 7 / 64^{\prime \prime}$ $1 / 8^{\prime \prime}, 5 / 32^{\prime \prime} 3^{\prime}$ TS-5 Thy Tap Set (Sizes: $0-80,1-72,2-56,3-48,4.40$ ); \#70'Tiny Tap Drill Set (Sizes: $3 / 64^{\prime \prime}, \$ 53, \$ 50, \$ 47, ~ \# 43$ ).
14 R 27095 Shpg. wt., $3 / 4 \mathrm{lb}$. ........................................... 24.95 Model SC-5 Screwdriver and Awl Set (only) 14 R 27012 Shpg. wt., 4 oz.

Net 2.25
G-PC. PRECISION SCREWDRIVER SET
25-PC. TOOL SET


Set consists of 1 plastic screwdriver handie with aluminum chuck; 4 screwdriver blades ( $1 / 8 \times 41 / 4^{*}, 3 / 16 \times 47 /^{" \prime} 1 / 4 \times 5^{\prime \prime}$ flat drivers and one No. 1 Phillips blade); 8 open and box end wrenches ( $13 / 64.7 / 32^{\circ}$, $7 / 32-15 / 64^{\prime \prime}, 15 / 64-1 / 4^{\prime \prime}, 1 / 4-9 / 32^{\prime \prime}, 5 / 16^{\prime}$. $\left.11 / 16^{\prime \prime}, 9 / 32-5 / 32^{\prime}, 11 / 32-3 / 8^{\prime \prime}, 3 / 8-7 / 16^{\circ}\right)_{i}$ 2 -way flat ratchet handle; 2 -way flexible shaft extension; 2-way $1 / 4^{*}$ extension bar; 8 steel sockets $3 / 16,7 / 32,1 / 4,9 / 32,5 / 16$; $11 / 32,3 / 8,7 / 16$, ). All In a convenient roil pouch with pocket for each tool. Imported. 13 R 55338 Wt., $11 / 4$ Jbs. ........... Net 2.49

## TOOL-MATE



- 4 Dust-Free Drawers


The perfect portable tool organizer for the handyman or hobbyist . . . a workshop at your fingertips! Tool-mate keeps hand tools and small parts handy and organized. 39 dif: ferent tool slots; jumbo storage wells for large tools; and dust-free drawers for small parts. Everything is stored in an up-right, easy-to-use, easy-to-find position. Minutes to assemble ...no tools needed. Size: $11 / 2 \mathrm{R} \times 14 \mathrm{~L} \times 7^{\prime \prime} \mathrm{W}$. Shpg. wt., 3 lDs.
13 R 76243 w

## High Quality Drop-Forged Steel Socket Sets



## 17 PIECE $1 / 4^{\prime \prime}$ DRIVE SOCKET SET

Heavy chrome plated sochet set. Contalns
 Ko", $1 / 2^{\prime \prime}, 8 \mathrm{Pt}$. socket slzes: $1 / 4^{\prime \prime}$, Ko $_{0}$ " Plus $2^{\prime \prime}$ extension, $6^{\prime \prime}$ extension, $51 / 4^{\prime \prime}$ flex handle $44 / 2^{\prime \prime}$ crossbar, $54 / 2^{\prime \prime}$ reversible ratchet. Each set packed In heavy gauge lacquered metal box, Imported, Shpg, wi., $2^{1 / 4}$ lbs.

13 R 55643
Net 5.95

$14^{95}$ . СНrom Р Рйte 21 PIECE $3 / 8^{\prime \prime}$ DRIVE
Precision quality sochet set. Contains: 12 Pt .
 $34^{\prime \prime}$. 12 Pt, deep socliet sizes: $3 / 8^{\prime \prime}, K / h^{\prime \prime}, 1 / 2$ Kot $5 \mathrm{~s}^{\prime \prime}$, $1 \mathrm{~K}_{0}{ }^{\prime \prime}, 3 / 4^{\prime \prime}$, $1 \mathrm{~K}_{0}{ }^{\prime \prime}$, Plus 3 extension $9^{\prime \prime}$ flez handle, $6^{\prime \prime}$ crossbar, universal joint, $8^{\prime \prime}$ reversible ratchet. Packed in heavy gauge red lacquered metal box with handle. Imported. Shpg. wt., $61 / 4 \mathrm{lbs}$,
13 R 55650
Net 14.95


- CHROME PLATED 195 19 PIECE $1 / 2^{\prime \prime}$
Quality steel precision socket set. Contains:
 3/4", 7/8", 'Ko", $1^{\prime \prime}, 1 \mathrm{Ka}_{0}^{\prime \prime} 11 / \mathrm{m}^{\prime \prime}$ and ' $\mathrm{K}_{\mathrm{c}}$ " spark plug socket with neoprene insert. Plus: 5" and $10^{\prime \prime}$ extension, $5^{\prime \prime}$ flex handle, sliding T-bar, 17" speeder handle, $10^{\prime \prime}$ reversible ratchet. Packed in heavy red lacquered metal box with handle. Imporied.
13 F 55635 Shpg, wto, $123 / 4 \mathrm{lbs}$. . Net 19.95



## 11 PIECE $3 / \mathbf{a}^{\prime \prime}$ DRIVE METRIC SET

Handy socket set for foreign car and motorcycle mechanic. Includes 7 mm . socket slizes $-9,10,11,12,14,17$ and $19 \mathrm{~mm} ; 3^{00}$ exten sion; $71 / 2^{\prime \prime}$ reversible ratchet; and "Xo." spark plug sochet (with neoprene insert), in heavy gauge, red lacquered metal storage box with molded inlay. Imported. Shpg. wt. $31 / 2$, lbs.

## Midu Mentive

- CHROME PLATED 1495

25 PIECE $3 / 8{ }^{\prime \prime}$ DRIVE METRIC SET
All sockets have 6 and 12 points. Includes 13 metric standard sockets, 8 metric deep sockets, plus spark plug socket. $3^{\prime \prime}$ extension and $8^{\prime \prime}$ ratchet. All $3 / \mathbf{e}^{\text {" }}$ drive, Comes in steel storage case. Sizes: Standard Socket: 7.19 mm , in 1 mm . increments; Deep Socket. $10-17$ and 19 mm . $\ln 1 \mathrm{~mm}$. increments. Shpg. wt., 6 lbs.
insert.) ad box. Imported. Shpg. wt., $33 / 4 \mathrm{lbs}$.

## 13 R 55585

## PROFESSIONAL TORQUE WRENCHES <br> As <br> Low <br> As <br>  <br> 95

Chrome plated $1 / 2^{\prime \prime}$ drive square with accurate polnter indicating torqoe applied in either direction in $\mathrm{ft} / \mathrm{lbs}$. Direct reading scale calibrated to measure standards traceable to the National Bureau-of Standards. Overall length $201 / 2^{\prime \prime}$. Scale graduated in $5 \mathrm{ft} / \mathrm{lb}$. steps. $0-100 \mathrm{ft} / \mathrm{lb}$. Popular model for auto work. For normal auto maintenance. Shpg. wt., $23 / 4$ tbs.
13 R 01415
Net 11.95
$0-150 \mathrm{ft} / \mathrm{lb}$. unit for larger displacement englnes, trucks, etc
13 R 01423 Shpg. wt., $21 / 2$ lbs.
Net 13.95


- Chrome Plated-Drop Forged Tool Steel

This professional qually 3 in 1 socket wrench does the work of 8 separate tools. Has two revolving heads with carefully broached 12 point sockets. Made of drop forged tool steel for long wear. A com. pact $10^{\prime \prime}$ length makes it a handy addition to any tool box. Socket
 13 R 56211

Net 3.95

## 8 in 1 METRIC SOCKET WRENCH

Similar to above except has Metric sizes: $11,13,14,15,16,17,19$, and 22 mm .

# Tools and Tool Boxes 

MECHANICS' FOUR TRAY CANTILEVER TOOL BOX

- Full Sizè Storage
Compartment -PLUS -
Four Easy-Glide Cantilever Trays


Professional quality tool box. Ideal for machinists, electronics and automotive repairmen. Double cover swings out for easy access to each compartment. Bottom compartment large enough to store bulky tools. Extra-heavy gauge steel. Heavy-duty round handles and padlock eyes for locking. Handsome baked blue enamel finish. Overall size: $17^{\prime \prime} \mathrm{Lr} 8^{\prime} \mathrm{Wx} 81 / 4^{\prime \prime} \mathrm{H}$. Shpg. wt., 16 lbs .

## 13R 56104W

Net 9.95

## HIP-ROOF TOOL BOX

with Litt-0ut Tray $\longrightarrow 4^{95}$
Long lasting, electrically welded heavy gauge steel construction with full-iength hinge. Periect for the home owner, mechanic, or handyman. Plated handle will not break or pull out. tift-out tray for smaller tools. Large storage area for bigger tools, $19 \mathrm{Lx} 7 \mathrm{Wx} 71 / 4$ "D. Shps. wt. $64 / 2 \mathrm{lbs}$
13 R 42500 W $\qquad$ Net 4.95

## STEEL TOOL AND UTILITY BOX

$131 / 2^{\prime \prime}$ long tool box. Cantilever tray with four compartments. Room enough for soldering iron, pliers, screw drivers, wrenches, etc. Pushbutton catch with hasp for lock. Full grip handle. Baked enamel in glossy finish. $131 / 2 \mathrm{Lx} 61 / 2 \mathrm{~W}$ $\times 5^{\prime \prime}$. Shpg. wt., 4 lbs.
14 R 86067 .


Net 2.95

## MINIATURE IMPROVED HOIST

- 2000 lb. Capacity

Simple, reliable hoist enables you to lift as much as 2000 lbs., yet welghs only $1 \mathrm{l} / 2 \mathrm{lbs}$.! Ideal for hunters to hoist heavy game for cleaning, or boat owners to mount outboard engines with ease; can also be used to stretch a chain link fence. Has rust resistant cadmium plated housings, heavy duty welded ring, double grip safety hooks, nylon rollers, and locking device to eliminate slack. Includes high tensile-strength $65^{\circ}$ nylon rope for long life. Shpg. wt., 2 lbs.

Net 5.95
 13 R 19060


BADGER HOBBY \& TOUCH-UP AIR BRUSH KIT


Only - Complete with Air Brush,
$7^{95}$ Vinyl Hose, Air Valve, Mixing Jar, Thinner, 4 lars Paint, and Instructions

[^19]
## HEAVY DUTY MACHINIST'S CHESTS

- Electrically Welded Heavy Duty Steel
- Ten Felt-Lined Drawers - Pin-Tumbler Chest Lock

10 Drawer Machinist Chest with 10 felt lined drawers for storage and protection of tools. Rug. ged construction with integral full length hinges, and full suspen sion drawer slides tor full extension of each drawer. Removable front panel locks when cover is closed and stores below drawers in a fitted campartment when open. Overall size: $81 / 2 \times 174 / 2 \times 20^{\prime \prime}$ tilt in top $81 / 2 \times 4 \times 20^{\prime \prime} .6$ drawers $71 / 2 \times 1 \times 85 / 6^{\prime \prime}$. Others $74 / 2 \times 2 \times 859^{\prime \prime}, 71 / 2 \times 14 / 2 \times$ $181 / 4^{\prime \prime} .71 / 2 \times 23 / 4 \times 181 / 4^{\prime \prime}, 71 / 2 \times 3 \times 181^{\prime \prime}$.
13 R $19540 w$ No Money Down* Shpg. wt., 361/4 Ibs. Net 41.95

## 3 DRAWER TOOL CHEST

An all purpose rugeedly constructed 3 drawer carrying type chest. Drawers have full sus. pension 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 $81 / 2^{\prime \prime} \mathrm{D} \times 10^{1} / 4^{\prime \prime} \mathrm{H} \times 20^{-1}$ fong; $81 / 2^{\prime \prime}$ Dx $101 / 4^{\prime \prime} \mathrm{H} \times 20^{\prime \prime}$ 10ng;
3 drawers - $71 / 2 \mathrm{D} \times 11 / \mathrm{H}^{\mathrm{H} \times 181 / 4^{\prime \prime} \mathrm{L}}$.
13 R 19508 W Shpg, wt., 18 Ibs.
Net 16.95

## 11 PIECE COMBINATION WRENCH SET

## 10 <br> 95 <br> - Full Professional Size <br> - Handy VinyI Roil-Up Kit



11 Piece Combination $80 x$ and Open End Wrench kit. Drop forged alloy steel with bright chrome plated finish. Sizes: $3 / 8^{\prime \prime}$, $/ \mathrm{m}^{\prime \prime}$. $1 / 2^{\prime \prime}$,
 $6^{\prime \prime}$ to $13^{\prime \prime}$ long. Imported. Shpg. wt., $5 * / 4$ lbs.
13R 56138
Net 10.95
14 Piece Wrench Set similar to above plus addition of 1140. 14\%, and $11 / 6^{\prime \prime}$ length of wrenches $6^{\prime \prime}$ to $161 / 2^{\prime \prime}$ long. Shpg. wt., 11 lbs. 13 R 56245

Net 19.95

## ADJUSTABLE END WRENCHES



Adjusts Jaws with a flick 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 easily. Extra long for better leverage.

| Stock Mo. | Size | Max. Jaw Open, | Shipg. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 13 R 55668 | $6 "$ | $3 / 4{ }^{\prime \prime}$ | 8 oz. | 1.79 |
| 13 R 55676 | $8{ }^{\prime \prime}$ | 1 " | 11 oz . | 2.39 |
| 13 R 55684 | $10^{\prime \prime}$ | 11/8" | 1 lb . | 3.19 |
| 13 R 55692 | 12" | 13/8" | 17/4 lbs. | 3.95 |

## Work Benches • Shelves • Insect Killer

## Hirshilitel storage shelves

- Combines Strength Unlimited Arrangements For and Beauty

All Storage Needs
Here's the bright, modern look In steel $s$ corage shelving ideal for offices girages, stores-anyplace where both strength and beauty dictate your storage needs. New exclusive keytole shelf clip is an easier and quicker method of sheff altachment. Split posts permit altermate alrangements of a single unit and an unlimited number of multiple unit arrangements to meet every storage and space requirement. Textured silver shelf finish resists flaking, peeling, rusting; grey posts.
4 shelf Unit: $60^{\prime \prime} \mathrm{H} \times 30^{\prime} \mathrm{Wx} 12^{\prime} \mathrm{D}$.
shpg. wt. 14 Jbs.
13 R 18567W
Net 6.95
5 shelf Unit: $72^{\prime \prime} \mathrm{Hx}{ }^{\prime} 6^{\circ}$ WxIz`D.
Shpg. wt. 23 fbs
13 R 18575 W
6 shelf Unit: 72"H $36^{\prime \prime} \mathrm{Wx} 1={ }^{\prime} \mathrm{D}$.
Snpg. wt., 36 lbs
13 R 18583 W

## 12V. AIR PUMP AND EXHAUSTER

- Plugs Into Cigarette Lighter Receptacle - Inflates And Deflates Objects Effortlessly
This powerful and compact rotary air compressor is sure to be one of the handiest devices you'll ever own!! No more "huffing and puffing" the next time you wish to in flate air mattresses, poots toys, blow-up furniture, etc. Deflating is just as easy: your compressor will exhaust all the air making the folding and storage of your inflatable items a cinct!! With nozale and $10^{\circ}$ cord. 2.7 psi air pressure. 12 V DC. Imported Shpg. wt., 1 lb
13 R 52004

(A) POP RIVETOOL KIT
- Rivet metal to metal, plastlc to wood, fabiic to fabric. Easy to operate, just insert rivet Into tool, place in predrifted hole and squeeze-you have a strong rivet joint. Ideal for hobbyists, electronics, household and auto repairs. Kit includes riveter, and supply of rivets of various sizes. Uses $1 / a^{\prime \prime}$ rivets. Shpg. wt., $11 / 2 \mathrm{lbs}$.
13 R 54018
Net 2.95
(B) DUAL RIVETOOL KIT

Contains the new "Pop" rivetool with two interchangeable nosepieces to set $1 / 0^{\prime \prime}$ steel and aluminum and K". aluminum "Pop" rivets. Includes $1^{\prime \prime \prime}$ " and ${ }^{\prime \prime} 0_{0}^{\prime \prime}$ rivets in as. sorted lengths, and backup plates. Shpg. wt., $1 / 1 / 2 \mathrm{lbs}$.
13 R 54003
Net 4.95
RIVETS FOR ABOVE KITS

| Stock No. | Qty. | Work Thickness | Het |
| :---: | :---: | :---: | :---: |
| 13 R 54026 | 25 | 4/8" | . 49 |
| 13 R 54034 | 20 | 1/6" | . 49 |
| 13 R 54042 | 15 | $1 / 2^{\prime \prime}$ | . 49 |
| Ko" Rivets Aluminum |  |  |  |
| Stock No. | Qty. | Wontr Thickness | Net |
| 13 R 54091 | 15 | $1 / 4{ }^{\text {c/ }}$ | . 49 |
| 13 R 54109 | 12 | $1 / 2^{\prime \prime}$ | . 49 |
| 13 R 54117 | 10 | 56" | . 49 |
| Back-Up (heinforcing) Plates |  |  |  |
| Stock No. | Qty. | Alvet Size | Net |
| 13 R 54059 | 40 | $1 / 6 "$ | . 49 |
| 13 R 54125 | 30 | Kı" $^{\prime \prime}$ | . 49 |



## STEEL FRAME WORK BENCH

Includes Tool Rack, Peg Board Back Panel and Bottom Shelf

A new all-steel frame work bench that is the ultimate in convenience and serviceablilty. The rigid, all steet frame is the core of this complete workshop that will last for years. Features a blig $24 \times 48^{\prime \prime}$ 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 peg board back panel. Base on each leg gives extra support and can be bolted down if desired. Easy-to-assembie, $341 / 2 "$ high. (Tools not Included.) Shpg. wt., $54 \mathrm{y} / 4 \mathrm{lbs}$ I3 R 35041 wx

## ALL-PURPOSE BENCH FRAME

If's easy to make a bench for every purpose -In the garace, store, house, laundry room, playroom, etc. Heavy gauge steel, completely pre-drilled, ready-to-assemble-just add the top. For larger benches, combine 2 or more. Overall: $221 / 2 \times 471 / 2 \times 34^{\prime \prime}$ high. Shpg. wt., 19 lbs.
13 R 35017W
Net 5.95
TOOL RACK. Prepunched to fit frame, $46^{\prime \prime} \mathrm{L}$. $41 / 2^{\mu} \mathrm{H}$.
13 R 35025 W Shpg. wt., 3 lbs. Net 2.29

## "ADD-A-DRAWER"

In only seconds you get a permanent drawer under any flat surface - table, bench, cabinet. shelf, desk, etc. Completely as-sembled-comes with 2 brackets
 and 4 screws for easy instaliation. All-steel drawer with handy knob.
Gray can be repainted any color of your choice. Drawer size: $12 x$ $12 \times 31 / 2^{\prime \prime}$. Shpg. w., $31 / 2 \mathrm{lbs}$.

## 13 R 36023

Net 3.95
POWER MAGNET
Made of Alcomax a material with 12 times the magnetic energy of tungsten steel. Designed for efficient performance/weight ratiowill sift up to 50 times its own welght. Horseshoe shape with plated keeper. Ideal for such applications as magnetic clutch, work holding, etc. size $146^{\prime \prime} H \times 14 ⿻^{\prime \prime} D \times 13 / 4^{\prime \prime}$ W. Distance between poles is $7 \mathrm{~m}^{\circ \prime}$. Imported from England. 14 R 33028 Shpg. wt., $3 / 4 \mathrm{lb}$...... Net 3.29
 ELECTRONIC INSECT KILLER

A special "Alni-

Power push-button $12^{\prime}$ yellow s'eel measurIng tape. Easy to read, red and black. Ft., and Inch markings. $1 / 0^{" \prime}$ and $1 / 6^{*}$ graduations, with zip belt clip
14 R 16056 Shpg. wt.. I Ib........Net 2.79

BUTTON MAGNETS button care fully designed to produce a highly efficient mag-
 netic field. Attachable to any non-ferrous material by non-magnetic screws. Ideal for use most everywhere as magnetic fasteners. Suppiled with plated keeper. Imported from England. Avg. shpg. wt., 402.
STOCKNO. HEIGHT DIA. HOLEDIA. EA.

| 14 R 33093 | 3/8" | 1/2 | 'K's, | 69 |
| :---: | :---: | :---: | :---: | :---: |
| 14 R 33101 | $1 / 2^{\prime \prime}$ | 3/4" | $\mathrm{x}_{6}^{\prime \prime}$ | 99 |
| 14 R 33119 | 5/y" | $1{ }^{\prime \prime}$ | $K_{6}^{\prime \prime}$ | 1.4 |

## POW-O-MATIC STEEL TAPE

- Push Button $3 / 4 \mathrm{In} . \times 12 \mathrm{Ft}$.



An efficient, economical and safe Insect control system with INSECT-O-MATICIM electronic bug killer. Helos kill gnats, mosquitos, moths, bees, and flies in your home, porch, garden, or pooi area without the use of messy inseeticides. Completely electronic system produces no disagreeable odors or harmfut fumes. Operates indoors or out for pennies a cay. Attractive white and black finish. Size- $101 / 2^{\prime \prime} H \times 43 / 4$ "Wx $41 / 2^{\prime \prime} D$. For 117 VAC 60 Hz . Shpg. wt., 2 lbs .
14 R 21130
Net 3.95
Replacement bulb for above ( pk . of 2) wt. $6 \mathbf{0 z}$. 14R21122

Net 1.99


## SELF LOCKING HASP-LOC

Self contained; no need to purchase a separate padlock. No keys required to lock; keys used for opening only. Heavy duty and rust proof. Size $41 / 2^{\prime \prime}$ with 2 keys.
13 R 75054 Shpg. wt., 1 ib.
Net 2.95

Prices and Specifications are Subiect to Change Without Notice

# Sprayers for Handyman-Professional-Hobbyist 

## SPlihyIT. 120 handuman Sprayer



## $29^{95}$



- Convenient Self-Contained Sprayer
- Sprays Oils, Paints, Insecticides, Liquid Wax - Designed for Home Owner or Hobbyist

Thls economy priced portable sprayer is one of the most convenient self-contalned sprayers built. It combines portability with high performance, making it perfect for spraying fences, screens, furniture, insecticides etc. It features an oll-less heavy duty diaphram type compressor. A lightweight constant air flow pressure-feed gun gives excellent resuits with all sprayable materials. Includes 8 ft . rubber air hose and $6^{\prime}$ electric cord. For 117 V AC. Shpg. wt., $10 \frac{1}{2}$ ibs. 14 R B4153W

Net 29.95

## HEAVY DUTY TYPE SPRAYER



- Sprays Oils, Paints, Insecticides, Liquid Wax
- Quiet-running diaphragm type compressor
- 1 qt . aluminum canister

Economy priced portable sprayer designed for the homeowner and hobbyist. Precision engineered throughout to give professional results, Compact. lightweight, versatlie... perfect for those dozens of small jobs around the house, wherever and whenever spraying is needed. The spray gun easily handles paint and other types of sprayable material, Sprayer unit features an internal mix spray gun, adjustable spray pattern, quart aluminum canister with a delrin thread insert to prevent foulling and $8^{\prime}$ alr hose. Easy to operate just plug in any 115 v . outlet. Develops maximum pressure of 40 psi. 7 ft . Dower cord. Shpg. wt., $131 / 4 \mathrm{lbs}$.
14 R 67539 No Money Down *
Net 39.95

## SPRAYIT.

 PRESSURE FLOW PAINT ROLLER KIT- No Dip-No Drip-Feed Paint Directly From Can to Roller


Saves time and steps. Bolts to any standard 1 gallon can. Has 15 ft . supply hose for easy reach. Use with compressors above or any compressor with range from .65 cfm at 20 psi to 3 cfm at 40 psi . Shpg. wt., $84 / 4 \mathrm{lbs}$.

14 R 84096
Net 23.95
$3 / 4$ " Hi-Pile Rolfer for rough surfaces
Only

14 R 84104 Shpg. wt., 5 oz ...... Net 3.79
$3 / 8^{\prime \prime}$ Plie Rolfer for smooth surfaces.
14 R 84112 Shpg. wt., 5 oz. ...... Net 2.75

PORTABLE POWER GENERATOR WITH PERMANENT MAGNET ALTERNATOR


- Produces 115 Volts AC
- 3 H.P. Lauson Engine
- Choice of 1000 Watt or 1250 Watt Models -Continuous Duty
as low as


## $229^{95}$

## No Money Down*

A compact, portable electric power plant for on-the-spot electricity anytime, anywhere. Features a permanent magnet alternator that gives you more power and trouble-free operation - no brushes, armature windings, belts, silp rings or commutators. Dependable Lauson 3 H.P., 4 cycle engine gives easy-to-start, long-life service hour after hour. 11/2 qt. capacity fuel-tank. Standard equipment Includes: visual fuel gauge, visual oil level Indicator, Duplex receptacle, rubber shock absorbing feet, recoll starter and carrying handle. Portable. Compact. 115 VAC

| Slock No. | Continueus Duty |  | ShpE. wh. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 3 R 49018wx | 1000 Watts | 6312 lbs. | 229.95 |  |
| 13 R 49026wx | 1250 Watts | 69 tos. | 244.95 |  |

## SUBMERSIBLE POW-R-PAK PUMPS



- Corrosion Resistant
- Hermetically Sealed Motor
- For Circulating And Dispensing Water

All-new Pow-R-Pak trouble free pumps for underwater use. Circulates and dispenses wster and mild acid solutions for fountains, beverage dispensers, aquariums, photo developing, alr condifioning, etc. Permalubed. Corrosion resistant stainless steel and plastic unit. Overload protection, threaded inlet and outlet. Outlet: E-200 has $1 / 4^{\prime \prime}$ std. plpe thread, E-400, 700 has $7 /{ }^{\prime \prime}$ std. plpe thread. Comes with 6 ft . cord. For 110 volts, 60 Hz . AC. Average size: $2 \mathrm{~F} / 4 \times 4 \times 4^{\mathrm{m}}$.

| Stock No. | Model | cals. per Mr. ${ }_{\text {at }}$ |  |  | $\begin{aligned} & \text { Max } \\ & \mathrm{Ht} \text {. } \end{aligned}$ | Amps | hag. wt Los. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 Ft . | 3 Ft . | 6 Ft . |  |  |  |  |
| 13 R 89048 | E. 200 | 220 | :55 | 80 | 71 | . 40 | 3 | 11.95 |
| 13 R 89055 | E. 400 | 400 | 320 | 220 | 11. | . 91 | 41/2 | 15.95 |
| 13 R 89063 | E. 700 | 700 | 540 | 430 | 13. | 1.9 | 5 | 25.95 |



1300 GPH SUBMERSIBLE PUMP

- Standard Hose Connection Outlet
- Operates at Depths up to 40 ft . Double Epoxy CoatingWill not Corrode
Heavy-duty sump pump of basement bailer, Has long life carbon ceramic seal, thermo-overioad protection, and leal strainer. Standard garden hose outlet. $3 / 4^{*}$ std pipe thread inlet. Ideal for many underwater applications, such as in pools, fountains, etc. Pumps gallons per hour: $1300 @ 2 \mathrm{ft} 1030$ @ $5 \mathrm{ft} 810 @ .10 \mathrm{ft} . \mathrm{B}_{6} 600$ @ 15 ft . $300 @ 25 \mathrm{ft}$. Shut off @ 40 ft 4.5 amps load. $41 / 4 \mathrm{Hx} 7^{\prime \prime} \mathrm{D}$. 110 V 60 cy AC. With cord. shpg. wt., $54 / 4 \mathrm{lbs}$. 13 R $89030^{\circ}$

Net 44.95

## 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, minlature pump for the hobbylst and "Oo-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 reet. Ideal for fountalins, water house plaats, aquarlums, science projects, waterfalls, etc. Pumps water, chemicals, viscous llquids. Requires Just 3 to 12 volts DC. Shpg. wt., 4 oz.

## 13 R 19037

Net 4.49

## TINY TIGER "HUSH TONE"

 PORTABLE GENERATOR

- Economical Gas Driven Motor
- 115 A.C. 350 Watts Electric Power 12 V D.C. 12 Amps. Only 14 los.
Automatic Overload Relief-for Tools, Appliances, Boats
- 12 V D.C. for Battery Charging
- 1 H.P. Motor

Model 5001-1-Lightweight, rugged metal construction! Features a 1 hp, 2 cycle Ohisson \& Rice air cooled engine with a high eapacity magneto ignifton, 6 pint, premixed ( 24 parts gas-1 part oil) fuel capacity allows operation at full power ( $6,300 \mathrm{rpm}$ ) for $21 / 2$ hours. Also features built-in quietness with a larger "Hush Tone" spark arrester mutfier. Dual voltage, direct drive Tiny Tiger generator pro duces up to 350 watts of 115 V ., AC, and 12 amps of 12 V ., DC simul. taneously for charging batteries, for starting cars. boats and trucks. Constant voltage within $110-120$ volts with an automatic overload rellet system, Light enough to carry anywhere ( 14 lbs .) .. small enough to carry in one hand ( $\left.812^{\prime \prime} \mathrm{H} \times 81 / 2^{\prime} \mathrm{W} \times 101 / 4^{\prime \prime} \mathrm{L}\right)$. Shpg. Wt. $161 / 2 \mathrm{lbs}$.
12 R 35522 No Money Down* ...................................Net 114.95 HANDY CARRYING CASE
12 R 35514 Shpg. wt., 6 lbs.
Net 10.95


## \section*{12 VOLT DC} <br> SUBMERSIBLE PUMP

Operates In Any PositionSubmerged or in Open Air When Primed

Ideal For Marine Use
Small enough to fit under marine engine stringers and duckboards, recreational vehicles and moblle homes. Pump dellvers up to 400 gal./hr. (direct discharge) or pumps to $11^{\circ}$ helghts. Lifts water more than $6^{\circ}$ below when primed. Draws 1.5 amp. at 12 volts. Port Connec. thons: Belfe inlet plate and strainer, and $1 / 2^{\prime \prime}$ female pipe threaded inlet plate Outlet is "K" N.P.T. male and will accept $\%$ " I.D, hose. Stainless steel shaft and high impact cycolac case. Size: $21 / 4 \times 21 / 3$ x $512{ }^{\prime \prime}$ 。
13 R 89071 Shpg. wt., $11 / 4$ Jbs.
Net 13.95


WATERFALL KIT
Enhancing waterfall of cas. cading water constantly recirculated by electric pump. Gallons per hour dellvery: 180 at 1 ft ; 140 at 3 ft .; 100 at 5 ft ; shut off at 10 ft . Outlet $\mathrm{K}_{8}{ }^{"}$; inlet $\mathbf{y}^{\prime \prime}$ " pipe O.D. Load: . 65 amps: 43 watts. No concrete needed: complete with instructions. Kit consists of pump, 8 - ft . plastic hose, 7 ft . sealing poly, pump filter. Shpg. wt., $61 / 4 \mathrm{lbs}$.
13 R 89022
Net 17.95

## POWERFUL SELF-PRIMING PUMP

- Easily Connects To Standard Garden Hose


95

## WORKS OFF ANY ELECTRIC DRILL

Now you can pump water, Iubricants, sofutions, and other liquids up to 10 feet vertically or prime a maximum horizontal distance of 50 feet. Compact and economical self priming pump handles up to 200 gallons per hour with 2,000 RPM $1 / 4^{\prime \prime}$ drill at temperatures from $40^{\circ}$ to $180^{\circ} \mathrm{F}$. Perfect for home, farm, or industry to pump out basements, fill of empty tanks, or transfer chemicai solutions. Lightweight, rugged phenolic plastic construction resists chemical corrosion. Fits electric drills like a "bit" and takes ordinary garden hose. Shpg. wt., 1 ib.
13 R 33756
Net 6.95

# Battery Chargers And Booster Chargers 



## LAFAYETTE BOOSTER CHARGER

- 50 Amp. Battery Boost Power
- 10 Amp. Battery Charger
- For 6,8 or 12 volts


## Only $29^{95}$

Starts cars fast in the coldest weather with automatic 50 amp . boost. Perfect for 6, 8, or 12 volt batteries used in trucks, cars, boats, tractors and other vehicles. Operates as a booster and as a 10 amp . charger. Features include: color coded meter indicates battery condition, charging and booster rate, and correct polarity. Full wave charging circuit, triple density selenium rectlfiers Isolated and fully impregnated transformer, and an auto-reset circuil breaker; heavy duty $8^{\circ}$ input cord, and heavy duty $6^{\circ}$ cables with soidered clamps for full output; acid resistant front panel and baked onamel back and sides. All internal components are plated for protection against corrosion. UL listed. Size: $8 \mathrm{H} \times 5 \mathrm{y} / 4 \mathrm{~W} \times 6^{\prime \prime} 0$.
11 R 01062 Shpg. wt., $117 / 4$ Ibs.
Net 29.95

## SCHAUER

## 10-AMP BATTERY CHARGER



- For 6 \& 12 Volts
- With Meter
- Automatic Circuit Breaker
$19^{95}$
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 ammeter shows rate of charge entering battery. Rugged steel case with gold colored finish and two-tone brushed aluminum. Complete with cables. 117 VAC, 60 Hz . U.L. listed Shpg. wt., 12 ivz lbs.
11 R 55191

Net 19.95

## SCHAUER



## 6-AMP BATTERY CHARGER

- Automatic Circuit Breaker
- For $6 \& 12$ Volts
- Built-in Meter

Model 8.6612 charges both 6 and 12 volt batteries at a 6.3 mp rate. Will recharge the average battery in from 3 to 7 hours. Chargef is equipped with an automatic circuit breaker for overload protection. Selector swifch changes operation from one voltage to another. and an accurate numeral dial ammeter shows the exact rate of charge. Case is of rugged steel. Complete with battery cables 117 VAC., 60 Hz . UL Listed. $93 / 4 \times 6 \times 1 / 2^{*}$.
11 R 55183 Shpg. wt., 9 lbs.


## SURE-FIRE 3-AMP BATTERY CHARGER

 $10^{95}$- For Both $6 \& 12$ Volts
- Built-in Meter
- Automatic Reset 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 circult breaker gives automatic overload protection. Has 6 and 12 volt selector switch. Delivers tapering charge. Vented steel case; may be wall mounted. 6 ft . battery leads with 50 amp clips. Size: $6 \times 41 / 2 \times 51 / 4{ }^{3}$. For operation from $105-125$ volt. 60 Hz AC. UL Listed.
11 R 76049 Shpg. wt., 5 lbs.
Net 10.95
 booster Charger

- 100-Amp. Battery Boost Power 6, 8 or 12 .Volts,
- 10 Amp. Battery Charger
- Trickle Charger

As Low As

## $4.45 \begin{gathered}\text { No Money } \\ \text { Down* }\end{gathered}$

Model WS-100.10. Get that extra "punch" needed to get your battery startied in cold weather! Provides 100 amp . booster power, 10 amp . and trickle charging for 8,8 or 12 volt batteries. Ammeter indicates changing current. Fea. tures full wave rectifiers, heavy-duty transformers and an automatic reset circuit breaker. Push-button control panel with reverse polarity indicator light is enclosed in a rugged steel case with a baked wrinkle finish. Steel carrying handle also stores the heavy-duty input cord. U.L. Listed. Size: $12 \times 7 \times 9^{\prime \prime}$. Shpg. wt., $221 / 4 \mathrm{lbs}$.

11 R 76098
Net 44.95
Model WS-200.20 similar to above but with extra heavy-duty 200 amp. boost power, 20 amp . charger with trickle charge. For 6,8 or 12 volts. Slze: $12 \times 9 \times 9^{\prime \prime}$. Shpg. wt., $321 / 4$ lbs.
IIR 76106 W No Money Down*
Net 64.95

## SURE-FIRE 8-AMP AUTOMATIC BATTERY CHARGER WITH 6-HOUR TIMER



- For 6 \& 12 Volts
- Colored Meter Automatic 6-Hour Timar
- Trickle Charge

Automatic timer can be set from $5-\mathrm{min}$. to 6 -hrs. After timer shutsoff, charger automatically into a trickle charge cycle which keeps battery fully charged. Uses selenium rectifiers and features automatic circult breakers. Color meter shows rate of charge. With $6^{\prime}$ power cord, $50-\mathrm{amp}$ clips attached to battery cables. 117 VAC. $10 \times 61 / 2 \times 71 / 2^{\circ \prime}$. UL Listed. Shpg. wt., $113 / 4 \mathrm{lbs}$.
11 R 76072
Net 24.95
HY-CHARGE* 2 -IN- 1 BATTERY CHARGER


- For 6 \& 12 Volts
- Automatic Circuit Breakers

695

The Hy-charge battery charger keeps all 6 and 12 volt batterles fully charged for peak performance even at $40^{\circ}$ below freezing. Full 1 amp. "safe" charge rate prevents flacking and plate buckling - Has automatic circuit breakers to prevent overloading. Easy to use-plug the line cord into any 110 V outlet, connect the two terminals to battery. Can't overcharge-automatically tapers off. With handle and wall-bracket. Size: $5 \times 31 / 2 \times 3^{\prime \prime}$. Shpg. wt., 3 ibs.
It R 76023
Net 6.95


Hundreds of uses: Operates IV's, powertools, barbecue motors, IIghts, hedge clippers, or, appllances using 117 V ., 60 Hz AC. Has self-contained 30 amp . rechargeable wet storage battery. Frequency stable within $1 / 2$ cycle with load changes. Plugs into AC outlet, or, car cigarette lighter to recharge battery. Has automatic overcharge protection. Meter shou's charge rate and hours of anticipated out-山ut. Size: $12 \times 51 / 2 \times 88^{\prime \prime}$. Shpg. wt., $363 / 4 \mathrm{lbs}$
11 R 63161 No Money Down*
Net 78.79

# terado-C.D-TRIPP ITE Inverters 

 TERADO SOLID.STATE LOW ASDC-to-AC INVERTERS 1545

- Transistorized
- 110 Volt AC Electricity NO MONEY

From Your 12 Volt Battery ${ }^{0 C W N}$ *


Compact and convenient power twerters. Converts 12 Va to 110 V 60 cycies AC. $\dagger$ Features frequency regulation $\pm 1 / 2$ cycle with changing input load and voltage. Idea for tape recorders. Complete with battery cables. $\ddagger$

| Stock No. | Mtgr. No. | Wat's Cont. interm. |  | Size | Shpg. Wt. Lbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11\%53013 | 50170 | 125 | 150 | $107 / 4 \times 6 \times 6$ | 1174 | 45.45 |
| 11 R 63153 | 50205 | 140 | 175 | $103 / 4 \times 6 \times 6$ | 1134 | 51.50 |
| 11 R 63203 | 50128 | 450 | 500 | $6 \times 6 \times 121 / 2$ | 193/4 | 97.17 |
| 11 R 63237w $\dagger$ | 50201 | 150 | 175 | $10 \% 4 \times 6 \times 6$ | 161/2 | 100.51 |

## TERADO "SENIOR" DC TO AC INVERTER

Vibrator type inverter. Has automatic fre quency control. Converts 12 vol is $D C$ to 110 volts, 60 cycies AC. Frequency regulation $\pm 1 / 2$ cycle. Filtered. Plugs into cigarette lighter. With battery cables. Size $21 / 2 \times 21 / 2 x$ $4 \mathrm{M}^{\prime \prime}$. Output 40 W . constant, 50 Intermittent. 11 R' 63062 shpg. wt., $21 / 4$ lbs. .... Net 20.16


## TERADO "DYNAMO" 日C TO AC INVERTER

Operate any small radlo in any 12 volt car, truck, boat or traller. No Installation-just plug into cigar lighter. Operate electric shaver or any electric appllance up to 25 watts. With generator condenser and ignition nolse suppressor. Slze: $2 \times 2 \times 3 \frac{3}{4}$ 11 R 63179 shpg, wt., 2 lbs, ....... Net 16.47


## TRAV-ELECTRIC "AUTRSHAVER"

Operates all electric shavers. Plugs into cigarette lighter. Polyethylene non-breakable case. Size: $33 / 4 " W \times 21 / 4{ }^{-1} \times 41 / 4{ }^{" H}, 12$ volts $15-20$ watts. Shpg. wt., 2 ibs. I1R 8304712 Volt Net 11.85


## TERADO SOLID-STATE INVERTER-CHARGER

- It's A Battery Charger
- 

Mapk I, portable, transistorized 450 to 500 watt inverterl
 charger. Converts 12 volts CC to 117 V ., AC household current. Designed for use in cars, mobile homes, and boats to operate radios, recorders, televisions. Nahts. electric tools, and test equiprent from any 12V., 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. $121 / 2 \times 6 \times 6^{\prime \prime}$. Shpg. wt. $201 / 2$ ibs.
11 R 63260 W No Money Down Net 108.50

## CORNELL DUBILIER

 DC TO AC INVERTER
## 495 No Money

- Delivers 125 Watts Continuously
- Features "Hash Free" Filtering
 For Interference-Free Meception
Ideal for ears, boats, nouse trailers, campers, etc., as a source of AC power independent of power lines. Converts 12 volts DC to $110-120$ volts AC at 60 Hz , Designed primarily for television receivers, tape recorders, phonographs and other frequency sensitive devices. Specifications: Input: 12 volts @ 12 amperes (full load); Output: 120 watts continuous, 140 watts intermittent; RF Fiterint: both input and output; Size, $83 / 4 \mathrm{~L} 71 / 2 \mathrm{Wx} 33 / 4$ "H. Shpg. Wt., $151 / 4 \mathrm{lbs}$. 11 R 18256 W

Net 42.95
Model MK-3544-4 Mounting tei-Heavy flanged plate for bulkhead or floor mounting. Includes hardware and instructions.
11 R 18264 . Shpg. wt., $21 / 4$ tts.
Net 3.60

- See Page 22 for Full Credit Details on Easy Pay Plan

- Delivers 150 Watts Continuously
- Fused to Protect Battery

- Provides Household Current Anywhere

Model PV- 150
A low-cost transistorized inverter which changes 12 -volt DC to 115 volt 60 Hz AC. Delivers 150 -watts continuously: 175 -watts intermittently for shavers, recorders, radics. TV and many other appliances. Has on-off swith and replaceabse fuse. Rugged construction. Size: $5 \times 5$ I $34 / 2^{\prime \prime}$. Shpg. $\mathbf{w t}$., $33 / 4 \mathrm{lbs}$. It R ess05 No Money Down*

## TRIPP LITE 100 WATT TRANSISTORIZED INVERTER $29^{95}$

- Converts 12 Volt DC to 115 Volt AC
- Delivers 100 Watls Continuously
- Plugs Into Lighter


MODEL PY-100 Designed to give instaat AC power where fast emergency senice is needed. Lightwelght, low-cost Inverter converts 12 volts DC to 115 V ., 60 cycles $\mathrm{AC}_{\text {; }}$ delfivers 100 watts continuously. Specifically engineered to power televislons, and tape recorders in cars, boats, planes, or moblle homes. Incorporates 2 -power switchIng transisfors. Complete with cigare?te lighter plug, and standard AC outlet. Size: $43 / 4 \times 43 / 4 \times 3^{n}$. Shpg. wt., $61 / 4$ ibs. If R 89547

Net 29.95

## TRIPP LITE 350 WATT TRANSISTORIZED INVERTER $69^{95}$

- Use It In Your Car, Boat, Trailer, Plane


Model PV 350. Converts $\mathbf{1 2}$-Volt D.C. current into $\mathbf{1 1 5}$-Volt A.C. Enables you to operate your house apoliances and tools in your car traller, boat. plane, etc. Delivers 350 watts continuously, 385 intermittently. 8 power transistor circultry for power boost. Advanced design has no moving parts to wear aut. Inverter puts less strain on your battery, allowing your tool or appliance to do a quicker, better job. Mounts easily on any flat surface. Size: $31 / 2 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 9^{\prime \prime} \mathrm{D}$. Shipg. wt., 10 lbs.
11 R 09570 W No Money Down *
Net 69.95

## TRIPP LITE ALL SOLID STATE POWERVERTERS



- Combination Power Inverters and Battery Chargers

MODEL PV-200-B-200.WATT INVERTER, 5 AMP BATTERY CHARGER. Converts 12 -volt DC to 115 -volt 60 cycle AC, delivers 200 watts continuously. 220 watis intermittently. 4 power transistor circuitry for power boost. Battery charger is rated 5 , amp, has automatic contral which tapers current down to prevent overcharging. Size: $31 / 2 \times 5 \times$ $54 / 4$ ". Shpg. wt., $71 / 4 \mathrm{lbs}$.
11 R $895: 3$ No Money Down*
Net 54.95
MODEL PV-500-8-500 WATT INVERTER, 10 AMP BATTERY CMARGER. Rugged, heavy-duty inverter with 500 watt continuous output. 550 watt intermittent. 10 power transistors; hash-iree TV, AM-FM reception. Battery charger rated at 10 amp , polarity protection in case of incorrect hook-up. Pitot light warns against overloading. Buit-in rack handles. Size: $51 / 4 \times 91 / 4 \times 9^{n}$.
II R 89562 No Money Down* ......Shpg. wt., 193/4 lbs....... Net 109.95
Lafayette Cat. No. 720371

# LAFAYETTE Automotive Test Equipment 



A complete ready-10-use Dwelf 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 englne. Giant 6 $1 / 2$ easy-to-read meter makes it simple for anyone to adjust points and carburefors to insure maximum gas economy and quiet engine running. RPM readings are also essential to properly service automattic transmissions. Three dwell angle scales are provided; o to 45 degrees, $0-60$ degrees, and 0 to 90 degrees. This instrument is suitable for dwell angle adjustment on afl forelgn and domestic cars. Dual range tachometer 0 to 1000 rpm for precise carburetor adjustments. 0 to 5000 rpm , suitable fo making all other tests at nlgh engine speeds. Complete with instruction manual. Shpg. wt., $31 / 2 \mathrm{lbs}$.
11 R 01013 w
Net 28.95

3½" DWELL TACHOMETER


Electronicaliy tune your car! This Dwell-Tachometer permits setting the carburetor for maximum efficiency, gas economy and greater power: Indicates the correct point gap setting electrically (even it the points are pitted or corroded); permits setting points wit the distributor cap off and engine craniking, and permits setting points on "Window" distributors with engine running. It als locates defective spark plugs; permits correct engine RPM setting for automatic transmission adjustments, throttle linhage and idle adjustment. RPM scale: $0-3000$; 8 -cylinder dwell: $5-45^{\circ}$; 6 cylinden dwell: $20^{\circ}-60^{\circ} .4$ cyllinder reading obtained by doubling 8 cylinder scate reading. Two-color scale. Small and compact-measures only $61 / 4 \times 3 y / 4 \times 2^{\prime \prime}$. Complete with Instruction manual. Shpg. wt., $11 / 4$ lbs. 11 R 01054

Net 16.95

## DELUXE AC OR DC-POWER TIMING LIGHTS




- Ultra-Brite Zenon Strobe Tube


## DC POWER TIMING LIGHT

Chrome finished DC-power timing light. The uitimate in a mechanics light. Ultra-britiant blue white zenon strobe tube glves bright light for day or night ase. Rugged case; designed for operator to reacn inaccessible timing marks. Simple replacement of renon bulb. For 6 and 12 volt battery. On/0tf Switch. Shpg. wt., $13 / 4 \mathrm{lbs}$.
$\begin{array}{ll}11 \text { R } 42405 \\ \text { Same as above in kit form } & \text { Net } 22.95\end{array}$
11 R 42470
Net 16.95


- Avallable in Wired or Kit Form


## AC POWER TIMING LIGHT

Deluxe 110 volt AC power timing light. Uses ultra-brilliant white zenon strobe tube. For day or night use. Plugs into any 110 volt AC IIne, insures maximum light regardless of condition of vehicles battery. Rugged black case with power cord and On/0ff switch. Shpg. wt., $11 / 2$ lbs
11 R 42397
Net 12.95
Same as above in kit form 11 R 42488

Net 10.85

KARCHECK PROFESSIONAL D.C. POWER TIMING LIGHT

- Rugged Chrome Die-Cast

Metal Case

- Super Brilliant Blue-White Xenon Tube

A professional tool In every respect. Gives ample flash intensity to overcome any sur. roundling light conditions. Connects directly to the car battery with shock-mounted internal components to take constant use without damage. Features: trigger actuated for longer bulb life, prefocused, unbreakable lens, burn-out proof and shock protected, heavy-duty clips electronically bonded to leads, grease and oll resistant leads. FlexGuard strain-relief bushing at base of handie, Operates on $6 \& 12$ volt batterles to service domestic and forelgn cars, universal spark plug adapter. Tests: Engine timing/ Vacuum adavance/Mechanical advance/Hightension circults.
11 R 43502 Shipg. wt., 31/2 Ibs. Net 26.95

TIMING LIGHT WITH REMOTE STARTER


Deluxe neon prefocusing light. Cranks engline from the outside-checks polnts, bearings and tappets. The remote starter is also useful In testing the fuel pump, generator, compression and electrical system. For 6,12 or 24 volt systems. Shpg. wt. $11 / 4$ los. II R 42082

Net 5.95

## DELUXE SOLID-STATE ENGINE ANALYZER

For All Electrical Systems 6, 12,24 or 32 Volf -Regular, Transistorized or Magneto Ignizion, 8, 6 or 4 Cylinder 4 or 2 Cycle Engines.

# ONLY <br> $49^{95}$ <br> No Aloney Down* 

- Large 6" D'Arsonval

Double Jeweled Meter

- Do-It-Yourself instruction Book

Solid-State Engine Analyzer Will Test:
Dwell or Cam Angle
Measure Engine Speed
Adjust Carburetors
Adjust Points
Check Condensers
Check Coll Resistance
Measure Carbon Suppressor Spark Plug Cables Check Batteries
Test Alternators, Generators \& Regulators
Check Shorts \& Opens In Wiring
Checks All Lamps. Fuses, Relays \& Switches
Check Alternator Diodes


Performs "FIFTEEN" authorltative tests under actual operating conditions; Tests output voltages in three separate ranges: $0-3.2,0.16$, $0-32$ vbC. Determines the condttion of batteries, battery cables, spark plug wires coil wire, solenoids and starter motors. Permits precise setting of distributor points (cam-dwell angle) and test centrifugal advance mechanism on three scales: $0.45^{\circ}$ for 8 -cylinder, $0-60^{\circ}$ for 6 -cyllinder, and $0-90^{\circ}$ for 4 cylinder. RPM scales allow precise setting of carburetor air/fuel mixture and engine RPM in four separate scales: 8 or 6 -cylindes (low) $0-1,200$, (high) 0.6000 ; $4-c y l l n d e{ }^{2}$ (low) 0-2400, (high) $0-12,000$. Measures amps from -5 to +90 . Resistance scale from $0-100,000$ ohms. Operates on single "fg" cell battery. Complete simple operating instructions. De. talled information supplied by make and madel. Rugged steel case finished in baked enamel. Rear storage compartment holds 51/2' leads, clamps, plug jacks and connectors. Size: $12 \times 61 / 2^{\prime \prime} \times 6^{\prime \prime}$. Shpg. wt., 73/4 lbs.
11 R 24E02
Net 49.95
99 R 63661 Battery For Above
Net


For All Electrical Systems 6, 12, 24 or 32 Volt - Regular, Transistorized or Magneto Ignition, 8, 6 or 4 Cylinder 4 or 2 Cycle Engines.

## SOLID-STATE ENGINE ANALYZER

only $39^{95}$

- Large 6" D'Arsonval Double Jeweled Meter - Tunes Up Electronically, Any Car Made

For diagnosis \& repair of electrical systems a carburetion in modern automatic engines. Analyzer will test: Dwell or cam angle, \& Engine speed, Aids in adjusting carburetors, points, condensers. Ranges: Tach., Features; HIgh and Low scales. 8 cyl., 0.1200 RPM, $0-4500$ RPM. 6 cyl., $0-1600$ RPM $0-5000$ RPM. 4 cyl., 0.2400 RPM, $0-9000$ RPM. Dwelli- 8 cyl., $0-45^{\circ}, 6$ cyl., $0-60^{\circ}, 4$ cyl., $0-90^{\circ}$. Analyzer will also check: coil resistance, batteries, shorts a openings in wring, alf lamps, fuses, relays, switches and diodes, including alternator and protector diodes. Measures Cartbon suppressor spark plug cables and it can be used to test alternators, generators, \& regulators. special scales: Voltmeter, $0-16$ Volts with charging ranges for both $6 \& 12$ Volt automotive systems, Amperes, -5 to +90 . $0 \mathrm{hms}, 0$. 100,000 . Operates on a single (AA) cello Shpg. wt., 6 lbs.
11 k 24528 No Money Down*
Net 39.95
S9 R 63703 Battery for Above
Net . 15

## DUAL-RANGE <br> TACH-DWELL <br> POINTS TESTER <br> $24^{95}$

- Large 6" D'Arsonval Double Jeweled Meter
- Electronically Tune Any Car
Hand held mechanics quallty Dual Range Tach/Owelf for 4, 6 , or 8 cyl. engines. 6 or 12 volt Ignltion systems. With high i low Tach scales: 0-1200 RPM, 0-6000 RPM. Used to adjust idle, eliminate creeping, or stailing, spot, weak plugs, cylinders, valves, distributor advance. Dwell Meter: has 0-45 ${ }^{\circ}$ \& $0.60^{\circ}$ range. Giant $6^{\prime \prime}$ Vista-Dial scale permits accurate setting + or $-1 \circ$. Point resisfance, calibrated to indicate if new points required, correct hard starting, improve high speed operation. Features: Simple hook-up color-coded scales for easy reading, with complete instructions. Shpg. wt., 3 lbs.
$11 R 43510$ Net 24.95


## AUTOMATIC TACH-N-DWELL

$29^{95}$


- Dual Meter Lets You Read Engine Speed \& Dwell Angle Simultaneously
Now! In seconds detect proolems in the primary ignition circuit that cause slow starting. rough ldling, excessive gasoline consumption, poor acceleration and sluggish high speed passing. Makes simul. taneous tests of dwell and RPM; lets you perform protesslonal electronic fune-ups on both 2 and 4 cycle engines. Operates on 6, 12 or 24 volt systems. Front panel features two (one for Dwell; one for RPM) targe 41/2" double jeweled D'arsonval meters with color-coded meter laces for easy, accurate readings- three tach ranges, plus three owell ranges provide all the necessary ranges for virtually every engine. Self-contained solid-state circultry eliminates adjustment and burn out. Complete with carrying handle, color-coded test leads. Housed in sturdy steel cabinet with baked enamel finish. Size: $123 / 4$ x61/4843"
11 R 24510 Shpg. wt., 67í ibs.


# AUTO GAUGES AND TEST EQUIPMENT 

## DELUXE $31 /{ }^{\prime \prime}$ GAUGE AMMETER -WATER-OIL PRESSURE <br> 

- All Electric-No Tubing

End guess work and space problems with this beautiful three-in-one gauge. Illuminated dial face gives accurate Individual resdings of oil pressure, amperage, and water tempers: ture. Amp. gauge reads - 60 to +60 , oil 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 alternator or generator electrical systems. Handy $360^{\circ}$ universal mount and durable chrome zinc die cast case. Supplied with wire, adjustable mounting ring, and senders. 11 R 42033 Shpg. wt., 21/2 Ibs.

Net 19.95 OIL AND AMMETER GAUCE- Similar to above, less water temp. gauge. 11 R 42041 Shpg. wt., 2 $1 / 4$ lbs.

Net 16.95


DELUXE 3Y4- TWIN VACUUM GAUGE. Automatically shows milles per gallon. Saves up to $40 \%$ of your gasoline dollars by showing you how to drlve for the best economy of power. Checks your engine constantly by measuring its manifold pressure on a clear, four color Illuminated dial. With $360^{\circ}$ universal mounting, zinc die cast case, T-connector, 6 ft . vacuum tubing, steering column mount ring and instructlons. Fits any car.
It R 42058 Shpg. wt., $13 / 4$ lbs. $\qquad$ Net 12.95

$32^{35}$

- 0.1600 and 0.8000 R.P.M. $0-60^{\circ}$ Dwell, 0-16 Volts - Positive or Negative Ground, 4-6.8-CyI., 6 or 12 Volt Systems


## Uni-Tach Dual Purpose Tachometer

- Can be Dash Mounted or Used as a Tune-up Tester Use it as a mounted instrument on your dash or console, or as an engine tune-up tester. As an engine monitor, the tach gives you instant readings, critical for top performance. As a tune-up tester, the tach gives you the necessary, instrumentation to do your own money saving tune ups. Jeweled D'Arsonval movement provides pinpoint accuracy. Comes with all accessories including cable, hard. ware, test leads, operating instructions, and Tune-Up Guide and Test Log. Easy to install-only three simple connections to make. No tools required. Shock mounting for in-ca- use. Black dial face has white numerals and red pointer. Size: $61 / 4: 31 / 4 \times 2^{\prime \prime}$. Shpgo wt. 3 lbs. 11 R 66511 No Money Down

Net 32.95

## TUNE UP KIT

## $10^{95}$

- Tunes Engine for Maximum Efficlency
- For Accurate Ignition Timing Of Any Engine
Tune up the Important systems of your car, truck or marine engine. Kit includes compression tester, vacuumí fuel pump tester and timing light with remote starter switch. Compression tester locates valve, ring, piston and cylinder troubles. Big $21 / 2^{\prime \prime}$ dial is calibrated $0-300 \mathrm{lbs}$. pressure. Vacuuni and fuel pump fester checks pressure and suction of fuel pump and vacuum system. $21 / 2^{\prime \prime}$, dial callbrated in $0-30$ inches and $0-3$ lbs. Comes with rubber tubing for easy connection. Prefocused timing light features remote starting switch. For 6,12 or 24 volf systems.
IT R 42090 Shpg. wt., $21 / 2 \mathrm{lbs}$.
Net 10.95



## PRECISION IGNITION POINT SETTING TOOL KIT

Set points without finding high spot on cam or removing distributor. Even does dual points in one operation. Includes 5 -mlcroprecision rings with feeler gauges, adapters. and toof for hex-wrench GM points. List of popular cars displayed inside cover of box. Shpg. wt., 7/4 lbs.
11 R 31507
Net 5.50

## SPARK PLUG AND 6 AND 12 VOLT TESTER



- With Retractable Test Probe Needle And Alligator Clip

For testing 6 and 12 volt wiring systems on cars boats, trallers, or any low voit system. Test spark plugs, check fuses, find faulty sockets, shorts, broken wires. Quick easy visual test. Neon flash tells the story. Shpg. wt., 4 oz.
II R 31515

(A) COMPRESSIOM TESTER Shows worn or defective rings, pistons and cylinders. Easy-toread $21 / 2$ " dial, calibrated from 0.300 lbs. Has offset stem and rubber nose cone to fit all spark plug noles.
11 R 42074 ShDg. wt. 10 oz. .. Net 3.19 (B) VACUUM and FUEL PUMP TESTER indlcates woin or faulty parts in fuel pump or vacuum system. Easy to read $21 / 2^{\prime \prime}$ dial matches dial on compression tester, callbrated from $0-30$ inches vacuum and 0.7 lbs for pressure. Aids In setting timing, adjusting carburetor or tuning motor.
II R 42066 Shpg. wt., 10 oz. . Net 3.19
(C) PISTOL-GRIP TIMING LUCHT gives brilliant light for precision setting of ignition timing. Neon light for 6, 12 and 24 Voit system. 11 R 43528 Shpg. wt., 12 ox. ... Net 3.29
(D) REMOTE STARTER SWITCH permits opera. tion of starter and turning over of engine from outside of car when adjusting points, valves, testing compression, etc.
11 R 17027 Shpg. wt 6 or .... Net 2.49

COMBINATION SPARK PLUG AND IGNITION GAUGE


- Gap Points: Spark Plugs with One Tool Handy combination of wire and narrow blade sizes to check majority of all required Ignttion gap tolerances. Fifteen $13 / 4 \times 1 / 4^{\prime \prime}$ blades, thickness: . 012, .013, .014, .015, .016, .017, .018, .019, . $020, .022, .024,0.25, .028, .030$, 032. Eight wire gauges: 022, .025, .028, $.030, .032, .035, .038$, and .040 , One Tungsten File.
14 R 52077 Shpg. wt. 8 oz..... Net 2.39


# "CUSTOM RALLY STYLED" Auto Gauges 

$31 / 4^{\prime \prime} 270$ "WIDE-SWEEP" TRANSISTORIZED TACH

## $29^{9}$ 95

- Precision 0-10,000 RPM Scale
- For 4, 6, or 8 Cylinder

Our finest tachometer features a wide sweep $3 v_{4}$ " Jlluminated black and white scale, precision D'Arsonval movement calibrated to $2 \%$ accuracy. 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 unaffected by vibration. Has deluxe $34 / 2^{\prime \prime}$ deep heavy chromed and buack housing and $360^{\circ}$ universal mounting for dash, console, or steering column mountint. For transistor or regular Ignition systems at 6 of 12 volt positive or megative ground and zero adjust. Shog. wt., $11 / 2$ Ibs.
11 R 42512


DELUXE $270^{\circ}$ OIL PRESSURE GAUGE/AMMETER

Net 29.95
DEUXX $270^{\circ}$ OIL/WATER GAUGES/AMMETER

## - Shift Set Needle

- 0-8,000 RPM
- For 4,6 , or 8 Cylinder

An attractive $34 \mathrm{~s}^{\prime \prime}$ IHluminated black and white face tachometer with precision $0-8,000$ RPM scale, 200 RPM divisions, and adjust. able shift Indicator. Factory eallbrated transistorized circultry with precision D'Arsonval meter assures steady, accurate readings throughout the entire range. Can be used with transistor ignition systems. Has $360^{\circ}$ universal mount $142^{\prime \prime}$ depth slim line case with hooded bezel for easy dash mounting on compacts or on steering wheel column. Complete with instaliation kit. Heavy chrome and black wrinkle construction. For 6 and 12 V positive of negative ground.

# 31/4" SLIMLINE transistorizeo tachometer 

# Electronic Ignition Systems For Your Car 



- Quick, Easy Installation
- Constant Spark to 10,000 RPM
- Extremely Low Input Power -Less Load On The Engine
MARK 10 WIRED Combines all the advantages of capacitive discharge with those of solid state circuitry. Eliminates point bounce problems and positively fires plugs regardless of polint condition. Fast rise time sparh prevents fouling from three to ten times. Point contacts last indefinitely. Eliminates mis-firing, reduces oil contaminants, prolongs engine iffe. Provides smoother and more efficient operation at all speeds; constant spark up to 10,000 RPM; with dramatically improved acceleration and economy. Provides faster, easler starting in all weather. Unit operates with all commercial and original tachometers. Installs immediately with two simple connections to the existing coil, leaving the standard system intact. No temperature fimitations- 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. wh., $21 / 2 \mathrm{lbs}$. 11 R 84506 No Money Down**

Net 39.95 MARK 10 KIT. Same as above in kit form. 11 R 84514 Shpg. wt., 21/2 Ibs.

Net 29.95


Offers every benefit of the Mark 10 system, plus more power and more features. The Vari Spark $(9$ circuitry controls the spark duration as well as the spark intensity over all ranges of operation. Specifically for modern day engines with emission control devices . . . helps overcome operational problems caused by poor manlfolding, leaner mixtures, and variations in gasoline. Rough idling, surging, slow starting, hesitation during acceleration, and extremely poor mileage are now dealt with effectively and efficiently. Handy switch for instant comparison with standard ignitlon. Rugged housing with neoprene seals affords dust and moisture protection. For any 12 volt negative ground system. Installs immediately with two simple connectlons to the existing coil, leaving the standard system intact. 11 R 84522 Shpg. wt., 3 Ibs. No Money Down*


## JUDSON <br> ELECTRONIC MAGNETO IGNITION SYSTEM

 $39^{95}$- Quick, Easy Installation
- Silicon Components
- Reduces Fuel Consumption

Positively improves performance! Lihe a mechanical magneto used on racing cars, the electronic magneto provides a minimum of 30,000 volts with the fastest rise time of any system available. Like having a permanent tune-up; doubles plug and point tife, gives 2 to 6 miles more per gallon, allows instant starts in sub-zero weather . . . even with heavy carbon deposits and fouled plugs, helps your engine to develop its highest potential horsepower under any conditions. Operates on 6 or 12 volt systems; single or dual point. Will not interfere with operation of radio, electronic or ignition test equipment. Uses sillicon components . . . Is fully protected by zener diodes. Completely seated against water and corrosion. Simplo installation by transferring wires from present coil to the magneto and connecting an additional wire to ground and you're ready to go! Size: $71 / 2 \times 31 / 2^{\circ}$. Shpg. wt., $41 / 4$ lbs.
11 R 35508 No Money Down* ................................... Net 39.95

## MOTOROLA CAPACITOR DISCHARGE IGNITION SYSTEM




No Money
Down*

- With Silicon Controlted Rectifier - Extends Point And Plug Life - Quick Easy Inställation

A complete Ignition modemizing kit giving your car the added efficiency and economy of electronic switching. Operates by a simple connection to the existing coll and distrib. utor breaker point. For any number of cylinders. The "CDI 12"" features a capacitor discharge current and higher constant voltages for maximum combustion and improved miles per gallon. The heavy-duty mounting unit is epoxy coated for moisfurs and dustproofing. Fully suppressed for excellent
radio reception. Instaliation is simplified by damage proof circuit protected from reverse polarity or open secondary leads. Shorter, more powerful sparks at plugs increase combustion, reduce plug wear, Increase engine life many times. Overall increase in performance, acceleration and gas mileage. Designed for cars with 12 -volt negative ground systems. Shpg. wt., 37/4 lbs.
11 R 75066
Net 59.95


376

## ELECTRONIC IGNITION SYSTEM

\author{

- Quick Easy Installation <br> - Improves Performance and Gas Mileage
}

Install a Judson SEE/DEE Electronic Ignition System on yoür car. It provides the dependability and performance required for the modern high speed engine. The current for the See/Dee system is com. pletely controlied by a zener diode. It provides for a better and smoother running engine plus faster starting. In addition point and plug life are extended and there is a reduction of ignition fallure and tune-up requirements. Good for a 6 or 12 -volt battery and single or dual point negative ground systems. Shpg. wt., 1 lb .
11 R 35516
Net 19.95

- See Page 22 for Full Credit Details on Easy Pay Plan


## "DO-IT-YOURSELF" Auto Accessories

## REAR WINDOW DEFROSTERIDEFOGGER KIT



- Adjustable Louvers Direct Air Where Needed

Eliminates the hazardous driving condlitions caused by Steam, Fog, Frost on rear windows. Air drawn from interior of car blankets rear window. Removes condensation and frost. Prevents accumulation of snow while car is in motion. Unit is easily installed in trunk; does not interfere with spare tire or luggage space. Adjustable louvers to direct flow of air are recessed; will not interfere with vision or rear deck space. Dash switch controls defroster operation. Kit includes heavy duty motof, defroster hoses, adjustable louvers, switch, wiring, templates, and installation instructions. Fits all cars, (excepi station wagons, convertibles, and rear engina cars) for 12 volt electrical system; Shpg. wt., $51 / 4$ los:
11R 12507
Net 16.95

## REAR DECK AUTO FAN

## - Defogs Rear Windows For Better Vision and Safer Driving

Keeps your rear window clear. Does not obstruct vision. Completely enclosed motor and fan for added safety. With universal mounting bracket for mounting on dash or rear deck shelf. Has variable height adjustment, with on-off swltch, necessary hardware, 15 feet of wire, and instructions. For 12 volt cars. 11 R 51505 Shpg. wt., 1 lb... Net 5.95


## SEQUENTIAL SIGNAL FLASHER

$$
13^{95}
$$

For 3-8ulb Tall light

- Convert Your Turn Signals To A Moving Line of Light


Convert your car's three 18 mp rear turn signals so that they flash on in sequence, creating the effect of a moving line of ilght pointing the way you intend to timm. Rugged and reliabie both right and left signal circuits are complete in one compact unit. A safety Innovation. Easy-to-instail . . . all wiring done at signal lamps. Shpg. wt., $1 / 4 \mathrm{lb}$. For 12 volt negative ground only. 11 'R 34519 For 3-Bulb Taillight

Net 13.95

## LITE BUZZER



- Reminds You To Turn Off Your Lights When You Park Your Car
- Saves Battery and Service Charges

Sounds off with an audible noise when you turn off your ignition without turning out your lights. Saves your battery, service charge. Easy to instalf. Mounts under dash. Shpg. wt., 502.
11 R 50010
Net 2.95

## PRE-CUT

SPARK PLUG WIRE SETS

- Radiation Suppression Type
- Molded Boots


Pre-cut universal spark plug wire set with molded angle boots at one end and molded straight boots at the other end. Features full precut wire lengths. Simply clip off the unneeded boot to make a custom spark plug wire set, Radiation suppression type with Hypalon sheathing. Complete kit includes all the necessary parts for 6 and 8 cyl inder applicatlons. Shpg. wh., $11 / 2 \mathrm{ibs}$.

EASY TO INSTALL 21 ELECTRONIC SPEED CONTROL


- Does Not Affect Braking or Instant Pick-up
- Helps Adhere To Pasted Speed Limits
- Sets Fast Idle for Quick Cold-Weather Warm-up

An Electronic Cruise Control which enables you to drive at a constant speed ower relatively level surface by automatically holding the throttie steady. Eliminates the need to keep a foot glued on acceierator on long trips. Once you reach desired speed, simply pull out knob and the Speed Control will automatically 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 comple:eiy disengages in the event of any malfunction, Designed to fit all cars and trucks. Shpg. Wt., 2 lbs. 11 R 59011

Net 21.95

## MOTOROLA

## ELECTRONIC ALTERNATOR SYSTEMS WITH TRANSISTORIZED VOLTAGE

 REGULATOR

No Money Down*

- For Automotive, Truck Industrial and Farm Equipment


Low cost solution to the heavy demands made on your car or truck's etectrical system. Unilike D.C. generators, It supplies a charge at idle speeds and keeps the battery at a unlform high level of charge. The all-transistor voltage regulator has no contact points or mechanical relays. Fits nearly all cars and trucks and is less than half the size and weight of a similar capacity D.C. generalor. Shpg. wt., $133 / 4 \mathrm{lbs}$.
I1R 75033 55-Amp
Net 64.95

## QWIK CHANGE OIL DRAIN KIT

- Cnange Your Own Oil Quickly With Just a Twist of a Knob


Now anyone can change their oll simply and efficiently with just the twist of a knob. It is permanently Installed under the hood and replaces the drain plug in the oll par. The knob activates the valve on the oll pan to drain the oll out. Closed it seals securely. Value is all steel, with tight teflon seal and positive action fiexible cable. Fits the following ears Buick 59.71, Chevrolet 54-71, Chryslet, Dodge, Plymoath 62.71, Mercury 59-71, Oldsmoblle 66-71, Pontiac 54.71 . No more stripped draln plugs. Saves time and money. Perfect for the racing enthusiast, ideal for boat owners, saves blige crawling. Shpg. wt., 1 Ib. 11 R 52503

Net 10.95

## 12 FT. TANGLE-FREE BATTERY BOOSTER CABLE

New Tangle-free Cable twins with $100 \%$ Copper Conductor. Special Duplex Cable Con. struction. With one side color striped for quick polarity identlflcation. Made with heavyduty, flexible rubber-covered cable. Standard equipment for starting stalled cars, and charging batteries.
Wt. $112 / 2 \mathrm{lbs}$.
11 R19528
Not 4.50

ON-GUARD PROFESSIONAL SIREN.
ON-GUARD PROFESSIONAL SIREN ALARM
$0-1$

- Loud, Police-type Siren Protects All Doors, Trunk and Hood - Complete-Easy To install
- Pick-Proof On-Off Key Lock Mounts on Outside of Auto
Get 24 -hour protection on your car, statlon wagon or truck with this complete burglar alarm system. The sharp penetration sound of the pollce-type siren will scare thleves away. The siren blasts off when anyone opens a door, the hood or trunk. The alarm can be shut off only with the alarm hey. Complete system Includes deluxe highly polished spun-aluminum siren with trumpet, 4 door switches, hood switch, trunk switch, 2 brackets, electrical lock with 2 keys, wire, mounting hardware, instructions and 2 warning decals. For 12 -volt cars only
11 R 62015 Shog. wt., $63 / 4$ lbs.
Net 27.88 This item not intended for resale in states where its use is forbidden in motor vehicles by public regulation. Automotive Theft Protection Devices

LOC 1 TOR AUTO BURGLAR ALARM


## ON-GUARD HORN BURGLAR ALARM



- Sounds Car Horn When Entry Is Forced
- Protection For All Doors, Trunk, and Hood
- Pick-Proof ON/OFF Key Lock Mounts on Outside of Auto

Protect your car, wagon, truck 24 hours a day. Easy to install auto alarm system activates when anyone opens a door, the trunk, or hood. When an entry point is opened a shrill sound of the vehicle horn will be heard. The alarm will not be silenced by closing the point of entry. Can be shut off only with the alarm key. System includes slx alarm actlvator switches, lock, 2 keys, 2 relay switch unit, wire, mounting hardware, and simplé instructions. Shipg. wt., ${ }_{2}{ }_{2}$ unit, 10 s.
11R 62023
Net 6.88
PULSATING HORN BURGLAR ALARM
Similar to above except when an entry point is opened, a "Vibrating Shrifi Beeping" pulsating sound of the vehicle hom will be heard. 11 R 62031 Shpg. wt., 2 ibs.

Net 9.88

- Loud Siren Gives Protection

To Doors, Trunks, and Hood - Pick-Proof Key Lock Mounts on Outside of Auto

A penetrating pollce siren and trumpet constructed of spun aluminum for loud plercing sound. System helps prevent break-In pilferage, damage, and inconvenience. Activator swittehes protect all access openings including trunk and hood. Siren blasts loud and clear and remains on until manualiy reset by pich-proof lock switch. Great for cars, wagons, trallers, trucks, and vans. Supplied with relay, slix alarm activator switches, wire, terminals, screws, and pich-proof key lock with two keys. Shipg. wt., $63 / 4 \mathrm{lbs}$.
11 R 62064
Net 19.95
Ths Item not Intended for resale In States where its use is forbldden in motor vehicles by public regulation.

## SECRET AUTO-IGNITION GUARD



- Stops Car Theft - Only You Can Start Your Car - Fits Every 6 and 12 Volt Car and Truck With just a turn of a knob the auto ignition guard will stop any car thief. Even master keys and "Jumping methods" will not start your car-only you can start it. Hooks up in minutes; fits 6 and 12 volt cars and trucks. Shpr. wt. 1/2 ib.

11 R 13117
Net 2.49


ELECTRONIC AUTO BURGLAR ALARM

9

- Simple, Easy To Install

Protect your automobile or boat from intruders. Just opening a door, trunk, or hood will set off this sensitive system. Turning on headIIghts, Ignition or any electrical accessory will also activate your car horn for an unmistahable warning. Cannot be shut off by closing door, hood, Ignition. etc. Car englne can not be started unth control unit is switched off. Only you know where the hidden switch is. Trunk and hood are automatically protected if they have a built-in light or the accessory IIght Ilsted below can be Installed. Connects simply to horn relay and battery with only two wires.
11 R 52511 Shpg. wt., 1 lb.
Net 9.95

## AUTO HOOK-LOCK ANTI-THEFT DEVICE



Car antl-theft device that makes your car theft-proof in seconds! Requires no wiring or special fittings. Fully adjustable steel rod with an individualized key lock aftaches to the steering wheel and brake pedal making it impossible to drive your car away. 360 degree swivel top permits universal mountine for all makes and models of cars. 11 R 26507 Shpg. wt.. $2 \sqrt[2]{2}$ Ibs. Net 11.85


Hood can only be opened from Inside of car. Protects battery, Eenerator, distributor, etc. Complete with all parts for installa. thon. Fits following cars:

64-6.5 Mustang

61 Buick 64 Cadiliac 68 camaro 61-68 Chev

67-68 Chevelle $63-65$ comelle 68 Olds
$63-65$ Comet $63-68$ Tempest 67-68 Chevy $1163-67$ Mercury 64 T-Bird and other cars with striker bolt in, bood, II R 53014 Shpg, wt., $21 / 2$ lbs. Net 3.4

# Custom Horns - For Your Car 

## MUSTANG HORN 11

 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. Complete with horn button control, wire, and all necessary mounting hardware. Black enamel finlsh with chrome plated grill. Dimensions $5^{\prime \prime} \times 51 / 2^{\prime \prime} \times 6^{\circ}$. Shpg. wt., $21 / 2 \mathrm{lbs}$.
11 R 44526 For 12 Volt
Net 11.95

## CONTINENTAL HORN

## $14^{95}$

- With European Sound Swing with the sounds of the continent! Twin
 continental electric horn automatically alternates from high to tow notes like European police horns. Clear, crisp tones are sure to attract the attention of pedes. trians 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. Dimensions: $31 / 2^{\prime \prime} \times 51 / 2^{\prime \prime} \times 9^{\prime \prime}$. Sipg. wt. $31 / 4 \mathrm{lbs}$.

Net 14.95


Go mod! Newest sound sensation! Distinctive BEEP-BEEP sound awakens the daydreamer, gets immediate attention from the slow pokes . . . Just two quick taps on the horn and you're way out. Powerful $4^{\prime \prime} \times 51 / 2^{\prime \prime} \times 61 / 2^{\prime \prime} \mathrm{H}$ hom is easily installed in any car. Complete with mounting hardware and horn button control. Finlshed in 2-tone black and red enamel. For 12 V .
II R 44534 Shpg. wt., $21 / 4$ ibs. Net 8.95

## EMERGENCY TIRE CLEATS

They're cleats - not chains - and that makes the difference. These heat treated, hardened steel cleats bite into ice and snow like tank treads - they dif deep, grlp flrmtreads won't slip like chains. Quickly instalted on most cars and light trucks with slotted rlms. Each cleat Is $1^{\prime \prime W} W 11 / 4{ }^{\prime \prime L} \times 2 / 2^{\prime \prime} D$. Shpg. wt., 2 lbs. 11虫20503 Set of 2 .......... Net 2.95

-See Page 22 for Full Credit Detalls on Easy Pay Plan
Get rid of your old horn-be a Kirg of the Road. Blow the loudest, richest, most melodious horn arcund. Custom quality three horn assembly gives you a oistinctive, attention getting sound. Complete with horn button, wire, and mounting bracket, Dimensions $51 / 2^{\prime \prime} x$ $\delta^{\prime} \times 10 y{ }^{\prime}$. Black enamel finish. For 12 volt systems. II R 44542 Shpg. wt. $4 \mathrm{~V} / \mathrm{lbs}$.
Model 32. Custom quality chromed tumpets with Ioud clear, plercing, continental tone. Range up to $1 / 2$ mile. Ideal for use on trucks, sports cars, emergency, veticles, buses, boats, etc. Compressor pumps alr to trumpets instantly when horn is pressed-there's no walting for pressure to bulld up. Supplied with Town and Country Selector Switch which enables use of original horns for clty driving. Complete with: 2 horns ( $7^{\prime \prime}$ \& $9^{\prime \prime}$ ), compressor, fittings, horn relay, and all necessary hardware. For 12 volts only. From italy.
11 R e2500 Shpg. wt. 5 lbs.
Net 21.95
Molel 22. Same as above but trumpets are enameled die-cast meial. 11 R 12518 Net 18.95

## "FIAMM" 4-TRUMPET MUSICAL HORN

Musical horn that plays Cavalry Caff. Four trumpets made of sturdy enameled die-cast metal. Range one mile. A special cycle switch allowing 2 of the louder trumpets to sound simultaneously and a Town and Country selector switch permitting you to use your original horn, as well as the original hom button, Includes fittings, hose, relay and compressor. For 12 V only. From italy. Largest horn 14 ". 11 R 12526 No Money Down Shpg. wt. 121/4 Ibs. Net 69.95

## Inlly of the Po ? <br> TRIPLE TONE <br> ELECTRIC AUTO HORN

$15^{95}$

- 3 Horn Assembly



## *) Auto Warning Signal Lamps-ACCPsenries <br> \section*{DELUXE REVOLVING BEACON}

6

- Plugs Into Cigarette

5
Lighter Outlet

- Rotates Like a Lighthouse Beacon
A red warning light that rofates 360 degrees and flashes in all directions. Suctlon mount holds the beacon firmly in place. Signals for help for miles around: creates a safety zone during a traffle emergency: For use on autos, boats, trucks, docks, efc. For 12 volt use; complete with cigarette IIghter adapter plug. Shpg. wt., $13 / 4 \mathrm{lbs}$.
11 R 13042
Net 6.95
glUE TURRENT LENS. Converts Revolving Beacon for use by emer. gency vehicles, volunteer fire depts., CD units, etc. Shpg. wt., 502. I1 R 13059


## REVOLVING BEACON



395 - With Amber Lens
Glant size amber turrent lens flashes and rotates full $360^{\circ}$. Bright enough to signal help for miles around. Creates a salety zone whlle changing a flat or during a tralflc emergency. For use on autos, boats, trucks, docks, te. Big suction cup base will mount on any smooth surlace. Giant size amber turret lens, bril. Ilant tinish. Uses 3 "D" batteries. (Not inctuded.) Shpg. wt. $13 / 4$ lbs.
11 R 14503
Net 3.85
Batterles for above. 99 R 82564

Net ea. . 18

## POWERFUL QUARTZ IODINE HAND SPOTLIGHT $19^{95}$

- Throws a Beam More Than $1 / 2$ Mile - For Emergencies, Camping, Marine Use, etc.
- All Chrome Die Cast Metal Housing

A hand-held spolight 3 times brighter than ordinary sealed.beam spotlights, and lasts $21 / 2$ times longer. The super-energized Halogen Has, quartz lodine bulb projects a powerful, concentrated beam of light over distances of $1 / 2$ mile. Wide $6^{\circ}$ bulb face is perfect for spotting signs at night, house numbers, emergency breakdowns. marine navigation, or anytime preclise, reliable Illumination is needed quickly. Convenientiy plugs into cigarette outlet. On/off switch. For 12V. DC Shpg. wt., 2 lbs
11 R 52529
Net 19.95

## ELECTRO PLATING KITS

- Replate Worn Chrome, Silver, Gold, or Plate New items
- Easy to Use

Retouch worn, rusted or peeled
areas of chrome, silver or gold
plated articles. Restore old plat.
ing to its original beauty by electroplating with pure sllver, 24 K goid or chrome-tite metal. Plate new articles with equal safety and ease. Kits come complete with battery case, plating brush, holder, wire and clip, plating solution and directions. Less batteries.
chrome Plating Kit: covers approx. $12-20$ sq.' Use 4 AA cells.
11 R 25509 Shpg. wt., $14 / 2$ Ibs.
Silver Plating Kit: covers approx. 2 sq. It. Use 2 AA cells.
11 R 25525 Shpg. wt., $11 / 2$ Ibs.
Gold Plating kit: covers approx. 1 sq. ft. Use 2 aA cells.
11 R 25533 Shpg. wt., $11 / 2 \mathrm{lbs}$.
As Low As $6^{505}$

Refills for above. Material to do as much as in origInal kit.
11 R 25517 For Worn Chrome Kit. Shpg. wt., $11 / 2 \mathrm{lbs}$. Net 3.95
If R 25541 For Silver Kit, Shpg. wh., 11/4 lbs............. Net 3.95
11 R 25558 For Gold Kit. Shpg. wt., 1 lb.
99 R 62580 Batteries for above
Net 8.95
Net 6.95
Net 13.95

380

# Popular Accessories for Your Car <br> WINDSHIELD DE-ICER 

- Heavy Duty-Just Heat and Scrape


Heavy duty, fast acting de-icer with high capacity blower. Clears up Iced windows long before your car's own heating system has a chance to take effect. No more irozen windshields to block or distort vision. Heavy gauge, 16 ft . cord is long enough to reach alf windows. Plugs into cigarette lighter. Break-resistant, cycolac housing. With mounting bracket and In-line fuse. Shog. wt., 3 lbs.
11 R22514
INFRA-RED WINDSHIELD DEFROSTER


- Plugs into Cigarette Lighter

Quickly melt away mist, ice, and snow. You no longer have to wait for car to warm up before cleaning windshield-just plug it into your cigarette lighter, and start defrosting immediately. Complete with 12 foot cable for reaching

## $3^{49}$

 back windshield. Two suction cups make mo Length: 15". Shpg. wt, 1 lb.11 R 13075
Net 3.49

## PRIMETTA

"FOGGLES"
FOR SAFER DRIVING:

- at night
- IN RAIN
- IN FOG
- IN SNOW


Scientifically designed to protect eyes from glare of headilights, street lights, etc. without materially reducing vision. Fllter lens exclude all ultraviolet rays. Ideal for driving at night, in pain, fog and snow. With case. Shpg. wt:, 4 oz 11 R 32018 Clip-on "Foggles,"一use on existing glasses
11 R 32026 Shpg. wt., 4 oz.


Net 3.49


## CHILTON'S AUTO MANUAL



CHILTON'S 1971 AUTO REPAIR MANUALA completely revised manual for every AmerIcan car since 1964 plus Volkswagen. 4000 lllustrations, 1500 pages. Helps pin-polnt trouble and correct it.
10 R 28018 Shpg. wt., 774 lbs. Net 9.95

## RADIO TRANSVERTER

Now you can avold the expense of buying a car radlo with this radio transverter. Simple to operate-remove $9 . v o l t ~ b a t t e r y ~ f r o m ~ y o u r ~$ transistor radto connect contacts from transverter to battery contacts in the radto, and then plug into the cigarette IIghter, Shpg. wt., 302.
11 R 48014 For 12 -volt cars .... Net 1.95

## 10 FT. NYLON TOW CABLE



The perfect cable for towing ANYTHING UP TO 5,000 LBS. Constructed of heavy-duty $1^{\prime \prime}$ wide, DuPont Nyion webbing that stretches $25 \%$ to take up shocks for smooth, safe towing. OH, grease and water resistant too! Dual, seif aligning clip attaches to any bumper. Shpg. wt., $13 / 4$, lbs. 11 R 24023


## MAP

MEASURER \& COMPASS With leather sheath. Imported.

Net 10.95

## $4^{95}$

- Plugs into Cigarette Lighter Outlet
 Portable and powerful! Cleans upholstery, carpeting, ashtrays, under mouldings. Picks up dust, dirt and lint into a removable container Designed to give trouble-free service. Complete with two attach-ments-a utility pick-up and a long nozzle to reach hard to get at places. Supplied with handy $15^{\circ}$ Power Cord. Power source: 12 V , DC. Imported.

11 R 67519 Shpg. wt., $11 / 2$ lbs.
Net 4.95

## Bon (ire super power AUTO VACUUM CLEANER



- Super Power Suction - Plugs Into Cigarette Lighter Socket

A smart portable accessory for every car owner. Super power suction cleaas 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 constructhon make this fine unit ideal for boats, planes. traliers, and tents also. Easy to handle and well balanced. Operates off standard 12 V OC car battery. Plugs right into the cigarette lighter socket. Size: $17^{\prime \prime}$ long $x 4^{\prime \prime}$ wide. Shde. wt., $2^{3 / 4}$ lbs.

## DUO,VOT® 12 VOLT and 110 VOLT HANO VACUUM CLEANER

## $22^{50}$

- With Crevice Tool, Upholstery Nozzle-Dusting Brush


Compact, yet extremely powerful portable hand vacuum cleaner ellminates the need for separate house vacuum and car vacuum, In the house, plugs into $110 \mathrm{VAC}, 60 \mathrm{~Hz}$., and in the car plugs into 12 V DC cigarette lighter outlet with supplied adapter. Durable steel bodyyet remarkably Hightweight. Long-reach, heavy-duty cord. Ideal for auto, home, office, boat, or worksnop. 'Toss-Away' bags for easy disposal. Convenlent handle. On/uff switch. With wide 'Plk-all' nozzle, dusting brush, and crevice tool. Decorator colors. Shpg. wt. $31 / 2 \mathrm{lbs}$.

Net 22.50

## 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 Ight taps directly from battery of cars, trucks or boats. Color coded alligator cilps, yel. low cord. Complete with bright 50 watt bulb. Shpg. wt., $21 / 2 \mathrm{lbs}$.
12R44516
Replacement Bulb
12 R 44524
Net 2.95
Net .95


Just trace along route on map and multiply miles per inch factor by reasing on dial. Reads directly in inches up to $39^{\prime \prime}$. Built-In magnetic compass has cardinal and seeondary points-fult $360^{\circ}$ markings in tenths. 13 R 41015 Shpg. wt., 402.

Net 2.19

## ACME TIRE PRESSURE

 GAUGE

Accurate mechanic-quallty pencil-type gauge. Triple chrome plated finish. 4 -sided nylon indicator bar calibrated from 5.50 tbs . In one ib. units. Spring lip holds gauge in pocint. Bulit-in deflator tip.
11 R 30509 Shpg. wt., 6 oz. ... Net 1.25


## ECONOMY GARAGE DOOR OPENER

- 1/4 HP Motor-For Doors Up To 16 Ft.

Solid-state garage door opener. No need to get in and out of car in bad weather. Eliminate the physjcal straln of manual opening and closing. Easily and quickly installed on existing door. Adapts to single or double; sectional or i-piece; wood, metal, or fiberglass door. Up to 175 lbs . of pulfing force; enough to handle most garage doors. Needs only $11 / 2$ " Headroom between door and celling. Garage light is turned on when door is opened; remains on two minutes after door is closed for you to leave garage in safety. Wall mounted receiver with pushoutton for Instant stopping, opening or closing door from the inside. Door automatically stops when it hits an object. Streamlined motor housing provides protection against dust and moisture. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL listed. Shpg. wt.. 55 lbs.
13 R 82175 WX
Net 139.95
See Llsting of Accessories Below


## No Need To Get Out Of Car Door Opens Automatically

- With Exclusive "Velvet Glide"
- Gear-Head Chain Drive
- Opens-Closes-Securely Locks Garage Door
- Automatically Controls Garage Door and Lights from Inside Your Car
- Fully Transistorized Transmitter and Receiver with Private Tone Coding
- Operates 1-Piece or Sectional Doors



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38 R 371'92w No Money Down*
Net 49.95

## Deluxe VOM'S and VTVM'S Accurate Measurement



SIMPSON 92 PAGE $800 K$ " 1001 " USES OF THE 260 SERIES VOM. A MUST FOR EVERY STUDENT, TECHNICIAN, AND ENGINEER. WT., $70 Z$. 38 R 48611

## NEW! Simpsan MODEL 260-6 AC/DC VOM

- 20,000 Ohms/VDC, 5000 Ohms/VAC Sensitivity
- Accuracy: $\pm 2 \%$ DC, $\pm 3 \%$ AC
- $50 \mu$ a Self-Shielding and Shockproof Movement

All the advancements of the prevlous 260 series plus these new features: $0-1$ volt $D C$ range, $0-500$ volt $A C$ and $O C$ ranges, external access battery and fuse compartment, multi-purpose screw-on test leads with combination probe and alligator clips. OC polarity reversIng switch, full wave bridge rectifier for fast easy readings. Ranges: DC mv, 0-250; AC and DC volts, 0-1, 2.5-10-50-250-500-1000; AF output V., 0-2.5-10-50-250; DC ma, 0-50; DC ma, 0-1-10-10n-500; DC amps., $0.10 ; 08,-20$ to +50 in 4 ranges; Resistance, $0-20$ megs In 3 ranges. Housed in bakelite case, $51 / 4 \times 7 \times 31 / 8^{\prime \prime}$. With battery and test leads. 38 R 48710 No Money Down* Shpg, wt., 41/4 Ibs. Net 65,00

New Simpson MODEL $\mathbf{2 6 0 - 6 P}$-Same fine features and ranges as Model $260 \cdot 6$ but equlpped with special sensor circult to prevent burned components, bent pointers, and blown rectifiers. With battery and test leads. Shpg. wt., 6 lbs.
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New Simpson MODEL 260-6PRT-Same as above, but with "roll top" safety case. Shpg. wt., 73/4 los. 38 R 48728 No Money Down *

Net 103.00
New Simpson MODEL 270-4-Same as Model $260 \cdot 6$ but with mirror scale, knlfe edge pointer. self shlelded annular meter. Higher accuracy $\pm 1.25 \%$ DC, $\pm 3 \%$ AC. Dimensions: $54 / 4 \times 7 \times 31 /{ }^{-1}$. Shpg. wt.,
5 lbs.
38 R 48736 No Money Down*
Net 78.00
New simpson MOOEL 240-4RT-Same as model $270-4$ but with roll top case, Shpg. wi, $73 / 4 \mathrm{lbs}$.
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## Net 84.00

## ADO-A.TESTERS FOR 260 and 270 SERIES AC/DC DOMS

Add unlimlted versatllity to all Simpson 260 or 270 Series AC/DC VOMS made since 1947 except ROLL TOP models. Turns these VOM'S into 9 different type testers. Shpg. wt., $23 / 4 \mathrm{lbs}$.

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| :---: | :---: | :---: | :---: |
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| 38 R 48116 | 651 | DC VTVM | 52.00 |
| 38 R 48124 | 652 | Temp. Tester | 49.00 |
| 38 R 48132 | 653 | AC Ammeter | 30.00 |
| 38 R 48140 | 654 | Audio Wattmeter | 34.00 |
| 38 R 48181 | 661 | DC Ammeter | 33.00 |

## ACCESSORIES for SIMPSON VOMS

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Net $\begin{array}{lllllll}38 \text { R } 48066 & 01818 & 260 \& 270 \text { Series Leather Case } & 2 & 12.00\end{array}$ 38 R 48074 38 R 480 B2 $^{2}$ $\begin{array}{lllllll}38 R 48082 & 00509 & 260 \& 270 & \text { Series 50KV HV Probe } & 1 / 2 & 17.00\end{array}$ 38 R $48090 \quad 00508 \quad 260 \& 270$ Series 25 KV HV Probe $1 / 2 \quad 17.00$ talligator clips

## NEW! ${ }^{\text {B2K K MOOEL } 179}$

 SOLID STATE F.E.T. VOM1R 1 wv-98C
SR. VOLTOHMYST

REI WV-5IOA SOLID-STATE MASTER VOLTOHMIST

Large $4 \sqrt{\prime \prime \prime}$ meter has a sensitive, $80 \mu \mathrm{~A}$ movement, mirror scale. specifications: OC Volts: 8 ranges $=0-0.3,1.0,3.0,10,30,100$, 300,1000 . Accuracy $2 \%$. DC Gurrent: 8 ranges- $0.30,300 \mu \mathrm{~A} ; 0-1.0,3.0,10,30$, 100, 300 ma. AC Volts: 8 RMS ranges -0.0 .3 . 1.0, 3.0, 10, 30, 100, 300, 1000. 8 P.P ranges $1.0,3.0 .10,30,100,300,1000.8$
$-0.0 .84,2.8,8.4,28,84,280,840,2800$. Decibels: 25.5 to +62 do in 8 ranges. AC Gurrent: 8 RMS ranges- $0.30,300 \mu A ; 0-1.0$, $3.0,10,30,100,300 \mathrm{ma}$. Ohms; 7 rangesRxi, x10, x100, x1K, x10K, x100K, x1 megohm. Convenient battery check. With Leads. Size: $5 \times 73 / 8 \times 43 y^{\prime \prime}$.
38 R 17343 Shpg. wt., 34/2 Ibs. Net 74.95


Big 61/2" color-coded meter with $200 \mu$ a movement and accuracy of $\pm 3 \%$ on $A C$ and OC. $1 \%$ precision multiplier resistors. Meter is burnout proof. Measures p-p voltages up to 4200 volts of sine waves. Range: $D C$ volts, $0-.5-1.5 \cdot 5 \cdot 15-50 \cdot 150 \cdot 500-1500$; $A C$ rms volts, $0.1 .5-15-50-150-500-1500$; Re. sistance, 0.2 ohms to 1000 ohms to 1000 megohms in 7 ranges. DC input resistance, 11 megohms. Sturdy, single-unit probe with built-in $D C / A C / O h m s$ selector switch. Size: $7 \mathrm{~W} \times 61 / 2 \mathrm{H} \times 33 a^{\circ} \mathrm{D}$. For $110 \cdot 130$ volts $50 / 60 \mathrm{~Hz}$. AC. Shpg. wt., $73 / 4 \mathrm{lbs}$.
38 R 46102
Net 99.00


A hi-quality, solld-state electronic voltmeter designed for stable, drift-free operation. Measures DC voltage from 0.01 to 1500 V , direct current from 0.01 mA to $1.5 \mathrm{~A}, \mathrm{ACV}$ from 0.2 to 1500 V. AC p-pV of complex waveforms from 0.5 to 4200 V , and resistance values from 0.2 ohms to 1000 megohms. Seven overlapping ranges for AC, resistance and current measurements; elght ranges for OC voltage measurements. Accuracy is $\pm 3 \%$. With DC/AC-Ohms probe \& cable, slip-on allt gator clip and leads. $110-135 \mathrm{~V}, 50-60 \mathrm{~Hz} \mathrm{AC}$. Size: $67 / 8 \times 51 / 4 \times 31 / \mathrm{B}^{\prime \prime}$. Shpg. wt., $63 / 4$ lbs.
38 R 46482W
Net 128.00

## Quality VOM'S, FET VOM'S and Power Monitors

## TRIPLET MODEL 630 20,000 OHM PER VOLT VOM

## $67^{00}$

No Money Down*

- Burnout-Proof in Ohmmeter Ranges
- Large

Easy-To.Read $5^{1 / 2 "}$ Meter

- Single Selector Switch

51/2" meter with spring-backed jewels and $1 \%$ precision Resistors. Accuracy, 2\% on $D C, 3 \%$ on $A C$. Ranges: $D C$ and $A C$ volts, $0-3-12 \cdot 60 \cdot 300 \cdot 1200 \cdot 6000$ (DC at 20,000 ohms voit, AC at 5000 ohms $/ \mathrm{v}$.); Ohms, $0.1 \mathrm{k} \cdot 10 \mathrm{k}$ and 1.2-100 megohms, low r ading to . 1 ohm. DC current, $0.60 \mu, 0-1-12-120 \mathrm{ma}$ and 0.12 amps. DB, -20 to +77 ( 600 ohm line at 1 mw ): output $v ., 0.3-12 \cdot 60-300 \cdot 1200$; jach with condenser in series with AC ranges. Molded, fully insulated case, $31 / 2 x \times 51 / 2 \times 71 / 2^{\prime \prime \prime}$. with batterles, leads.
38 R 73049 Shpg. Wt., $41 / 4$ lbs. Net 67.00 MODEL 630-NS. Deluxe VOM featuring 200,000 ohms/volts DC. Accuracy, 11/2\% DC, $3 \%$ $A C$. 62 ranges. $A C / D C$ volts to $1200 v$. $D B$, -20 to +77 in 10 ranges. Current measurements from $0.1 \mu$ a. With batteries, leads, $3^{11} / 2 \times 71 / 2 \times 512^{2 m}-$ Shpg. wt. 5 Ibs. 38 R 73023 W

Net 122.00 Black Cowhide Case for 630 and 630 NS . 38 R 73171 Shpg. wt., 2 lbs .. Net 13.90

## TRIPLETT 310 FET POCKET VOM



Hand-held, battery operated volt-shm-milliammeter featuring Meld-effect transistorized circultry, 10 megohm input resistance on all DC voliage ranges. High Sensitlvity ( 300 mv fs) allows transistor blas measurements. Features provislons for attaching clamp on AC ammeter adapter (see below). Accuracy of $\pm 3 \%$ on $O C$ and $\pm 4 \%$ on $A C$, zero center for null measurements, and a polarity reversing switch. Ranges: DC Volts: 0-0.3-1.2-6-30-120-600; AC Volts: 0.3-12-60-300-600; Resistance; $0.5 \mathrm{~K}-500 \mathrm{~K} .50$ megohms; DC Current: $0.0 .12-1.2 \mathrm{ma}$. at 300 mv .
38 R 72009 Shpg. wt., 14 oz . Net 78.00
MODEL 10 AMMETER ADAPTER. Clamp on type ammeter, plugs into 310-FET. Jaws clamp around single conductor to measure $0-6 \cdot 12 \cdot 30-60-120-300 \mathrm{amp}$ AC. Shpg wt., 1 lb . 38 R 73072

Net 21.00
MODEL 379 -Leather case, Holds 310 and 10, 38 R 73080 Shpg, wt., 12 oz. Net 8.80 MODEL 101 LINE SEPARATOR-Divides two conductor cords, increases sensitlvity 10 X and 20X. For model 10.
38 R 73098 Shpg. wt., $1 / 2 \mathrm{lb}$.... Net 8.40

DELUXE TRIPLETT 601 SOLID STATE F.E.T. VOM


- 14 Ohmmeter Ranges With 7 Low Power Ranges At 75 mV . for Transistorized And IC Circuits

Lightweight, portable, battery-operated solid state volt-onm-miltiameter with pushbutton function switches, and Field Effect Transistorized (FET) circultry providing high input impedance ( 11 megohms) on all AC and DC ranges. Low Power Ohms for Integrated Circuit (IC) measurements. A total of 52 range selections can be accomplished using onty one selector switch. Model 601 has an accuracy of $\pm 2 \%$ of full seale on DC and $\pm 3 \%$ on AC. Measures electrical parameters such as DC Volts: 0.1 1. 3-1-3.10-100-300 and 1000 ; AC Volts: $0 \cdot .01 \cdot .03-.2$-.3-1-3.10-30-100 300-1000; Ohms: $1-10 \cdot 100 \cdot 1000 \cdot 10,000-100$ 000-1 Meg with 10 ohm center scale-both conventional and Low Power; AC-DC current Ranges: $0 \cdot 10 \cdot 100-1000-10.000 \mu \mathrm{a}$; OB - 40 to +60 . Large $5^{\prime \prime}$ meter. $31 / 4 \times 51 / 8 \times 612^{\prime \prime}$. Complete with (10) AA batteries, test probes. 38 R 77727

Net 166.00
Leather Case for Model 601.
Leather Case for model 601.
38 R 77719 Shpg. wt., $13 / 4 \mathrm{lbs}$. Net 16.20

## NCW SENCORE PM 157 POWER MONITOR



- It Is A Zero To 1150 Watt Wattmeter
- It Is An AC Line Voltage Monitor
- It Is An AC/DC Ammeter
- It Is A Fuse Resistor Checker

One of the most practical service tools devised. Checks AC line voltage, $0-135$ volts $\pm \mathbf{3 \%}$ under actual operating load. As a wattmeter checks if an instrument is dissipating too much power-AC power scales are 0.115 . 345,1150 watts. Reads both AC and DC current: $0.1,3,10 \mathrm{amps}$. Checks fuse resistors with spectai scate for each fuse resistor Determines value of blown out fuse resisfor. in-circuil. The PM 157 is protected by a 10 ampere circuit breaker. Size: $8 \times 6 \times 5$ ". AHI metal thit handle. Includes test leads. snpg.
${ }_{38}$ Wt. $\mathbf{R} 53330$ Ibs. No Money Down Net 69.50

## unimetrifes 50,000 OHMS-PER-VOLT VOLT-OHM-MILLIAMMETER

## $24^{95}$

With Batteries and Leads

- Big 4 " Meter
- Low Voltage Scale for Transistor Tests
- All Ranges Burnout.Proof
- 50,000 Ohms Per Volt DC
- Mirror Scale
- Single Selector Switch
- Pocket Size-Lightweight

Advanced VOM with internal overload protection on all ranges. Eliminates burned-out resistors, meter movements, and bent pointers.' Mirror scale and single selector switch. Carrying handle tilts at $20^{\circ}$ angle for easy scale reading. Ranges: DC Volls: $0.25,2.5,10,50,250,1000$ (at 25 K ohms) volt); 0.125, 1.25, 5, 25, 125, 500 (at 50 K ohms/volt): AC Voltsı 0-3, 10, 50, 250, 1000 (at 2.5 K ohms $/ \mathrm{volt}$ ); $0.1 .5,5,25,125,500$ (at 5 K ohms/volt): DC Current: $0-50,0-25$ ua; $0-5,50,500 \mathrm{ma}: 0-2.5,25,250$ ma: $0-5$, $0-10$ amps: DB: $-2010+81.5$. Resistance: $0.10 \mathrm{~K}, 100 \mathrm{~K}, 1 \mathrm{Meg}, 10 \mathrm{Meg}$. With batteries, leads and instructions. Imported. Shpg. wt., 2 lbs. 2105.
38 R 03004

Net 24.95

# Quality Tube and Transistor Checkers 

## QUALITY LAFAYETTE TUBE AND TRANSISTOR CHECKER

## LAFAYETTE FILAMENT CONTINUITY TUBE CHECKER



- Easy Tq Build Step By Step Instructions
- Checks Latest Compactrons, Nuvistors, Novar And 10 Prong Tubes
- Checks Tubes For Shorts, Leakage, Intermittents, and Quality
- Checks Transistors For AC Current Amplification

Easy, step-by-step wiring and assembly instructions. Enjoy big dollar savings when you build this fine tube and transistor tester kit. Tube section features testing of compactrons, nuvistors, novars, and 10 -pin tubes in addition to 7 - and 9 -pin miniatures, octals, and loctal types. Short, leakage, and intermittant tests available. Quality is Indicated directly on an easily read, 3-color meter scale. Each section of multi-purpose tubes is checked separately, Hi-F1, Magic-Eye, and voltage regulator tubes can also be tested. Obsolescent proof: Unique switching arrangement allows new tubes to be tested as they
become available. In addilion, this fine tester also checks transistors: PNP and NPN, high or low power, for AC amplification. Tells immediately whether or not transistor is operable. Portable, rugged tester is ideal for serviceman and hobbyist alike. Enclosed in a high impact bakelite case with carrying strap. Supplied with batteries, full instructions, and ring bound manual of tube charts. For 110 VAC 60 Hz . Size: $81 / 2 \times 71 / 2 \times 4^{\prime \prime}$ Shpg. wt., 5 lbs.
38 R 01123 w
As above wired and tested. 38 R 01131w

Net 29.95 Net 39.95


- Checks

CRT'S
Loctal.
Octal, 9-Pin and 7.Pin Sockets


Small and compact as a cigarette box. Qulckly checks filament continuity. Tests fllaments of radio. TV picture tubes. Also can be used to test many other electricat devices arid line cords, fuses, tamps and bulbs. Has sockets for to picture tube and loctal, octal, 9 -pin, as well as 7 -pin sockets. Provided with two test leads. Grey hammertone finish. Size: $4 \times 3 \times 11 / 2^{*}$. Imported.
99 a 50163 Shpg. wt., 10 oz . Net 2.95

1. 1 WC.506A TRANSISTOR AND DIODE CHECKER

## ONLY $18^{00}$

- Checks NPN And PNP Types
- Large, Easy-To.Read Meter

Compact, pattery operated instrument providing quick. simple checks of relative gain and leakage levels of out-of-circult transls. tors. Panel switch provides for checking high-leakage transistors, with transistor socket, color coded test leads, and a large easy-to-read meter with a single red/green scale. Checks relative front-to-back current ratio of diodes. Powered by two 1.5 v Datteries. (Not included.) Size: $33.4 \times 61 / 4 \times 2^{\prime \prime}$. 38 R 46409 Shpg wt., $11 / 4 \mathrm{lbs}$.......Net 18.00 99 R $62580{ }^{\text {" }} \mathrm{AA}$ " $^{\prime \prime}$ Battery ..... Net ea. . 10

## DELUXE PORTABLE TUBE AND CRT TESTER

## Test All Modern Tubes Including Novars, Nuvistors, Compactrons, and Decals. Test All Picture Tubes; Black and White-and Color



- Tests Each Section of Multi-Section Tubes Individually For Shorts, Leakage and Cathode Emission - Tests All Black and White Picture Tubes For Emission, Inter-Element Shorts and Leakage
- Red, Green, and Blue Color Guns Are Tested Individually For Cathode Emission, Leakage, and Shorts - Large $4^{1 / 2^{\prime \prime}}$ Dual Sczle Meter

Versatife, reilable and highly accurate tube checker. Checks more than 2,500 tubes-and will accept new tubes as they become avaliable Tests Nuvistors; 10 pin types; Magnavols; Compactrons; Decals; and black/white CRT's with deflection angles form $50^{\circ}$ to $114^{\circ}$ Including $110^{\circ}$ RCA plus color CRT's. Tests each section of multi-section tubes Individually for shorts, leakage and cathode emission. Indicates leakage up to 5 Megohms. Checks color guns (Red, Blue and Green) individually for shorts and leakage between control grid, cathode and heater elements. Front panel has complete set of tube pin straighterers. $41 / 2^{\prime \prime}$ dual scale meter features a seated damping chamber to assure accurate, steady readings. Unit comes complete with instruc. tion book for current receiving and CRT tube listings. Size $14 \times 37 / 8$ $9^{\prime \prime} \mathrm{D}$. For 117 VAC .60 Hz Shpq. wt., $71 / 2 \mathrm{lbs}$.

Net 54.95


# Tube, Transistor, and IC Testers 

## NEW Sencore TC162

 Mighty Mite Tube Tester

- Tests Over 3000 Tubes
- Stethoscope Shorts Tests

This deluxe solid-state tube tester with FET's gives you reliable and durable service Push button function switches allow for instant and accurate measurement Tests virtually every tube type, large or small, domestic and forelgn. Checks each section of multi-grid tubes separately. Checks for all shorts, grid emission. leakage and gas Special Stethoscope short test for checking each element of the tube. Tests for grid leakage to 100 megohms. New pin elimina tion switches permit testing more tubes than ever before. Ellminates "normal" shorts caused by internal connections in tubes. Complete portability in a rich vinyl clad, brushed chrome trimmed case. Powe Requirements are 115 volts $A C$ at 32 watts For $56 / 60 \mathrm{~Hz}$. Size. $113 / 4 \times 111 / 2 \times 111 / 4^{\prime \prime}$ Shipg. wt., 9 lbs. No Money Down
38 R 53348 W

## RCA Deluxe WT-501A

Transistor Tester

$68^{00}$

- DC Beta From 1 to 1000
- Collector-to-Base Leakage As Low As $2 \mu a$

Completely portable ........ requiring no external power source, iests both low and high power transistors, and has both NPN and PNP sockets. Tests out-of-circult transistors for d-c beta from 1 to 1000 , collector-tobase leakage as low as 2 microamperes, and collector-to-emitter leakage from 20 microamperes to 1 ampere. Special tow impedance circuitry assures reliable in-circuit testing. Collector current is adjustable from 20 nicroamperes to 1 ampere in four ranges. Three color-coded test leads are provided With two $\mathbf{~} .5$ volt batterles. Shpg. Wt., 6 tbs 2 oz. No Money Down

38 R 46342
Net 68.00

B\&K 466 CRT
Tester/Rejuvenator
 Rejuvenates CRT's In TV Set

- Checks And Repairs Each Color Gun

Indicates picture tube quality. Checks color or blach and white CRT's for leakage, shorts opens, emission. Rejuvenates virfitally ali CRT's. [xclusive Feature: "Monitored Rejuvenation" - you can watch the emission change as you refuvenate CRT. Unique "Super-Rejuvenate" function for sestoring emission of otherwise worthless CRT's. Operates tubes at correct fllament voltage. Handles H1, G2, and Lo G2 tubes. Comes equipped with 3 multisocket adapters for testing all new CRT's including Trinitrons, Measure GI voltage. Color coded G2 controls. Large $43 / 4^{\prime \prime}$ precision meter with scate coded to front panel controls to prevent errors. Plastic/aluminum type attachs carrying case. size: $131 / 4 \times 91 / 2 \times 53 / 4{ }^{\prime \prime}$. For 105 . 125v $50-60 \mathrm{~Hz}$ AC. Shps. wt. 8 lbs. No Money bown.
18 R 17327 WX
Net 129.95

## SENCORE TF151 "In or Out of Circuit" Transistor Tester



$129^{5}$50 with Special Reference Book for Testing Iransislors and FET's

Accurate, easily read 6 meter. Tests for AC Beta and out of circult icbo leakage. Increased current chech for high power transistors make tests more accurate. Special tests for critical RF transistors life GE9's. also makes the following special tests on Also makes the following special tests on
FET's: True GM mutual conductance In or FET's: True GM mutual conductance in or
out of clrcuit: Igss leakage checked out of circuit; Special Gate 2 check provided for Iwo gate FET's; Special lass (Zero Bias) current check provided for matching FET's or lor Industrial "cutting": Special positive bias test for new enhancement FET's. For 115 VAC. Size: $91 / 2 \times 71 / 2 \times 6^{-}$. Shpg. wt., 12 lbs. No Money Down
38 R 53272 W
Net 12950

## B \& K 707 Mutual Conductance Tube Tester



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, vollage regulators, thyratrons efc. and provices for future new sockets. Checks for all shorts, grld emission. leak age and gas. Large $4 \mathrm{y} / \mathrm{z}^{\prime \prime}$ meter with easy-to-read "Replace-Good" scale for quick life tests. Checks each section of multi-Rrid 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 leatherefte-covered carrying case. 117V $50 / 60 \mathrm{~Hz}$ AC. Sire: $161 / 8 \times 157 / 457 / \mathrm{s}^{\prime \prime}$. Shpg. wt., $161 / 4 \mathrm{lbs}$.

38 R 17152W No Money Down* 209.95

## NEW In-Circuit IC Tester



## 12000

Complete with
nexible citble
and 9 adapter plugs
Seffopowered IC tester features a clip probe and a llexible 24* cable for in-system testing of both 14 and 16 -pin duat in-line TTL Or DTL integrated circuils. Displays the logic states of all pins simultaneously. Cir. cuit malfunctiors can be quichly isolated and diagnosed. Suitable for design or service testing of gates, clocks, flip-flops, counters, and adders. Tester lamps are ON for IC logic highs and OFF for lows. When used for insystem testing, the IC tester is powered by the IC beling tested. Requires no bezels or overlays. Voltage requirements: $5 \mathrm{~V} \pm 10 \%$ across iwo or more inputs. Temperature rating: 0 to $75^{\circ} \mathrm{C}$. Comes with luggage-type foam lined carrying case, No Money Down ${ }^{\circ}$. 38 R 54007w wt. 3 lbs. Net 120.00

## signal Generators - color Bar cenerators



- $120 \mathrm{kHz}-130 \mathrm{MHz}$ on Fundamentals
- $120 \mathrm{kHz}-390 \mathrm{MHz}$ on Calibrated Harmonics

Accurate, inexpensive wideband RF signal generator can be used for IF-RF alignment; audlo signal tracing of TV, FM, and AM sets; TV Linearity checks, and 400 cycle audio testing. Dial accuracy of befter than $1 \%$. Features a wide frequency coverage from 120 kHz to 390 MHz with internal modulation of either 400 Hz or 1000 Hz , External modulation may be applied. Crystal Oscillator, it to 15 MHz (FT-243 type $x^{\prime}$ tal not included), For $115 \mathrm{~V} ; 50 / 60 \mathrm{~Hz}$. size: $71 / 2 \mathrm{Hx}$ $103 / 4 \mathrm{~W} \times 41 / 2{ }^{\prime \prime} \mathrm{O}_{\text {; Shpg. }}$ wt., $71 / 2 \mathrm{lbs}$. Imported. 38 R 40014 w No Money Down*

Net 39.95

## RCA WR 50B RF SIGNAL GENERATOR

## $75^{\circ}=$

Ideat for aligning and trouble-shooting AM, FM, TV, CE and Ham recelvers. Provides tunable output from 85 kHZ to 40 MHz in 6 ranges on fundamentals, CW or modulated RF. Dial calibration accuracy $\pm 2 \%$. Bullt-in 400 Hz audio oscillator for internal or external modulation. Front panel crystal socket for oscillator calibration. Shielded outputs. $53 / 6 \mathrm{~W} 77 / 4 \mathrm{Hx} 47 / 4$ "D. For $105-130$ v. $50 / 60 \mathrm{~Hz}$ AC. Shpg. wt., 71/4 lbs. 38 R 46318

Net 75.00
SENCORE CG-19 PORTABLE COLOR GENERATOR


# $84^{50}$ 

No Money Down*

- 10 Standard Color Bars plus Standard Crosshatch, Dot, Vertical and Horizontal Lines
Battery operated, Hightweight, solid-state. Uses standard RCA licensed color bars plus standard cross-hatch, dot, vertical and horizontal lines. simple to use... just set selector switch to desired pattem, and connect the RF cable to the antenna terminals of color'TV set. Features RF channel setting, timer adjustment and interlace control. Low current drain from two 6.5 volt batteries (not included). Size: $83 / 3 \times 21 / 2 \times 51 / 2^{\prime \prime} 0$. 38 R 53322 Shpg. wt., 4 lbs.

Net 84.50 32 R 46790 Pkg. of 2 -batteries for above .......Net 2.96

## BOSCO "MOSQUITO" SIGNAL INJECTOR

$14^{95}$


Transistorized, pocket sized, and cordess, oscillates at 1 khz with harmonics to 30 MHz . Can be coupled into magnetic circuits and pickups without leads. Output 50 v p-p. Output impedance. 10 K . DC

38 R 22103 Shpg. wt., 6 oz.
99 R 62580 "AA" Battery for "Mosquito"
Net ea. 10

## SINE/SQUARE WAVE AUDIO GENERATOR

## Only <br> $59^{35}$



- 20 Hz to 200 KHz in 4 Decade Bands
- Calibration Accuracy $\pm 3 \%+2 \mathrm{~Hz}$

Employs Wien Bridge configuration for sine wave generation from 20 Hz to 200 kHz . For square waves, a Schmitt trigger circuit is used over the 20 Hz to 20 kHz range for pulse shaping. Sine Wave Output Voltage, 7 V. rms, approx. Output Flatness within $\pm 0.5$ db referred to $k H z$. Distortion, less than $2 \%$ (below 20 kHz ). Square Wave, Range: 20 Hz to 20 KHz ; Output Voltage, $6 \mathrm{~V} . \mathrm{p}-\mathrm{p}$, max. Output impedance 2 K ohms approx. Power supply for $115 / 230 \mathrm{~V}_{1}, 50 / 60 \mathrm{~Hz}$; 10 VA approx. Size: $74 / 2 \mathrm{Hx} 103 / 4 \mathrm{Wx} 1 / 2{ }^{\prime \prime} \mathrm{D}_{\text {; }}$ Imported. Shpg. wt., $61 / 4 \mathrm{lbs}$. 38 R 40022 W No Mogey Down*

Net 59.95

## B \& K 2000 SOLID-STATE RF GENERATOR $189^{95}$ <br> - Built-in Crystal Calibration <br> - 100 kHz to 216 MHz <br> In 5.Bands <br> 

Features $100 \%$ silicon transistor clrcuitry, rener-regulated power supply, 6 -Individually shielded step attenuators, variable fine output level control, and callorated 200 ma D'Arsonval meter. Range: 100 KHz to 54 MHz on fundamentals ( 5 ranges), and 54 to 216 MHz on harmopies. Outputs: modulated AF, unmodulated RF, external modulated RF, 400 Hz audio. For $110-130 \mathrm{~V}, .60 \mathrm{~Hz}$ AC. Size: $12 \frac{3}{4} \times 71 / 4 \times 8^{\circ \prime} \mathrm{D}$. Shpg. wt., 14 lbs.
38 R $17319 w X$ No Money Down*
Net 189.95

## DELUXE COLOR BAR PATTERN GENERATOR


$159^{95}$

- 15 Patterns Including Single Dot and Single Cross
- Scope Sync Pulse

No Money Down *
Extremely versatile color generator produces 15 patterns including the all important single dot and single cross. Trigger pulses available to sync oscilloscope. Composite video signals for video circuit testing. Gun killers for purity and convergence adjustments. Outputs: RF Output, Channel 5 and 6; Patterns-Color Bars: Gated Rainbow, R-Y, B.Y, and -(R-Y), Rainbow; Oots: Fine 15 vert. X 21 horlz., Coarse 7 vert. $x 11$ horiz., Single Dot centered on raster; Cross-hatch: Fine 21 vert. x 15 horiz., Coarse 11 vert. x 7 horlz., Single Cross centered on raster; Vertical: Fine 21 lines, wide il lines, single tine; Horizontal: Fine 15 lines. Wide 7 lines and Single line. Chroma Level control: $0-200 \%$ continuously adjustable. For $105-125$ V., $50 / 60$ Hz AC. Size: $31 / 0 \mathrm{Hx} 73 / 4 \mathrm{Wx} 73 / 4^{\prime \prime} \mathrm{D}$. Shpg. Wt., $63 / 4 \mathrm{lbs}$. Imported.
38 R 40006wx Net 159.95

- See Page 22 for Full Credit Details on Easy Pay Plan


# TV Circuit Analyzer and Oscilloscopes 

## B \& K MODEL 1077B COLOR AND B\&W TV ANALYST



- For Checking Every Stage In a Color and B\&W TV Receiver
- With Solid-StateSweep Drive
Designed to simplify and speed servicing of black and white, color, UHF, VHF, tubetype and transistorized TV receivers. Permits you to inject your own TV signals at amy time, at any point . . . whille you watch the generated test pattern on the picture tube or television set itself. Supplies a complete test pattern by means of a flying spot scanner system. Eight VHF RF channels, VHF channels 14.82 , 20 to 45 MHz IF, audio, video sync. three color adjustment patterns, bias voltage, and AGC keying pulse are all avallable. Checks $B_{+}$boost and gives high voltage Indication. Provides 3 -color receiver test patterns: Whilte dot, cross hatch, color bar. Complete with test leads and standard test pattern slide transparencies. For $105-125 \mathrm{~V}$., $60 \mathrm{~Hz} \mathrm{AC}. \mathrm{Size:} 17 \times 101 / 4 \times 10^{\circ}$. Shpg. Wt., 32 lbs
38 R i7301wx

$5^{\prime \prime}$ SOLID STATE TRIGGERED SCOPE


Calibrated Triggered
sweep

- Veclorscope Input

No Money Down'
Professional 5* triggered scope with calibrated vertical Input and calibrated time base. Features a vertical sensitivity of 20 $\mathrm{mV} / \mathrm{cm}, 2 \mathrm{~Hz}$ to 10 MHz frequency response, rlse time of 35 nanoseconds. Horizontal sensitivity: $200 \mathrm{mVpp} / \mathrm{cm}$ or better, 2 Hz to 200 kHz Bandwidth, $0.2 \mu \mathrm{sec} / \mathrm{cm}$ sweep speed $5 x$ sweep magnifier. Edge Lighted graticule. Has a flat face $5^{\prime \prime}$ CRT with bullt-in calibrator and a vectorscope input. Power requirements: $115 \mathrm{~V} 50 / 60 \mathrm{~Hz}$; Approx. 50 VA Size: $101 / 2 \mathrm{ZH} \times 8 \mathrm{~W} \times 161 / 2{ }^{2} \mathrm{D}$. Imported. Shpg. wt., 21 lbs .
38R 50030 WX


B \& K 14508 OSCILLOSCOPE WITH VECTORSCOPE FEATURE

 with Visual Indicators
and Electronic Memory Plus Remote Alarm No Money Down ${ }^{\circ}$
Improved version of model 1450. Features Automatic Synchronization- that makes pat. terns stand still regardiess of amplitude, and will actually sync a 10 MHz signal. Double Scale Calibrated Screen reads peak. to-peak voltage directly. Vectorscope Inputs and controls. Shows vector patterns exactly as specified by color TV manufacturers. 2 . axis input. Has horizontal/vertical push-pull ampilification. Response: vertical, $\pm 3$ db., 1 Hz to 400 kHz . Sensitivity: vertical, 50 mV rms/Inch: herizontal, 0.6 volts rms/inch Sweep: 5 Hz to 500 kHz .' Synchronization: automatic. + and - WIT., 60 Hz . EXT. 171/2 $0 \times 13364 \times 87 /{ }^{*} \mathrm{~W}$. For $110-120 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. 38 R 17350 wx wt., $27 \mathrm{lbs} .$. Net 299.95

## Substitution Boxes and Capacitor Analyzers

SENCORE RC 146 SUBSTITUTION BOX FOR CAPACITORS, RESISTORS, AND RECTIFIERS


$69^{95}$95 - Provides 75 Used Values of Carbon Resistors, Capacitors, Electrolytics, and Power Resistors. - Also Provides Substitution Testing for 0.5 Amp. Universal Silicon and Selenium Rectifiers

[^20]

- Tests Low-Voltage Capacitors Used in Transistor Circuits Without Damage
- Designed for Versatility, Accuracy, Safety and Convenience

[^21]
# EICO VTVM's and VOM's-Kit or Factory Wired 

NEW! MODEL 239 FET VOM


- Battery Operated

Use the 239 on your bench or in the fleld. checks semiconductor and vacuum tube circults. 11 Megohm OC Input impedance. Reads AC RMS and DC voltages in seven steps from 1 to 1000 volts on large $41 / 2^{*}$ meter. Measures and reads peak-to-peak AC to 2800 volts. Check resistance from 0.2 ohms to 1000 M -ohms on seven ranges. Includes exclusive time-saving Uniprobe, Peah. to-peak AC volts: $0.2 .8,8.5,28,85,280,850$ 2800. AC RMS/DC Volts $0-1,3,10,30,100$, 300. 1000. Ohmmeter: 0.2 to 1000 ohms. Operation on 3 ""AA" and 1 -"D" batteries Slize $82 / 2 \times 53 / 4 \times 5^{\prime \prime}$. Shpg. wt., 4 lbs . 38 R 27672 Model 239 Kit .... Net 39.95 38 R 27664 Factory wired .... Net 59.95

Model 240 FET VOM Kit



MODEL 235K PROFESSIONAL VTVM KIT
Delure VTVM features $6{ }^{*} 200$ micro-amp meter, $1 / 2$-volt full scale DC range for transistor servicing. AC/DC "Uni-Probe", and $1 \%$ precision mulfiplier resistors. Ranges: $A C / D C$ volts, $0-0.5,1.5$, $5,15,50,150,500,1500 ;$ p-p volts, $0,4,14$, 42, 140, 1400,4200 , resistance, 0.2 olims to 1000 megs in 7 ranges. Response: 3 Hz to 3 MHz . Ac curacy: 3\% AC and DC. Has 11 megohm DC input supplied with uniprobe. For 117 V., 50/60 Hz AC. 38 R 27169 No Money Down* ........ Net 59.95 Model 235. As above, but factory wired 38 贝 27177 ............................................Net 84.95

## MODEL 232K PEAK-TO-PEAK

## VACUUM TUBE VOLTMETER KIT

A precision-unlt with advanced engineering teatures 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 MHz with PRF probe). Ohms: 0.2 ohms to 1000 megs in 7 ranges. Easy cailbration. $41 / 2^{\prime \prime}$ meter, can't-burn-out circuit. Zero center. With AC/DC Uni-Probe. Excep tional stability and accuracy. All components and Instructions supplied. For 105-125 50/60 Mz AC. Size $81 / 2 \times 5 \times 5$ ". Shpg. wt., 6 lbs. No Money Down* 38 R 26179 Model 232 kit

Net 34.95 Model 232. As above, but factory wired 38 R 26187

Net 49.95

MODEL HVP. 5 HI-VOLTAGE PROBE with Built-in Meter
 WIREO ONLY
Light, compact! Measures up to 30 kv . Barriers are provided to isolate high vollage tip from probe handle and meter. Wt. 6 oz
38 R 27557 a
Net 22.95

## EICO PROBES

- A Must For Servicemen, Engineers, and Technicians

HVP2 HV PRUBE - wired only. Extend range of VTVM to $30,000 \mathrm{v}$. Shpr. wt., $1 / 2$ it
38 R 26344
Net 9.95
PRF-11K- 11 meg RF probe kit.
38 R 26286 Shpg. wt., 1/2 lb
Net 4.95
PRF-11-As above, factory wired.
38 R 26294 Shpg. wt. $1 / 2 \mathrm{lb}$.

FAMOUS 500 SERIES VOM KITS


MODEL 566 K . Large 41/2" meter features: $\mathrm{AC} / \mathrm{DC}$ sensitivity of 1 K ohm/v. totals 38 ranges: $A C / D C$ volts: $0-1.5-10.500 \cdot 5000 \mathrm{AC} /$ DC. Current: 0-1-10 m.a. 0-0.1-1 amps. Ohms 0-5K. 100K-1 meg. DB: -20 to +68 in 6 ranges. All components and instructions sup. plied. $63 / 4 \times 51 / 4 \times 3^{\prime \prime}$. Shpg. wt. $31 / 4$ lbs.
38 R 26013 Model 566 Kit... Net 19.95 Model 566. As above, but factory wired. 38 R 26021

Net 27.95
Model 556K. Same as 566K but with $1 \%$ resistors. Shpr. wt., $31 / 4 \mathrm{lbs}$. 38 R 26039

Net 21.95
Model 556. As above, but factory wired. 38 R 26047

Net 29.95 MODEL 536 K (Not Iliustrated). Outstanding value. $3^{3 *}$ meter features AC/DC sensitivity of $1 \mathrm{~K} \mathrm{ohm} / \mathrm{v}$. 31 ranges-AC/DC volts: 0-1.5-10-50-100-5000. AC/DC current: $0-1-10 \mathrm{ma}$. 0.0 .1 amp. ohms: $0.5 \mathrm{~K} ; 100 \mathrm{~K} .1$ meg. $\mathrm{DB}-20$ +69 in 6 ranges. All components and in structions supplied. $61 / 2 \times 33 / 4 \times 23 / 4^{*}$. Shpg. wt. $21 / 2 \mathrm{lbs}$
38 R 26054 Model 536 Kit .... Net 16.95 Model 536. As above, but factory wired. 30 R 26062

# EICO Tube and Transistor Checkers-Kit or Factory Wired 



- Measures Transistor ICBO, ICEO, DC Beta
- 20K Ohm per Volt VOM For Testing Transistor Circuits
Accurately measures basic transistor ano diode characteristics. Checks ICBO, ICEO, DC Beta; simulated AC Beta. 20,000 ohms/ volt meter includes 5 DC current range. ICBO I IC ranges: $50 \mathrm{ca}, 500 \mu \mathrm{~A}, 5 \mathrm{ma}, 50 \mathrm{ma}$, 500 ma . Transistor DC Beta rances: 2 to 30, 20 to 300 Test Positions: ICBO. ICEO, PWR, ICBO, PWR, ICEO, B CaI, Read B. DC voltage ranges: 5 V and 50 V , 3 resistance ranges: ( 0 to $2,000,0$ to $200,000,0$ to 20 megohm). $\pm \mathbf{3 \%}$ accuracy. Self-powered. With leads, batteries. Bakelite case $6 \mathrm{Hx} 5 \mathrm{~W} \mathrm{x}^{\prime \prime} \mathrm{O}$.
38 R 26856 Kit Shpg. wt., $31 / 4 \mathrm{lbs}$. Net 34.95 Model 680. Same as above, but factory wired.
38 F 26854
Net 54.95
MODEL 635K PORTABLE TUBE TESTER KIT

- Extremely Portable Design

Tests new Decals, Magnovals, Novars, Nuvis. tors, Compactrons, 10 pin, fareign, hi-fi, industrial types, and all popular TV picture tubes. Rapid tests for dynamic cathode emls sion, shorts, grid leakage, and gas. Even where internal pins are lled or heater is tapped. shorts can be detected. $31 / 2{ }^{\prime \prime}$ D'Ar. sonval type meter protected against bumout. Other features include: meter bridge circuit for assured accuracy; pin stralginteners; long llfe phosphor bronze sockets; short and grid leak indicator; power indicator; modern luggage design, scufi-proof case. Includes comDlete tube chart. $81 / 8 \times 113 / 8{ }^{2} 31 / a^{*}$. Shpr. wt. $8 \% / 4$ lbs.
38 R 27383 KIt
Net 49.95
Model 635-As above, but factory wired.
38 R 27391
Net 74.95

MODEL 685 DYNAMIC SEMICONOUCTOR \& CIRCUIT RNALYZER


- Measures FET and Bipolar Transistors
- Test Iransconduçtance and Beta-In and Dut of Circuit


## - Built-In Voltmeter and Ohmmeter

Tests FET, Bipolar and Unijunction transis. tors, silicon-Controlled Rectifiers, Power Rectifiers, Signal Diodes, and Zener Diodes. Builtin DC voltmeter and ohmmeter, 0-500 volts. 400 ohms-10 megohms. 1\% resistors, $50 \mu \mathrm{a}$, Taut Band meter. AC beté tesi from 2 to 1000 on power and small signal devices, from 2 to 100 on RF transistors. $0-50,000$ micromhos AC transconductance readings, IOSS. IGSS and pinch-off voltage readings. aipolar Transistor Tests: AC Beta 2-100 at $\mathrm{IC}=\mathbf{0}$. 2 ma for RF devices. For 120 VaC , 60 Hz . size (HWD): $12^{1 / 2181 / 256^{\prime \prime}}$, wt., 9 lbs. 38 R 27623 Model 685 Kit

Net 99.95
Model 685. Same as above but factory wired. 38 R 27631W

Net 149.95

## MODEL 633K CRT TESTER AND REJUVENATOR KIT



No Money $119^{95}$

- 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 volt. age and filament voltage read on $41 / 2^{*}$ meter, also beam current on a 3 -color BAD. ?-GOCb scale. Neon-lamp circuit for short open testing. 6 push-buttons enable instantaneous measurement without danger of CRT damage. Spring-return repair push-button is used to apply 1000 VDC for rejuvenate proc ess. Tor 105.130 Volts AC. 60 Hz Size: 12 W x93/月15 5"D. Shoe. wt. $11 \mathrm{M} / 4 \mathrm{lbs}$
38 R 27367 Kit.
Net 89.95
Model 633 as above. but factory wired. 38 R 27375W ..........................Net 119.95

MODEL 443K SEMICONOUCTOR CURVE TRACER KIT


- Output of 443 Cen be Displayed on

Any General Purpose Scope
Tests power and signal transistors, diodes and rectifiers. Adopts to any general purpose oscilloscope and displays the DC character. istics of semiconductor devices. Built in oscilloscope calibrator voltage switch. Con. tains a flashing indicator light to indicate when high voltage is present at the diode test terminals. Transistor tests: Beta - 6 volts at 10 ma , maximum collector current Yor signal transistors and 6 volts at 1 amp. max. collector current for power transistors. Diode tests include: Forward current (0-1,100 ma). Reverse Current (IR) - $(1,10,100 \mu a /$ div). Peak imuerse voltage (PIV) - $(1,10,50$, 100 volts/div). Size: $3 \times 112 / 2 \times 91 / 2$. 38 R 27409 Shpg. wt., $101 / 2$ lds.... Net 99.95

Model 443 kit as above but factorv wired.
38 827417
MODEL 667K DYNAMIC CONDUCTANCE TUBE AND TRANSISTOR TESTER KIT


- Separate Plate, Screen, and Grid Switches
- Test All New Tube Types

Combines a mutual conductance test with a peak emission test to glve a single reading of tube quality. Also checks transistors for leakage and beta. Tests almost every domes. tic or foreign tube including nuvistors, novars, compactrons. minlatures. subminiatures, octals and loctals. Tests special purpose tubes, voltage regulators, electron ray, etc. Multi-eircuit level switch; 15 tubeelement pushbutton switches. $41 / 2^{-2} 200 \mu \mathrm{~A}$ $0^{\circ}$ Arsonval meter; roll chart. Steel case. For $105-130 \mathrm{v}, 60 \mathrm{~Hz} A C .12 \times 15 \times 412^{\prime \prime}$. Shpg. wt.. $203 / 4 \mathrm{lbs}$
38 in 26526 W
Model 667 as above, but factory wired.
38 R 26534W ….................................. 149.95

## EICO Signal Generators - Kit or Factory Wired



A deluke instrument with superb testing facilities, engineered for high sensitivity as well as good audio quality. Features high gain RF and low gain audio channels. Both visual and aural monitors. With shielded RF crystal demodulator, valuable noise locator circuit, buitt in calibrated wattmeter, sub. stitute test speaker, amplifier and output transformer. Output for VTVM or scope. Triode input circuit for extreme low noise. Hum free operation. Complete with all components and instructions with probes. For $105-125 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$. $8 \times 10 \times 41 / \mathrm{m}^{\prime \prime}$. Shpg. wt., 11 lbs.
38 R 26617 Kit.
Net 39.95
Model 147A. As above, but factory wired
30 R 26625 No Money Down*
Net 59.95
MODEL 379 SOLID.STATE
SINEISQ WAVE GENERATOR KIT


- Covers 20 Hz to $2 \mathrm{MHz} \ln 5$-Bands

Simultaneous Sine and Square wave outputs! Frequency Range: Sine Wave -20 Hz to 2 $\mathrm{MHz}_{\text {, }}$ Square Wave -20 Hz to 200 kHz ; Output voltage: Sine Wave -0.7 .5 volts rms into high impedance output, 0.6 .5 volts into 600 ohms; Square Wave -0.10 volts peah-topeak into high impedance. Accuracy: $3 \%$. For $105-132 \mathrm{VAC}$. $50 / 60 \mathrm{~Hz}, 71 / 2 \times 81 / 2 \times 81 / 2^{\prime \prime}$. 38 R 27532 Shpg. wt., $111 / 4$ lbs. .... Net 69.95 Model 379 as above but factory wired. 38 日 27540 No Money Down* .. .... Net 99.95

## MODEL PSI SIGNAL

INJECTOR PROBE KIT
Pocket size, cordiess, pen type instrument generates and injects a signal covering the audio, IF, and RF spectrum. Contains a solid state oscillator powered by two tong-life $11 / 2$ volt penHght cells. Can be coupled into magnetic pickups and circults without teads. Oscillates at 1000 kHz with harmonies to 30 MHz . Impedance: 10 K ohm. Size: $59 / 4^{\prime \prime}$ long $\times 1 / 2^{\prime \prime}$ diameter. 38 h 27359 Kil Wt., 4 oz - Net 5.95 38 il 27342 Factory Wired ... Net 9.95

MODEL 150 K SOLID-STATE SIGNAL TRACER KIT


Multi-purpose signal tracer! Provides component substitution of output transformer and speaker. Has indepenedent RF and audio inputs; speaker and callbrated meter output indicators. Ideal for troubleshooting AM, FM and TV receivers as well as hifil and PA audlo equipment. High frequency RF point contact crystal demodula. tor probe and direct audio probes are provided. SPECIFICATIONS: Output- 400 mw . vided. SPECIFICATIONS: Output- 400 mw .
Input for rated output-RF 1 mV audio nput for rated output-RF 1 mV , audio
-63 mV . Hum-better than 60 db below 400 mw . Meter movement - 200 uA . For 105 -132vaC., $50 / 60 \mathrm{~Hz}$. Sizep $71 / 2 \times 81 / 2 \times 5$ " D. Shpg. wi., $83 / 4 \mathrm{lbs}$.

30 R 27516 Kit Net 49.95
Modet 150 as above but lactory wired. 38 R 27524 No Money Down* .- Net 69.95

## MODEL 377K

 AUDIO GENERATOR KIT

## WIRED



- Sine Wave: $20-20,000 \mathrm{~Hz}$ In 4 Bands - Square Wave: $60.50,000 \mathrm{~Hz}$ Model 377 features R-C (Wien Bridge) oscilllator circult with 1\% precision resistors. Includes choke filtering in the power supply. Excellent calibration accuracy, stabllity and purity of wave-form. Response: $\pm 1.5 \mathrm{db}, 60$ $150,000 \mathrm{~Hz}$. Distortion less than $1 \%$. Hum less than $0.4 \%$. Accuracy $3 \%$. For 117 VAC . $60 \mathrm{~Hz}, 50$ watts. Size. $71 / 8 \times 114 \mathrm{y} \times 7 \mathrm{~m}^{\prime \prime}$. Shpg. wt., 14 lbs.
38 R 26533 Kit .
Net 49.95
Model 377 As above, but factory wired 38 . 26641 No Money Down* ........ Net 64.95 wired.

MODEL 385 SOLID STATE COLOR BAR GENERATOR KIT


- 10-Bar Color Oisplay plus Dot and Cross. hatch Pattern
Crystal-controlled, portable unit. Feeds directly into antenna terminals on TV. Produces 10-bar color display plus a well defined dot and crosshatch pattern. Provides individual horizontal and vertical llies for convergence adjustments. A color-coded gun kilier can eliminate 1,2 , or 3 colors. Operates on $6{ }^{\circ} \mathrm{C}$ " cells. $21 / 2 \times 81 / 2 \times 8$. Shpg. wi. 7 lbs .

30 R 2741 Kl . No Money Down* Net 69.95 Net 99.95 Net ea. | Net |
| :--- |

## MODEL 369K TV-FM SWEEP MARKED GENERATOR KIT



## KIT <br> 

## WIRED



- Aligns TV and FM IF's
- Both Variable and Crystal Marker Oscillator
- Incorporated Marker-Adder
- Supplied with Cables

Features post injection marker and sweep circuit. Sweep gen. is independent of marker gen. and feeds sweep signal only to $1 F$ strip being allgned. 5 ranges, from 3.5 MHz to 220 MHz . Impedance: 50 ohms. Variable fre. quency Marker: 4 ranges, $2-225 \mathrm{MHz}$ - 2-75 MHz in Fundamentals, to 225 MHz in Mar monics. Fired Frequency Markeri 4.5 MHz . crystal included. For $105.125 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$ Size: $12 \frac{1}{2} \times 8 \frac{1}{2} \times 7^{7 \prime}$. Shpg. wt., 16 lbs. 38 R 26574W Kit.

Net 109.05 Model 369. As above, but factory wired. 30 最 26682 Wx No Money Down ${ }^{\circ}$ Net 159.95

## NFW DELUXE 378K AUDIO GENERATOR



- Switch Selectable Frequency Dutput - One Hz. to 110 kHz
- Metered Output Voltage

Switch selectable frequency output from 1 Hz . to 110 kHz : one Hz steps $(1-110 \mathrm{~Hz}) ; 10$ Hz steps $(10-1100 \mathrm{Mz}) ; 100 \mathrm{~Hz}$ steps ( 100 Mz -1.1 kHz ); 1 kHz steps ( 1 kHz to 110 kHz ); FREOUENCY ACCURACY $\pm 5 \%$. DISTORTION: Less than $0.1 \%, 20 \mathrm{~Hz}-20 \mathrm{kHz}$. OUTPUT VOLTAGE RANGES: 0-3. 10 V into Mi-z (10K min.$)$; $0-.003, .01, .03, .1,3,1 \mathrm{~V}$. into ext. or internal 600 ohm load. OUTPUT METER AC CURACY: $\pm 5 \%$ of full scale. POWER RE. QUIREMENTS: $120 \mathrm{~V}, 50 / 60 \mathrm{~Hz}, 40$ watts. SIZE; $81 / 2 \times 121 / 2 \times 9^{\prime} 0$. Shpg. Wt., 16 ibs. 38 R 27706 w Kit. Net 69.95 Model 378. As above, but factory wired. 38 ด 27714 W N No Money Down $^{*}$.... Net 95.95

## EICO Generator and Scopes-Kit or Factory Wired



- $150 \mathrm{kHz} .-435 \mathrm{MHz}$. in 7 Bands with $\pm 1.5 \%$ Accuracy
For IF-RF alignment, signal tracing and trouble-shooting of TV, FM, AM sets all on fundamentais; marker generator for allgnment of new HF and older LF TV IF's. Range $150 \mathrm{kHz}-145 \mathrm{MHz}$ on fundamentals 111.435 MHz on callbrated harmonics- $\pm 1.5 \%$ frequency accuracy. Internal 400 Hz sine-wave modulation varlable from $0-50 \%$. Colpitts oscillator. Variable gain external modulation amplifier; Turret-mounted, slugrtuned colts. RF output 100,000 microvolts. AF output up to 10 volts. Output impedance is 50 ohms. For $105-125 \mathrm{~V}$. AC $50 / 60 \mathrm{~Hz}$. Size: $8 \times 10 \times 43 / 4^{\prime \prime}$.
Shpg. wt., $91 / 4 \mathrm{lbs}$.
38 R 26591 Kit. Net 39.95
Model 324. As above, but factory wired.
38 R 26609 No Money Down* ...... Net 54.55


## DELUXE MODEL 460K

5" WIOE BAND DC SCOPE KIT


- For Color \& Black \& White
- 10 MV RMS/CM Sensitivity
- DC to 4.5 MHz Flat Response
- TV-V and TV-H Sweeps

[^22]EICO 330K SOLID STATE RF SIGNAL GENERATOR KIT


- 100 kHz . to 54 MHz . in 5 bands
- Precision Vernier Tuning Control
- RF Coarse Attenuation-3 Steps
- RF fine Attenuation-0 to $100 \%$

Wide-range RF generator for allgning TV's, AM and FM radios and communications equipment. Coarse and fine level controls for both the modulated and unmodulated RF output. RF Fundamental Frequencies. 100 KHz to 54 MHz in 5 bands; Output: more than $300.000 \mu \mathrm{IV}$ into 50 ohm load; RF Coarse Attenuation: three steps; RF Fine attenuetion: $0.100 \%$; Internal Modulation: approx, 400 Hz from $0-100 \%$; Power requirements: 105-132 V. 50/60 Hz AC, Size: $71 / 2^{" H} \mathrm{X}$ $81 / 2^{*} \mathrm{~W} \times 5^{\prime \prime} \mathrm{D}$. Shpg. wt.. $8^{21 / 4}$ lbs. 38 品 27656 Model 330 kit

Net 59.95 Model 350 as above but factory wired. 38 R 27649 No Money Down* ....... Net 89.95

## MODEL 465 K PROFESSIONAL 5" OSCILLOSCOPE- VECTORSCOPE



## - DC to 8 MHz

## - 12 MV RMS/CM Sensitivity

Preset TV-Vertical and TV-Horizontal sweep positions ( 30 and 7875 Hz ) makes the 465 deal for all aspects of color and B/W TV servicing. Zener diode controlled voltage cal. lbration source; distortioniess $V$ and $H$ trace expanslon; drift-free $V$ and $H$ positioning; automatic sync limiter and amplifier; fuli retrace blanking; edge lit calibration grid. Vertical amplifier specs: response from DC to $8 \mathrm{MHz}(+1-5 \mathrm{db})$; sensitivity, $12 \mathrm{mv} /$ cm rms ; input Impedance, 1 meg: Horizontal amplifier response from DC to $1 \mathrm{MHz}(+1$ $\mathrm{m}^{3} \mathrm{db}$ ); sensitivity, $17 \mathrm{mv} / \mathrm{cm} \mathrm{rms}$; Input impedance, 1 meg; sweep ranges: $10-100$ $\mathrm{Hz}, 100-1 \mathrm{hHz}, 1 \mathrm{kHz}-10 \mathrm{kHz}, 10.100 \mathrm{kHz}$. Plus: TV-VERT positlon ( 30 Hz ) and TV-HOR position ( 7875 Hz ): For $117 \mathrm{y} . \mathrm{AC} .60 \mathrm{~Hz} .123 / \mathrm{Hz}$ $81 / 2 \mathrm{Wx} 1712^{\mathrm{CN}} \mathrm{O}$. Shpg, wt., $341 / 4 \mathrm{lbs}$. 38 a 2742Ew $\qquad$ Nel 179.95
Model 465 as above but factory wired 38 R 27433 W No Money Down ". Nel 249.95

MODEL 950K R-C BRIDGE
\& RCL COMPARATOR KIT


- Comparator Range Allows the Use of Complementary Components as Standards
Combination RC bridge and comparator, a direct reading ratlo scale for comparison measurement of capacltance, resistance and Inductance with a "standard" complimentary component. Measures (in 4 ranges) 0.5 ohmas to 500 megohms; 10 mmf to 5000 rofd. Comparator range: 05 to 20. Variable DC pelarizing voltage from 0 to 500 V tests capacitors for leakage and shorts. "Eye" "tube null indicator. Less leads. For $105 \cdot 125 \mathrm{~V}, 60 \mathrm{Mz}$ AC. Steel case. 8HE10Wx43/4"D. Shpg. wt., 8 lbs.
38 R 26898 Kit
Net 29.95
Model 950. Same as above but factory wired 38 ${ }^{2} 26906$ No Money Down* .... Net 44.95


## MODEL 955K IN-CIRCUIT

CAPACITOR TESTER KIT


- 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 or as littie as 1 ohm shunt resistance). Checks for opens; capacitors as small as 15 mmf In or out of circuit: Wien bridge circuit measures capacitance with $\pm 10 \%$ accuracy between 0.1 mf and 50 mf at any point on the $4^{\text {n }}$ lucite diad-product, convertible Into dissipation or power factor-Indications visible on electron ray tube. Includes fine adjust controi. For $105-130$ VAC. Size: $83 / 2 \mathrm{H} \times 53 / 4 \mathrm{~W}$ $\times 6^{-}$. Shpg. wt. $61 / 4 \mathrm{tbs}$.
38 : 26914 KHt .
Net 29.95
Mode! 955. Same as above but factory wired. 38. 26922 No Money Down* ........ Net 44.95

## EICO Miscellaneous Test Instruments-Kit or Wired

## RESISTANCE \& CAPACITANCE

#  

SUBSTITUTION BOX KITS

1171K
1180K CAPACITANCE DECADE KIT Range: 100 mmf to 0.111 mf in increments of 100 mmf . 3 decade assemblies. Rated 350 VOC continuous, 500 VDC intermittent, 1000 VDC test. Accuracy $\pm 1 \% .9 \times 31 / 2 \times 31 / 2{ }^{\prime \prime} \mathrm{D}$. Shipg. wt., $23 / 4$ lbs.
38 R 26799 Kit
Net 24.95
Net 34.95
38 R 26807
Net 34.95
1171K RESISTANCE DECADE KIT Substitute equivalent values of resistance
in a circuit. From 0 to 99,999 ohms in 1 . In a circuit. From 0 to 99,999 ohms in 1 -
ohm steps in 5 decades. Uses $0.5 \%$ accurate resistors. Comparator switch permits instant substitution. $12 \mathrm{~L} \times 31 / 2 \mathrm{~W} \times 3^{\prime \prime} \mathrm{D}$. Less leads. Shpg. wt., $34 / \mathrm{lbs}$.
38 R 26773 Kit .
Net 29.95
Model 1171 Same as above but factory wired 38 R 26781 No Money Down ${ }^{\text {N }}$ Net 39.95
MODEL 1140 SERIES/PARALLEL
RC.SUBSTITUTION BOX KIT


A versatile series parallel RC combination substitution box with switch ing faclilties 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 circuit positions provided. Can be substltuted in circult to determine values. Convenient 5 -way jack binding
 38 R 26872 Ktt

Net 19.95
Model 1140. Same as above but factory wired and tested.
38 R 26880
Net 29.95

## MODEL 888 SOLID STATE DELUXE ENGINE ANALYZER KIT <br> 

- Large 6" D'Arsonval 2 Color Meter Seven professional erigine and Ignition sys. tems in one. Determine the condition of battery, starter, ignition coll, distributor, volfage 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: Owell 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 16V'. DC; Ohms - 0 to $20 \mathrm{k} \Omega$ for general continulty and alternator diode testing; Current - 0 to 90 amps. DC. $111 / 2 \times$ $6 \times 5^{\prime \prime}$ Shog. wt.. 9 lbs .
38 R 27227 Kit. No Money Down* Net 54.95 Model 888 as above but factory wired 38 R 27235 No Money Down* .... Net 79.95

MODEL 944K FLYBACK TRANSFORMER AND YOKE TESTER KIT


- Large, Easy-To-Read 41/2" Meter
- Separate Calibration For Air-Core And Iron-Core Flybacks And Yokes

Provides a positive check, in just a few seconds, on all types of flybacks and yokes, both in and out of the circult. Operates on extremely sensitive grid-dip principle to show up even ane shorted turn. Separate callbration settings for air-core flybacks and yokes to assure accuracy in testing both types. Large, easy-to-read $41 / 2^{\prime \prime}$ meter, with three colored scales. Tube complement: one 6KE. $105-125 \mathrm{~V}$. AC, $60 \mathrm{~Hz} .7^{\prime \prime} \times 5^{\prime \prime} \times 4^{\prime \prime} \mathrm{D}$. Shpg. wt. 53/4 8bs.
38 R 27011 KH
Net 29.95
Model 944. Same as above, but factory wired. 38 R 27029 No Money Down* ........ Net 44.95

## 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.

[^23]MIIM MODEL 887 SOLID-STATE PORTABLE IGNITION/ ENGINE ANALYZER

WIRED ONLY


- For 6,12 , and 24 Volt Systems, 4 , 6, or 8 Cytinder Engines, Positive or Negative Ground
Accurately checks voltage and current regulators, generators, alternator diodes. Checks distributor wear, condition of point suriaces váriation of dwell angle. Determines coll resistance, locates poor or open electrical ground circuits. Single function switch for ground circuits. Single function switch for
operating ease. Big 4 " meter has sensitive D'Arsonval movement; scales for $0.1200-6000$ engine rpm; $0-13-15-30$ volts; $0-90$ amps; 0.100 ohms; $0.45^{\circ} .60^{\circ}$ dwelf angle; spark output and leakage. Size: $41 / 2^{\prime \prime} \mathrm{H} \times 51 / 2^{\prime 2} W \times 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $11 / 2 \mathrm{lbs}$
38 R 27680 No Money Down* Net 49.95


## MODEL 540K UTILITY TESTER KIT



An all-In-one Mult-Range $A C / D C$ voltmeter ammeter, ohmmeter, waitmeter and leak: age checker. Indispensable in home repairs of electrical appliances, and in eutomotive trouble-shooting of batterles, generators distributors, etc. $31 /{ }^{\prime \prime}$ meter. Ranges: Volts AC/DC 0-7.5-15-150-300. AC/DC current: 0-15 amps. Ohms: $0-1000$ ohms. Capacitof leakage test. All components and Instructions sup plied. $37 / 4 \times 61 / 2 \times 31 / 2^{\prime \prime}$. Shps. wt., $21 / 4$ lbs. 38 R 26245 Model 540 Kit ........ Net 19.95 Model $540^{\circ}$. As above. but factory wired. 38 R 26252

Net 29.95
MODEL 585K BATTERY TESTER


Test all popular battery types rapldly under typlcal load, Specs: Test Positions(Y): 1.5 (\#6 cell) 1.5 (C, D cells), 1.5 (AA cell), 4.5 $6,9,12,22,45,67.5$, spare. Max. Battery Voltage and Current Spare Position: 250 V 500 ma . Meter: 15 ma . 90 , weak-good scale. Size (HWD): $61 / 4 \times 3 \times 2^{\prime}$ inc, test leads. Shpg. wt., 2 lbs.
38 R 27607 Model 585K ........ Net 12.95
Model 585. As above, but factory wired
38 R 27615

(A) MOOEL 212 TTिANSISTOR ANALYZER KIT, 8attery powered, checks all transistors for beta in 3 ranges to 200; leakage oa 3 -color scale. Tests all transistors in circuir without removing them. Can be used to signal trace AF, IF or RF circults. Also measures battery voltages on 0.12 volt peak and DC current draln on 0.80 miltiampere scale. Checks condition of diodes. Sepplted with test leads and instructions. Size: $33 / 4 \mathrm{~W} \times 6 \mathrm{M} / \mathrm{Hx}$ ? "D. Shpg. Wt., $21 / 2 \mathrm{lbs}$.
38 R 24018 Model 212 kit
38 R 24026 Model 212 wined
Net 14.95
Net 22.50
B MODEL 213 TUAE TESTIR KIT. Checks all new Compactrons, Nuvistors, Novars and 10 prong tubes in addition to Octals, Loctals, Miniatures and 9 -prong tubes. Tests for shorts, leakages, intermittents and quality. Quality is indicated directly on 3-color metal dial. Each section of multi-purpose tubes is checked separately. Also tests Magic Eye, Voltage Regulator and Hi-FI tubes. Supplied complete with high-Impact bakelife case and strap, Instructions and tube charts in ring bound manual. Size: $81 / 2 \times 71 / 2 \times 4^{-\prime \prime}$. Shpg. Wt., $5 \% / \mathrm{lbs}$. 38 R 24034 Model 213. kit
38 R 24042 Model 213 wired
(C)

## $2^{45}$

(C) MODEL 801 RESISTANCE COMPARASOR CAPACITANCE E CAPACITY CHECKER KIT. Measures condensers for actual value, leakage, and power factor. Detects in-circuit opens above 50 mmfd , shorts up to 20 mid, 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 beiween 0.500 VOC. Slze: $10 \times 7 \times 5^{\prime \prime}$. Shpg. Wt., $9^{1 / 4} \mathrm{lbs}$.
38 R 24059 Model 801 kit
Net 29.45
38 R 24067 Model 801 wired
Net 47.95
(b) MODEL 802 SIGNAL TRACER AND GENERATOR KIT. Combination signal tracer and generator. In the absence of a signal it generates Hs own signal for audlo. IF or RF lesting. Incorporates a noise locator circuit for checking noisy components. Provisions are made for using the Instrument as a substitute speaker or amplifier. Audlo Frea., 400 Hz ; IF Freq., 455 kHz (Mod.). Complete with demodulator and audio probes. $10 \times 7 \times 5^{\prime \prime}$. Shpg. wt., $91 / 4$ lbs.
38 R 24075 Model 802 kit
Net 29.45
38 R 24083 Model 802 wired $\qquad$ Net 48.95

## Test Leads and Probes

 voltages from 60 volts $A C$ to 550 volts AC or DC. Imported. Shpe. wt., 2 oz.
99 月 80715
Net ea. . 49 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 $x \geqslant / 8^{\prime \prime}$ dlameter. Supglied in pair of one red and one black. Avaliable with elther pin or banana plugs. Imported. Snog. wt. 8 oz.
99 R 50015 With Banana Plugs Net . 59 99 R 50023 With Pin Pluge ...... Net . 59


This small self-contalned probe featuring a bullt-in voltmeter, can be used for any color or B\&W TV set. Easy to opeate! Made of high impact plastic, it requires no batteries or external power source-no warm-up time. 30,000 volts DC range; 20,000 ohms/volt sensitivity; accuracy of $\pm 3 \%$; multipller resisfance is 600 Megohm $\pm 2 \%$. Overall. length is only $141 / 4^{\prime \prime}$. With ground wire and cllp. Shag. wt., 12 oz.

## 38 R 12013

Net 19.95

## STRETCH-TYPE TEST LEAOS



Cannot kink or become entangled. 16* coll extends to 9 feet. Includes red and black plastic handies on each end. Probe 6 $\mathrm{Y}^{\prime \prime}$ long including fips. 1 mported. Shpg. wt. 602. 99 R 50239

Net 2.19

## high voltage leados

For hi-volt testing
in TV sets. Extra heavy duty.
Special finger guards. High tension wire. 22,000 volts breakdown. $48^{\prime \prime}$ long.


Stretch-type color-coded colled cord twin test leads. Furnished with $5 \sqrt{2}$ " test prods on one end and pin piugs on the cther end. Flexible vinyl clad wire cannot decome entangled. $30^{\circ}$ colled leads extends to $6^{\prime}$. Imported. Shpg. wt.a 5 oz .
99 R 50783
Net 1.19

## KLIPZON AUAPTERS



Convert old test points to self holding prods. Pierces insulation of standard phone tips or needle type.
32 R E0153 Red, 2 oz. Net ea. . 44 32 R 80161 Black, 2 oz.......Net ea. . 44


Consists of: pair of red and black color coded $43 /$ " $^{\prime \prime} \times 78^{\prime \prime}$ plastic handle pin prods with $30^{\prime \prime}$ plastic insulated leads terminating in coded $\boldsymbol{z}^{\prime \prime} \times{ }^{\prime} /^{\prime \prime}$ banana plugs; pair of spade lugs; palr of phono-tips; and pair of red and black insulated alligator clips. Handsome compartmented plastic case. $=1$ mported. Shpg. wt., 7 oz.
99 R 50031
Net 1.95


Completely flexible for difficult test situa. tions. Plunger when pushed in enables steel forked tongue to grip wire or terminal you are testing. Accepts banana plug or bare wire. $6^{\wedge}$ long. Imported, Shpg. wt., 4 oz.
32 R 37005 Red
Net 1.47
32 R 37013 Black
Net 1.47
B \& K FR3 3 POINT PROBE
 in insutated alligator clios.

Easy one-hand way to check transistors, diodes and components in Printed Circuit Boards. Needle tips are spring loaded for proper contact. Colorcoded leads terminate 38 R 17269 Shpg. wt., 8 oz. Net 12.95

# Reliable Test Equipment...At Low Prices 



- Use As A DC Power Supply
- Use As A Battery Eliminator For Transistor Radios
- 4.5, 6, 9, and 12 V Output Voltazes
- Up to 140 MA Output

Essential Instrument for repair of solid state equipment requiring constant low voltage. Doubles as a convenient battery eliminator for transistor radios. Highly filtered circultry provides four output voltages: 4.5 v ., $9 \mathrm{v}, 6 \mathrm{v}$. and 12 v . Voltage selection is simplified with Pront panel stide switches. Up to 140 MA output. Features transformer power supply and pilot light. For 117 VAC. Overall size:
 99 R 50742

Net 7.95

## LAFAYETTE TRANSISTORIZED DC POWER SUPPLY



\author{

- AC Ripple Less Than . $025 \%$ <br> - Transistorized Regulation Circuitry
}

Provides continuously variable voltage and current with low ripple. Excellent for operation of transistorized devices. Panel meter reads either current or voltage. SPECIFICATIONS-Output voltage: $0-20$ volts DC (Continuously variable). Output Current: $0.20 \mathrm{MA}, 0.200 \mathrm{MA}$ (in two ranges). AC Ripple: less than . $025 \%$. Power Input: $110-120$ volts, $50.60 \mathrm{~Hz}, \mathrm{AC}$. Fully fused. Size: $64 \mathrm{k} \times 1 \mathrm{l} / \mathrm{s} \times 3 \mathrm{M} / \mathrm{m}^{\prime \prime}$. Imported. Shpg. wt., $23 / 4 \mathrm{Ibs}$.

Net 16.95


- 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 ana. lyzer. 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 jacks 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. Com. plete with ofetalled procedure booklet. $61 / 4 x$ $37 / 4 \times 2$ ". Shpg. wt., $13 / 4 \mathrm{bs}$.

## LAFAYETTE RESISTANCE-CAPACITY SUBSTITUTION BOX

## - 24 Resistance Values

- 9 Capacitance Ranges

Versatile service instrument .... enables tor or capacitor ualues Resistance of resis. two ranges ( 12 steps each)-Low: 15 ohms to 10 K ohms: Migh: 15 K ohms to 10 Meg ohms. $\pm 10 \%$ accuracy. Capacitance ranges are: .0001; . $0010 ; ~ .0022 ; ~ .0047 ; ~ .010 ; ~ .022$ : $0.47 ; 10 ; .22$ MFD (rated at 400 volt working capacity). Slze: $51 / 6 \times 21 / 2 \times 11 / 4 \mathrm{H}$. Imported. Shpg. wt., $3 / 4 \mathrm{lb}$. 99 R 50759

Net 4.95


Easily Installed
No Overload Damage
Protect your meter, regardless of make. against overloads. No more bent pointers. damaged pivots. or burnt out coils. Installation of metergard will allow your meter to withstand as much as a $10.000 \%$ overload. Shpg_ wt.. 207.

Net 2.95

## CHEK-IT ELECTRICAL CIRCUIT TESTER



Here is a handy pocmet size tester which is ldeal for servicemen, schools, electricians and hobbyists. Completely portable and simple to use, checks eiectrical continulty of line cords, switches, colls, and fuses. Ideal for checking out buzzers, chimes, ano va. rious other etectrical appliances. Uses 2 inexpensive penlight cells, Shpg. wt., 3 oz. 38 R 79087 Chek-lit less batteries Net 1.88 Battery for "Chek-it." 2 required. 99 R 62580

## Bench Power Supplies-Battery Eliminators \& Chargers

## Lafayette SOLID-STATE REGULATED DC BENCH FOWER SUPPLY



- Automatic Protection Against Overload
- Continuously Variable Qutput Voltage 5-13, 12-20 VOC at 0.2 Amp
- Output Voltage Regulation: $\pm 1 \%$

Lab-type regulated $D C$ bench power supply with dual sange voltage selector. Ideal for all types of transistor servicing and testing. Provides well filtered, continnously adjustable DC output of 5.13 or $12-20$ volts. Fully regulated with continuous output current of up to 2 amp. with less than 5 mV RMS ripple at full load. Selfrestoring overload protection. Two D'Arsonval meters for constant monitoring of voltage and current output. Both input and output of power supply are fused for maximum protection. Input: 115 or 230 $V A C \pm 10 \% 50 / 60 \mathrm{~Hz}$. Housed in a rugged steel case. Size: $61 / \mathrm{H}$ $x 41 / 2 \mathrm{~W} \times 83 / 4{ }^{\prime \prime} \mathrm{D}$. imported. Shpg. wt., 9 lbs.
99 R 50775
Net 39.95

## EICO BATTERY ELIMINATOR AND CHARGER KITS


F. MODEL $1060 S$ KIT. SPECIALLY DESIGNED FOR SERVICING ALL TYPES OF TRANSISTOR EQUIPRENT. Selection of voltége range automatically provides approprlate current range. Fused transformer primary. Contlnuous voliage aojustment with Variac. 2 DC ranges and dual-range ammeter for accurate readings. Ranges: high $=0.16 \mathrm{~V}$. $1.5 \%$ ripple at $2 \mathrm{amps}: 2 \%$ at $6 \mathrm{amps}: 6$ amps. contisuous, 12 amps intermittent: low $-0.8 \mathrm{v}, 0.3 \%$ ripple at $2 \mathrm{amps} .1 .5 \%$ at 10 amps. 10 amps continuous, 20 amps intermittent. Heavy-duty sllicon rectifiers. For $105-125$ volts $50 / \$ 00 \mathrm{~Hz}$ A.C. All components and instructions included. $83 / 4 \times 101 / 2 \times 73 / 4$ ". Shpg. Wt., $171 / 4 \mathrm{los}$.
38 R 27284 Kit
Net 54.95
Madel 1060S. As above, but factory wired and tested.
38 R 27292
Net 74.95
D. MODEL 1064S KIT. IDEAL FOR TRANSISTOR, TUBE, "WYBRID" AUTO RADIO REPAIR. Features. 2 DC voltage ranges, 6 or 12 V . DC. Separate voltmeter and dual range ammeter-up to 10 amperes continuous. Heavy duty silican rectifiers. AC ripple: $0.3 \%$ @ 2 amperes. For $105-125$ volts, $50 / 60 \mathrm{~Hz}$; Size: $81 / 2^{" H} \times 53 / 4 \mathrm{~W} \times 71 / 2^{-1} \mathrm{D}$.
Shog. wt., 17 lbs
38 R 27300 Kit
Net 59.95
Model 1064 S . As above, but factory wired and tested.
38 R 27318
Net 79.95 REGULATED POWER SUPPLY


- Regulated Against Line and Load Variations
- 0.30 Volts Continuous Output With Loads Up to 500 MA
- Voltage and Current Monitored by Meters

Provides the voltages and currents most commonly needed in the service shop as well as in the engineering laboratory. Low ripple enables you to use 1032 for testing portable radios, tape recorders. hearing aids, etc. May also be used in the laboratory as a fixed bias supply or for fulfilling any other regulated voltage requifement. Milliameter is fused to prevent burnout. Specifications: Output Voltage: 0 to 30 volts regulated. Output current: 0 to 500 ma. voltage Regulation: 0.2 volts change from 0 to maximum load with $105-135$ volt line. Ripple: less than 2.5 mv peak-to-peak. DC Voltmeter: $0-10$ volts. 0.50 volts. Milliammeter: 0.500 ma. Power Requirements: $117 \mathrm{VAC} / 60 \mathrm{~Hz}$. Size: $3 * / 4 \times 8 \times 43 / 4^{\prime \prime}$. Shpg. wi., 5 lbs . 38 R 27581 Model 1032 Kit. No Money Down ${ }^{\circ}$.... Net 44.95 MODEL 1032 W : As above but factory wired and tested. 38 R 27599 No Money Down ${ }^{\text {* }}$

Net 59.95

## EICO 1020 TRANSISTOR DC POWER AND BIAS SUPPLY KIT



APPLICATIONS INCLUDE:

1) Universal Power Supply for Transisior Devices
2) Variable Elas Supply for TV or Radio
3) DC Filament Supply


Continuously variable output voltage to 30 volts monltored 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 rom 12-24v. 300 ma from $24-30 \mathrm{v}$. Full-wave silicon-dfode rectifier circuit with R-C input filter plus two power transistors in a cascaded fitter circuit. Fuse protects unit against ovepload. Rugged steel case, $4 \mathrm{~W} \times 5 \mathrm{H} \times 51 / 2^{\circ} \mathrm{D}$. For 105.125 v ., 60 Hz AC 38 R 26955 Model 1020 Kit . Shog. wt., 5 lbs. Net 25.95 MODEL 1020W-As above but factory wired. 38 R 26863 No Money Down*

Net 34.95

ONLY
$24^{95}$


Now align any black and white, tube or solid state TV set. The Bel56 bus supply provides the bias that you need in any stage, negative or positive, as specified by the IV manufacturers. Three separate and independent 25 volt supplies offer a carefuliy calibrated output and a positive and negative polarity switch. Also has provisions to increase the output to a negative 75 volts for use on such sets as the RCA chroma amplitiers that specity 67.5 volts.



## Panel Meters

## METER SPECIFICATIONS

ACCURACY: Standard $\pm 2 \%$ on $A C$ and DC PolNTERS: Spade polimer is standard on all Phenolic serles panel instruments, Lance type pointer is standard on G-serles panel instruments.
D.C. INSTRUMENTS are the D'Arsonval type with Inear scales, extra-light moving coil; rugged constructlon; Bar-Ring Magnet and 1 plece die-cast frames. A.C. Instruments are the moving iron vane type, and have light parts, Jewel types have selected bearings, highly polished and specially treated plvots; white enameled metal dials are standard; molded zero adjusters, and ceramic pointer stops.
Average shpg. wt., $11 / 4 \mathrm{lb}$.


420
430


2217
3211 $331 \$$

- Indicates suspension type movement
$t$ indicates pivot and jewel type

DC MICROAMMETERS

|  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Range | $\begin{gathered} 221 \cdot T \\ 21 / 2^{m} \text { Rnd. } \end{gathered}$ | $\begin{gathered} 227.7 \\ 21 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | Each | $\begin{gathered} 321 \cdot T \\ 31 / 2^{\prime \prime} \text { Rnd. } \end{gathered}$ | $\begin{aligned} & 320-6 \\ & 31 / 2^{\prime \prime} \text { Rect. } \end{aligned}$ | Each | $\begin{gathered} 420 \\ 41 / 2^{\prime \prime} \text { Rect. } \\ \hline \end{gathered}$ | $\begin{aligned} & 420 \cdot 6 \\ & 41 / 2^{\prime \prime} \text { Rect. } \end{aligned}$ | Esch |
| $0.50+$ | 38 R 73312 | 38 R 73320 | 23.70 | 38 R 73338 | 38 R 77735 | 24.80 |  | 38 R 77800 | 25.90 |
| $0.100 t$ |  | 38 R 73379 | 22.10 | 38 R 73387 | - | 23.10 | 38 R 73403 |  | 24.30 |
| 0-200t | 38 R 73411 | 38 R 73429 | 20.40 |  |  |  |  | 38 R 77826 | 22.60 |
| 0-5001 | 38 R 73460 | 38 R 73478 | 19.30 | - | 38 R 77768 | 20.40 | 38 R 73502 | 38 R 77834 | 21.50 |
| 50-0-50* | 38 R 73510 | - | 23.70 | - |  |  | 38 R 73551 |  | 25.90 |
| 100-0.100* | 38 R 73569 | 38 R 73577 | 22.60 | - | 38 R 77784 | 23.70 |  | 38 R 77859 | 24.80 |
| 500-0-500* | 38 R 73619 | 38 R 73627 | 21.50 | - | - | 23.70 | 38 R 73650 | - | 23.70 |

DC MILLIAMMETERS

| Range | $\begin{gathered} 221 . T \\ 21 / 2^{\prime \prime} \text { Rnd. } \end{gathered}$ | $\begin{gathered} 227-1 \\ 21 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | Each | $\begin{gathered} 321-T . \\ 31 / 2^{\prime \prime} \text { Rnd. } \end{gathered}$ | $\begin{aligned} & 320 \cdot 6 \\ & 31 / 2^{\prime \prime} \text { Rect. } \end{aligned}$ | Each | $\begin{gathered} 420 \\ 41 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | $\begin{gathered} 420-6 \\ 41 / 2^{\prime \prime} \text { Rect. } \end{gathered}$ | Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.1 | 38 R 73668 | 38 R 73676 | 18.20 | 38 R 73684 | 38 F 77974 | 19.30 | 38 R 73700 | 38 R 78097 | 20.40 |
| 0.1 .5 | 38 R 73718 | 38 R 73726 | 18.20 | - | 38 R 77982 | 19.30 | 38 R 73759 | 38 R 78105 | 20,40 |
| 0.5 | 38 R 73817 | 38 R 73825 | 18.20 | 38 R 73833 | 38 R 77990 | 19.30 | - | - | - |
| 0.10 | - | 38 R 73874 | 18.20 | 38 R 73882 | 38 R 78006 | 19.30 |  | 38 R 78121 | 20.40 |
| 0.25 | 38 R 73965 | 38 R 73973 | 18.20 | 38 R 73981 | - | 19.30 | 38 R 74013 | 38 R 78139 | 20.40 |
| 0.50 | 38 R 74021 | 38 R 74039 | 18.20 | 38 R 74047 | 38 R 78022 | 19.30 | 38 R 74062 | - | 20.40 |
| 0.100 | 38 R 74120 | 38 R 74138 | 18.20 | 38 R 74146 | 38 R 78030 | 19.30 | -7 |  |  |
| 0.200 | - |  |  | - | 38 R 78048 | 19.30 | 36 R 74260 |  | 20.40 |
| 0.300 |  | 38 R 74336 | 18.20 | - | 38 R 78055 | 19.30 | 38 R 74369 | 38 R 78170 | 20.40 |
| 0.500 |  |  | -10 | - | 38 R 78063 | 19.30 | 38 R 74468 | 38 R 78188 | 20.40 |
| 0.750 | 38 R 74476 |  | 18.20 |  |  |  |  |  |  |
| 0-1000 | 38 R 74526 | - | 18.20 | 38 R 74542 | 38 R 78089 | 19.30 |  |  |  |

## DC VOLTMETERS

1000 Ohms Per Voit

| Range | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0.1 | 227 T | 38 R 75093 | 19.90 |
| 0.3 | 221 T | 38 R 75135 | 19.90 |
| 0-3 | 420 | 38 R 75176 | 20.10 |
| 0.5 | 420 | 38 R 75226 | 20.10 |
| 0-10 | 327 | 38 R 75267 | 21.00 |
| 0-15 | 327 | 38 R 75317 | 21.00 |
| 0.15 | 420 | 38 R 75325 | 22.10 |
| 0.25 | 221 T | 38 R 75333 | 19.90 |
| 0.25 | 321 T | 38 R 75358 | 21.00 |
| 0-25 | 420 | 38 R 75374 | 22.10 |
| 0.50 | 2275 | 38 R 75390 | 19.90 |
| $0-50$ | 420G | 38 R 78253 | 22.10 |
| 0-100 | 3217 | 38 R 75457 | 21.00 |
| 0.150 | 321 T | 38 R 75507 | 21.00 |
| - 0 -500 $\ddagger$ | 2275 | 38 R 75697 | 21.00 |

thas external Résistor
OC AMMETERS

| Hange | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0-1 | 420G | 38 R 77875 | 21.00 |
| $0-3$ | 3217 | 38 R 74641 | 19.90 |
| 0.5 | 320G | 38 R 77883 | 19.90 |
| 0.10 | 2217 | 38 R 74724 | 18.80 |
| 0-10 | 2271 | 38 R 74732 | 18.80 |
| $0-10$ | 420 | 38 R 74765 | 21.00 |
| 0.15 | 2217 | 38 R 74773 | 18.80 |
| 0.15 | 3217 | 38 R 74799 | 19.90 |
| 0-15 | 327T | 38 R 74807 | 19.90 |
| 0.25 | 420 | 38 R 74864 | 21.00 |
| $0-50$ | 327 T | 38 R 74955 | 19.90 |
| 0.50 | 420 | 38 R 74963 | 19.90 |
| $0-50$ | 420G | 38 R 77917 | 21.00 |



JBT MODEL 38-EXW-5 ELAPSED TIME METER
Records operating time of AC equipment. Registers In 1/10th hour steps to $9,999.9$ hours, then automatically resets. Flange $31 / 2^{\prime \prime}$. mounts in 21 '10" hole, overall depth $3 \mathrm{Y} \mathrm{m}^{\prime \prime}$. for $110-120 \mathrm{~V}$., 60 Hz , AC. shpg. wt., 110.

38 R 67058

## AC VOLTMETERS

| Range | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0-150 | 2315 | 38 R 77487 | 18.80 |
| 0-150 | 2375 | 38 R 77495 | 18.80 |
| 0.150 | 330 G | 38 R 77925 | 19.90 |
| 0.150 | 3315 | 38 R 77503 | 19.90 |
| 0-150 | 3375 | 38 R 77511 | 19.90 |
| $0-150$ | 430 | 38 R 77529 | 21.00 |
| 0.150 | 430G | 38 R 77933 | 21.00 |
| 0-250 | 430 | 38 R 77578 | 21.00 |
| 0-300 | 430G | 38 R 77941 | 21.00 |
|  | AC AMMETERS |  |  |
| Range | Model | Stash No. | Eash |
| 0.1 | 2375 | 38 R 76604 | 17.60 |
| 0.1 | 430 | 38 R 76638 | 19.90 |
| $0-2$ | 337\$ | 38 R 76679 | 18.80 |
| 0.3 | 430 | 38 R 76737 | 19.90 |
| 0.5 | 2375 | 38 R 76752 | 17.60 |
| 0.10 | 430 | 38 R 76836 | 19.90 |
| 0-15 | 3375 | 38 R 76877 | 18.80 |
| 0.15 | 430 | 38 R 76885 | 19.90 |
| $0-25$ | 2315 | 38 R 76893 | 17.60 |
| 0-25 | 337 S | 38 R 76927 | 18.80 |
| 0-25 | 430 | 38 R 76935 | 19.90 |
| 0.25 | 430G | 38 R 77958 | 18.80 |
| 0-30 | 2315 | 38 R 76943 | 17.60 |
| 0-50 | 430G | 38 R 77966 | 18.80 |
| 0-50 | 430 | 38 R 77040 | 19.90 |

OC MILLIVOLTMETERS

| Range | Model | Slock No. | Each |
| :--- | :--- | :--- | ---: |
| $0-50$ | $227 T$ | 38 R 76059 | 18.80 |
| 0.100 | 420 | 38 R 76133 | 21.00 |
| $0-150$ | 420 | $38 R 76182$ | 21.00 |

JBT AC FREQUENCY METERS
Vibrating reed meters for measuring frequency of AC power sources in l-cycle steps! $\pm 0.3 \%$ at $77^{\circ}$ F. Flange $312^{\prime \prime}$, mounts in 214o" hole, overall depth $3 \mathrm{~K}^{\prime \prime}$. For $100-130$ volts. Shpg. wt., $11 / 2 \mathrm{lds}$.
Model 34-FX . 56 -64 Hz
38 R 67025

Amprobe Voltprobes

(A) VT 100 AC/DC Probe

For easy voltage readings anywhere anytime. Fits into shirt pocket. "Thermometer Style" illuminated window indicates voltage level, AC or DC. Operates over a wide $25-800$ cycle range. Compact unit incorporates a sliding push-up probe and a retractable probe with expanding coll cord attached that permits measurements of points over 3 feet apart. Voltage Levels: AC 115-220-277.440-550 Volts, DC $115 \cdot 220-400-600-750$ volts. DC Polarity Indicator. Size: $6 \times 21 / 4 \times$ $3 / 4^{\text {" }}$ with probes refracted.
38 R 13136 Shpg. wt.. $1 / 2 \mathrm{lb}$. Net 9.50
(B) VT 124 AC Probe

Same as above but $A C$ voltage levels only. Use for checking $A C$ clicuits including 24 and 48 VAC circuits in CHmate Control Equipment, Switching Systems, Electric Garage boor Operators, tems, Electic Garage and Industrlal Equipment Control. Levels AC: 24-48-115-220-277-440-550 AC. Shpg. Wt. : 802 ..
38 R 93144

# SHURITE PANEL METERS 



GLASS FRONT Type 950
CLEAR PLAStIC Type 850 OC VOLIMETERS

| Range | Type 950 | Net <br> Each |  | pe 850 | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 0－1 | 38 R 60640 | 3.45 |  |  |  |
| 0.3 | 38 R 60657 | 3.45 | 38 R | R 61499 | 3. |
| 3－0．3 | 38 R 60665 | 3.45 |  |  |  |
| 0.5 | 36 R 60673 | 3.45 | 38 R | R 81507 | 3. |
| 0－6 | 38 R 60681 | 3.45 |  |  |  |
| 0－8 | 38 R 60699 | 3.45 |  | 61515 | 55 |
| 0.10 | 38 R 60707 | 3.45 |  | R 61523 | 3.55 |
| $0 \cdot 15$ | 38 R 60715 | 3.45 |  | R 61531 | 3.55 |
| 0.20 | 38 R 60723 | 3.45 |  | R 61549 | 3.55 |
| 0－25 | 38 ¢ 60731 | 3.65 |  | R 61556 | 3.75 |
| 0．25 H | 38 R 60285 | 3.90 |  | R 51564 | 4.00 |
| 0.50 | 38 R 60293 | 3.55 |  | Q 61572 | 3.65 |
| 0.50 H | 38 R 60301 | 4.15 |  | R 61580 | 8.25 |
| 0.75 | 38 R 60319 | 3.65 |  |  |  |
| 0.100 | 38 R 60327 | 3.65 |  |  |  |
| $0 \cdot 100 \mathrm{H}$ | 38 R 60335 | 4.15 |  |  |  |
| $0-150$ | 38 R 60343 | 3.45 |  | R 51598 | 3.95 |
| 0.150 H | 38 R 60350 | 4.15 |  | R 61606 | 4.25 |
| 0.300 H | 38 R 60368 | 4.35 | 38 R | R S1614 | 4.45 |
| $0-500 \mathrm{H}$ | 38 R 60376 | 4.50 | 38 | R 51622 | 6 |

## A．C．METEAS TYPE 850

| A．C．VOLTMETERS |  |  | A．C．AMMETERS |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Range | Stock | Net | Range | Stock |  |
| 0.10 | 38 R 59303 | 4.95 | 0－1 | 38 R 59238 | 4.85 |
| 0.15 | 38 R 59311 | 4.95 | 0.3 | 38 R 59245 | 4.85 |
| 0.25 | 30R 59329 | 4.95 | 0.5 |  | 4.85 |
| 0.50 | 38 R 59337 | 4.95 | 0－10 | 38 R 59261 | 4.85 |
| 0.150 | 38 R 59345 | 5.15 | 0.15 | 38月59279 | 4.85 |
| 0－300 | 59352 | － | 0－30 | 38 R 59287 |  |
|  |  |  | 0.50 | 38 ¢ 59295 | 20 |

## A．C．MILLIAMMETERS TYPE 850

Range Stock No．Net Range Stock No．Net $\begin{array}{llllllll}0.10 & 38 & \text { R } 59170 & 5.05 & 0.10038 R & 59204 & 5.05\end{array}$ 0.50 38 R $591965.05 \quad 0.50038$ R $59220 \quad 5.05$

Economy model panel meters with fast response，excellent torque－ to－weight ratio，long scales，and accuracy well with in standard 5\％．All have zero adjust．AC are double－vane repulsion type with jeweled bearings．OC are polarized－vane solenoid type or moving magnet constructlon．Require a 2 有z hole．＂ H ＂indicates himh re－ sistance．Model 850：Attractive plastic meters with $213 / 2{ }_{2} \mathbf{W} 2$ Kss $^{\text {＂}} \mathrm{H}$ －Crystal polystyrene front for exceptional visibility and pro． tection．Frosted finish interior．Model 950：Sturdy metal case， glass front meters．Flange－mounted．Average shig．wt．， 6 oz

| Range | Type 950 | Each Het | Type 850 | Net Each |
| :---: | :---: | :---: | :---: | :---: |
| 0.1 |  |  | 38 R 600067 | 70 |
| 0.3 | 38 R 60822 | 3.90 | 38 R 60095 | 4.00 |
| 0.5 | 38 R 60848 | 3.60 | 38 R 60111 | 3.70 |
| 0.10 | 38 R 60855 | 3.45 | 38 R 60129 | 3.55 |
| 0－15 | 38 R 60863 | 3.45 | 38 R 60137 | 5 |
| 0.25 | 38 R 60871 | 3.45 | 38 R 60145 |  |
| 0.50 | 38 R 60889 | 3.45 | 38 R 60152 | 3.55 |
| 0.100 | 38 R 60897 | 3.45 | 38 R 60150 | 3.55 |
| 0.150 | 38 R 60905 | 3.45 | 38 R 60138 | 3.55 |
| 0.200 | 38 R60913 | 3.45 | 38 R 60136 | 3.55 |
| 0－300 | 38 R 60921 | 3.45 | 38 R 60194 | 3.55 |
| $0 \cdot 400$ | 38 R 60939 | 3.45 | 38 R 60202 | 3.55 |
| 0－500 | 38 R 60947 | 3.45 | 38 R 60210 | 3.55 |


| Range | Type 950 | Net Each | Type ${ }^{\text {a }}$ \％ | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 0.1 | 38 \％ 60954 | 3.45 | 38 R 60228 | 3.55 |
| 0－3 | 38 R 60962 | 3.45 | 38 R 60236 | 3.55 |
| 0.5 | 38 R 60517 | 3.45 | 38 R 60244 | 3.55 |
| 0－8 | 38 R 60525 | 3.45 |  |  |
| 0－10 | 38 R 60533 | 3.45 | 38 R 60251 | 3.55 |
| 0－15 | 38 R 60541 | 3.45 | 38 R 60269 | 3.55 |
| 0.25 | 38 R 60558 | 3.85 | 38 R 60277 | 3.95 |
| $0-50$ | 38 R 60566 | 3.85 | 38 R 61440 | 3.95 |
| 5－0．5 | 38 R 60582 | 3.55 |  |  |
| 6．0．6 | 38 R 60590 | 3.55 |  |  |
| 10－0．10 | 38 R 60608 | 3.85 | 38 \％ 61457 | 3.95 |
| 20－0－20 | 38 R 60616 | 3.85 | 38 R 61465 | 3.95 |
| 30－0．30 | 38 R 60624 | 3.85 | 38 R 61473 | 3.95 |
| 50．0．50 | 38 R 60632 | 4.05 | 38 R 61481 | 4.15 |

## RESISTANCE METERS

## 10,000

ohms
38 R $60392 \quad 3.85 \quad 38$ R $61630 \quad 3.95$
$0.500 \quad 38$ R $61671 \quad 5.05$ 38R 616395.15

## SHURITE BATTERY TESTERS

Pocket testers with bright plated cases，met－ al dials，and pruds．Stur－ dily bultt．Test batteries without load．Ideal for testing batteries used in transistor circuits， model railroads，hearing aids，portable radios， etc．Shpg．wt．， 60 oz

| TYPE |  | RANGE | NET |
| :---: | :---: | :---: | :---: |
| 38 259709 |  | 0.5 | 3.60 |
| 38 R 59717 |  | 0.7 | 3.80 |
| 38 R 59725 |  | $0 \cdot 50$ | 4.35 |
| 38 R 59733 |  | 0－2－50 | 4.95 |
| 38 R 59774 |  | 0－2－150 | 4.95 |
|  | DC | AMMETE |  |
| 38 R 59782 |  | 0.3 | 3.80 |
| 38 R 59790 |  | 0.15 | 3.80 |
| 38 R 59808 |  | 0－40 | 4.05 |

HEARING AID BATTERY TESTER Ideal for checking $1.5,15,22.5,30,33$ ，and 45 volt batteries．

## Net 4.95 <br> AC DC <br> LINE VOLTAGE TESTER

Type 5406 ．LT．Sturdy，pocket sized tester has．a range of 0.150 volts， $\mathrm{AC} / \mathrm{OC}$ ．Plug into any wall outlet and read the voltage， then plug in the appliance（s）and note the new reading．Find（and demonstrate）voltage drop or inadequate wiring as a source of service problems．Shpg．wt．， 6 or． 38 R 61697

## EMICO PANEL METERS

| Stock No． | Hange | Net | Stock No． | Range | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 38 R 31773 | 0.10 | 3.30 | 33 R 32037 | 0.3 | 3.30 |
| 38 R 31781 | 0.15 | 3.30 | 33 R 32045 | $0 \cdot 10$ | 3.30 |
| 38 R 31799 | 0.30 | 3.30 | 38 R 32052 | 0.15 | 3.30 |
| AC VOLTMETERS |  |  | 35 R 32060 | 0.20 0.20 | 3.30 |
|  |  |  | 38 R 32078 | 0.30 | 3.30 |
| 38 R 31542 38 R 31559 | 0.150 0.300 | 5.05 5.35 | 33 R 32086 | 0.50 | 3.30 |
| AC MILL | AMMET | RS | AC AMMETER |  |  |
| 38 R 32227 | 0－500 | 4.50 | 38 R 32185 | 0.5 | 4.50 |


| DC MILLIAMMETERS |  |  |
| :---: | :---: | :---: |
| Steck Mo． | Aange | Net |
| 38 R 31377 | 0.1 | 4.40 |
| 38 R 31385 | 0.5 | 3.55 |
| 38 R 31393 | 0.10 | 3.40 |
| 38 R 31401 | 0－20 | 3.30 |
| 38 R 31419 | 0－30 | 3.30 |
| 38 R 31427 | 0.50 | 3.30 |
| 38 R 31435 | 0.100 | 3.30 |
| 36 R 31443 | 0.150 | 3.30 |
| 38 R 31450 | 0.200 | 3.30 |
| 38 R 31468 | 0.300 | 3.30 |
| 38 R 31476 | 0－500 | 3.30 |

## $0110100^{-S N A P-A R O U N D " ~ C L A M P . O N ~}$ AC VOLT AMMETERS WITH ROTARY SCALE

All models pre－calibrated and accurate within $5 \%$ ． Styled to enhance ap－ Dearance of electrical equipment．Meter movements：DC meters－ ＂HI－TORK＂magnetic and AC meters mov－ ing iron type．Model 13． $1 / 4 \times 1 K_{6} \times 21 / e^{\prime \prime}$ all olastic design．Screw termina！s with solder－ ing lugs．Supplied with all mounting hard－ ware．Avg．shpg．wt．， 40 oz.

AMPROEE RS． 1
Meter measures：AC AMPS：0－6－15－40－100，AC．Volts 0－150－600． Measures up to $11 / 0^{"}$ dia．conductors，to $1 \%{ }^{*} \times 1 / 2^{\omega}$ bars．
 38 R 13011 No Money Down＊

Net 46.85
AMPRO日E RS－2
Same as model RS－1 except has $0-150-300$ volts AC range． 38 R 13029 No Money Oown＊

Net 46.85
AMPROBE DELUXE RS－3
Extra versatile probe also includes $0-2000$ ohm range， 25 ohms mid－scale．AC Volts ranges $0-150-300-600, A C$ Amps $0-6-15-40$ ． $100-300$ ．Includes case，ohmmeter，battery attachment and volt－ meter leads．
38 R 13037 No Money Down＊ AMPROBE IUNIORS
Lighter duty，smaller versions of standard Amprobes．Will mea－ sure up to $\psi^{\prime \prime \prime}$ dia．Conductors $43 / 4^{\prime \prime}$ long， $133^{\prime \prime}$ 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．， $1 / 4 \mathrm{lb}$ ．

| STOCK NA． | MODEL | AC AMPS | AC VOLTS | NET PRICE |
| :---: | :---: | :---: | :---: | :---: |
| 30 R 13052 | V25 | 0.25 | 0．125－250 | 25.85 |
| 38 R 13094 | Y550 | 0.50 | 0－150－600 | 25．85 |
| 38 R 13102 | Y500 | 0－100 | 0．150．600 | 25.85 |

Model P1－Carrying Case for Amprobe Juniors，Wt． $1 / 4 \mathrm{lb}$ ． 38 R 13126 ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 30

Amprobe meters measure $A C$ current and $A C$ voltage without breaking the circuit．To measure current，snap the trigger－oper－ ated jaws around single conductor．Meter instantly indicates correct reading．Use furnished safety leads for voltage measure－ ments，Rotary scale shows only scale in use．Accurate to $\pm 3 \%$ ． Designed for 60 cycle circuits．Have impact－prool cases，unbreak－ able plastic magnitying meter window，sell－shielded reter move－ ment．Complete with carrying case and voltage test leads．Shag． wt．， $13 / 4$ los．

## LAFAYETTE Panel Meters

## MINIATURE FM \& AM TUNING METERS

- Moving Coil Principle - Highly Sensitive - Only 3/4"


## Square and

 1" Deep

Can be easily installed on any tuner. The remarkable sensitivity enables you to tune in stations with surprising ease. Galvanometer movement of the indicator assures complete accuracy. Insulation resistance between case and terminals: 100 megohms/ 500 V. Solder lugs are provided at the back. Plastic case. Complete with instruction sheets. Shpg. wt., 2 oz.

## FM TUNING METER

FM TUNING METER. Can be connected between radio detector and AF amplifier. The Indicator will rest in the center when sta. tion is tuned in. Current sensitivity $\pm 100$ microamps on both sides DC. Internal resistance about 1200 ohms. Imported.
99 R 50262
Net 2.99
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. Sensitivity $500 \mu \mathrm{a}$. on full scale. int. resistance about 410 ohms. Imported
99 R 50254
Net 2.99

## LAFAYETTE MINIATURE LEVEL METER

- Highly Sensitive
- Front Panel Area Only $7 / 8 W x / 80_{6}{ }^{\circ} \mathrm{H}$
- 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 $1 K_{0}$ "OxIWxI"L. Internal resistance- 260 ohms. Full scale 500 microamps. Shpg. wt., 2 oz. Imported
99 R 50361
Net 2.15
ULTRA-MINIATURE TUNING AND BATTERY METER


ONLY Y/i" IN DIA. $1 / 4^{\prime \prime}$ IN LENGTH
Ultra-miniature meter can be installed easily in a $/$ /" diameter hole. Current sensitivity: $500 \mu \mathrm{a} ; \pm 15 \%$ at full scale. Internal resistance: 500 ohms $\pm 10 \%$. Imported. Shpg. wt., 2 oz.
99 R 50353
Net 2.15

## METER RECTIFIER <br> onty 45



A full wave, economical meter rectifier of exceptionally linear characteristics. Universal electrical replacement for most multimeters, such as Lafayette's miniature V.O.M.s. Single screw mount. Long termimals, Imported. Shpg, wt., 2 oz.
99 R 62077
Net .45

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# You Can Depend On LAFAYETTE ...for Your Complete Satisfaction 

When you buy from Lafayette, you buy with confidence. Lafayette's pledge to you, of "Satisfaction Guaranteed or Money Refunded," is your assurance that we mean what we say. For 50 years we have kept this pledge to you . . . and shall continue to do so in the future.

## LAFAYETTE AAA GUARANTY

LAFAYETTE HIGH FIDELITY SPEAKERS $=5$ YEARS LAFAYETTE HIGH FIDELITY RECEIVERS = 2 YEARS LAFAYETTE HIGH FIDELITY TUNERS $=2$ YEARS LAFAYETTE HIGH FIDELITY AMPLIFIERS $=2$ YEARS
All Lafayette high fidelity components identified as covered by Lafayette's AAA guaranty are guaranteed to be free of defects in material or workmanship from the date of sale for the time period shown above. During that period we will repair (or at our option replace) them without charge for either material or labor. Material must be returned prepaid to us for our inspection. This guaranty does not apply to items which have been subjected to misuse, abuse, alleration, repair without our authorization or used in violation of operating instructions, nor to normal wear and tear. The speaker guaranty does not cover external parts such as cabinets, grille cloth etc. Serial number must not be defaced. Guaranty is not transferrable.

## OTHER GUARANTEES

All merchandise not covered efther by the special guarantees on this page or by other speciffc guarantees in the catalog are covered by a 90 day repair or replacement guarantee (atiour option) against defects in material or workmanship.

## LAFAYETTE AAM GUARANTY

This guaranty covers Lafayette items so indicated in our catalog which contain several integrated sections in a single unit such as compacts and integrated entertainment centers. The time period for each section is as follows:


#### Abstract

SPEAKERS 5 YRS. RECEIVER OR TUNER SECTION 2 YRS. AMPLIFIER SECTION 2 YRS. RECORDER SECTION 3 MOS. CHANGER SECTION 3 MOS.


The terms and conditions of this guaranty are otherwise identical to the AAA Guaranty.

## SATISFACTION GUARANTEEO

If for any reason you are not satisfied with your purchase return it to us within 30 days in the original factory carton and we will exchange it or return your money (less transportation charges). Merchandise returned must be in Rood condition and not soldered or abused no holes drilled or changes made in any other way. This policy does not apply to kits, nor to pre-recorded tape, records, books or merchandise not regularly stocked that has been ordered especially for you.

## HOW TO RETURN MERCHANDISE

## (Merchandise Returned Must be in New Condition)

We want you to be completely satisfied with every item you purehased 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.
2) On the outside of your package marin "First Class Mail Enclosed" (directly below the postage) and add an additional 8c postage. Do not send the letter separately; it will delay our speedy adjustment handling.

Pack the merchandise securely and send to: Customer's Service 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.

## BY EXPRESS OR TRUCK

If your shipment is received dam. aged, oniain a report from your express agent or trucker, and mail to us. Wait until you receive our instructions on how to return.
(NOTE-Merchandise not regularly stocked that has been ordered for you is NOT returnable for refund or exchange).

## IF IT IS NECESSARY TO WRITE US:

Before writing, please compare papers or invoices with merchandise received. You will find explanations on your order papers about how your order has been handled. Sometimes merchandise arrives before or after order papers. Please wait until you have both before writing. If you write. be sure to include all papers concerning the order. Please give names of items, catalog numbers, quantity, color, price, and any special information you think necessary. The more details you give us, the more quickly your adjustment will be made. On Easy Payment orders, be sure to include your EP account number on package and correspondence.

## Fast Direct Air Shipping Service To West Coast

The Following Area will now receive speedy air shipping service. LOS ANGELES. No more than 4 day door to door delivery via United Parcel Service to California. Washington and Oregon.

Parcels utilizing this rapid service must weigh no more than 50 pounds and measure up to 108 inches in combined length and girth. This system applies if the service or rates are to your benefit.

## SHIPMENTS OUTSIDE OF the united states

We ship all over the free world. Allow up to 60 days for delivery. Wpite to our International Sales Division for de. tails.

## SHIPPING AND DELIVERY INFORMATION

## HOW TO ESTIMATE PARCEL POST CHARGES

## PARCEL POST SHIPMENT

Parcel Post 胃ate Chart ltems Keyed "WUX" or "WX" are not shippable Parcel Post (Elample $=18-0182 W \mathrm{X}$ ). Figure Parcel Post Charges only for litems not Peyed WX or WUX. (See REA Express information.)

| WEIGMT <br> l.tb. 8 Wet Earooding | Lecal | $\begin{aligned} & 1 \text { is \& 2nd } \\ & \text { 2one up } \\ & 10150 \mathrm{mi} . \end{aligned}$ | 3rd 2one 150 to 300 mi . | $\begin{aligned} & \text { 4th lone } \\ & 100 \text { to } \\ & 500 \mathrm{ml} \text {. } \end{aligned}$ | $\begin{gathered} \text { Sth Zone } \\ 100 \mathrm{to} \\ 1000 \mathrm{mi} . \end{gathered}$ | bth tene 1000 \%. 1400 ml. | $\begin{aligned} & \text { 7h 2one } \\ & 1400 \text { to. } \\ & 11900 \text { wi. } \end{aligned}$ | Bth Ion: Ovet 1800 mi . |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | \$0.60 | \$0.65 | \$0.70 | \$0.75 | \$0.80 | \$0.90 | \$1.00 | \$1.05 |
| 3 | . 60 | . 75 | . 80 | . 85 | . 95 | 1.10 | 1.20 | 1.35 |
| 4 | . 65 | . 80 | . 85 | . 95 | 1.10 | 1.30 | 1.40 | 1.60 |
| 5 | . 70 | . 85 | . 90 | 1.05 | 1.20 | 1.45 | 1.65 | 1.90 |
| 6 | . 70 | . 95 | 1.00 | 1.15 | 1.35 | 1.60 | 1.85 | 2.10 |
| 7 | . 75 | 1.05 | 1.10 | 1.25 | 1.50 | 1.75 | 2.10 | 2.35 |
| 8 | . 75 | 1.10 | 1.15 | 1.35 | 1.60 | 1.90 | 2.30 | 2.60 |
| 9 | 80 | 1.15 | 1.20 | 1.45 | 1.75 | 2.05 | 2.45 | 2.85 |
| 10 | . 80 | 1.20 | 1.30 | 1.55 | 1.90 | 2.20 | 2.65 | 3.10 |
| 11 | . 80 | 1.25 | 1.35 | 1.60 | 2.00 | 2.30 | 2.85 | 3.35 |
| 12 | . 85 | 1.30 | 1.45 | 1.70 | 2.10 | 2.45 | 3.05 | 3.55 |
| 13 | . 85 | 1.35 | 1.55 | 1.80 | 2.20 | 2.60 | 3.25 | 3.80 |
| 14 | . 90 | 1.40 | 1.60 | 1.90 | 2.35 | 2.75 | 3.45 | 4.00 |
| 15 | . 90 | 1.45 | 1.65 | 2.00 | 2.45 | 2.85 | 3.60 | 4.20 |
| 16 | . 95 | 1.55 | 1.75 | 2.05 | 2.55 | 2.95 | 3.80 | 4.40 |
| 17 | 1.00 | 1.60 | 1.80 | 2.15 | 2.65 | 3.10 | 3.95 | 4.60 |
| 18 | 1.00 | 1.65 | 1.90 | 2.20 | 2.75 | 3.20 | 4.15 | 4.80 |
| 19 | 1.05 | 1.70 | 2.00 | 2.30 | 2.85 | 3.35 | 4.30 | 5.00 |
| 20 | 1.05 | 1.75 | 2.05 | 2.40 | 2.95 | 3.50 | 4.50 | 5.20 |
| For Each | Add | Add | Add | Add | Add | Add | Add | Add |
| Extra lb. | 5 c | 5 c | 5 c | 10c | 10 c | 15c | $15 c$ | 20 c |

Less than 16 02., afl zones allow Bc for first 202. 2 c for each additional oz. Find the weight of your merchandise in the extreme lefthand column of the chart at right. Pay the amount listed for Parcel Post shipment to your zone. A fraction of a pound is charged as a full th. For example, if the weight is 6 Ibs . and 1 oz . to zone 3, postage would be for 7 libs. (1.10). Over 40 lbs. shpo. truck or exp. See below

## AIR PARCEL POST SHIPMENTS

 We will ship your order via Air Parcel Post upon your request. Rates are given in the table, be low. Size and weight limits: 70 lbs . and 100 in . (length plus girth).| lic per ounce, up to 8 ounces |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ZONES 1.28 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1st LB. | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |  |
| For Each | Add | Add | Add | Add | Add | Add |  |
| Extra Lb. | .48 | .50 | .56 | .64 | .72 | .80 |  |



## ABOUT C.O.D. ORDERS (Minimum Order $\$ 10.00,20 \%$ Deposit)

If you order C.O.O., the post office collects a handing FPO's or for special-order merchandise). The extra C.O.D. charge, plus a money order fee, in addition to the regular parcel post charge. (We cannot accept COD's for APO's,

PARCEL POST C.O.D. FEES:
$\$ 10.01$ to $\$ 25.00$
$\$ 25.01$ to $\$ 50.00$
$\$ 50.01$ to $\$ 100.00$
$90 \quad \$ 100.01$ to $\$ 200.00$
1.00
1.10

## MONEY ORDER FEES:

From 10.01 to 50.00
From 50.01 to 100.00

## UNITED PARCEL DELIVERY

United Parcel Service Rate Chart (use if an appears next to Zip Code). Items Keyed "WX" are not shippable UPS. (See REA Express information.)

If your area is serviced by UPS and the service or rates are to your benefit, we will route your order via United Parcel Service. This fast, economical service is available for parcels up to 50 lbs. and 108 inches in length and girth.
any fraction of a pound over the weieht shown takes the wext higher rate

| WEIGNT WOT TO EXCED | ZONE 2 IONE 3 |  | ZONE 4 | 20NE 5 | 20ME 6 | 20NE 7 | 20NE: | WEIGHT NOT 10 EXCEEO | ZONE 2 | TOME 3 | LONE 4 | IONE 5 | 20NE 6 | ZONE 7 | ZONE 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 lb . | \$ . 55 | \$.57 | \$ 60 | \$ . 62 | \$ .65 | \$.68 | \$.72 | 26 lb. | \$1.80 | \$2.32 | \$2.97 | \$3.62 | \$4.40 | \$5.18 | \$ 6.22 |
| 2 to. | . 60 | . 64 | . 69 | . 74 | . 80 | . 86 | . 94 | 27 ib . | 1.85 | 2.39 | 3.07 | 3.74 | 4.55 | 5.36 | 6.44 |
| 3 tb . | . 65 | . 71 | . 79 | . 86 | . 95 | 1.04 | 1.16 | 28 lb . | 1.90 | 2.46 | 3.16 | 3.86 | 4.70 | 5.54 | 6.66 |
| 4 tb . | . 70 | . 78 | . 88 | . 98 | 1.10 | 1.22 | 1.38 | 29 tb . | 1.95 | 2.53 | 3.26 | 3.98 | 4.85 | 5.72 | 6.88 |
| 5 lb. | . 75 | . 85 | . 98 | 1.10 | 1.25 | 1.40 | 1.60 | 30 ib . | 2.00 | 2.60 | 3.35 | 4.10 | 5.00 | 5.90 | 7.10 |
| 6 lb . | . 80 | . 92 | 1.07 | 1.22 | 1.40 | 1.58 | 1.82 | 31 tb . | 2.05 | 2.67 | 3.45 | 4.22 | 5.15 | 6.08 | 7.32 |
| 7 lb . | . 85 | . 99 | 1.17 | 1.34 | 1.55 | 1.76 | 2.04 | 32 lb . | 2.10 | 2.74 | 3.54 | 4.34 | 5.30 | 6.26 | 7.54 |
| 8 lb . | . 90 | 1.06 | 1.26 | 1.46 | 1.70 | 1194 | 2.26 | 33 lb . | 2.15 | 2.81 | 3.64 | 4.46 | 5.45 | 6.44 | 7.76 |
| 9 ib . | . 95 | 1.13 | 1.36 | 1.58 | 1.85 | 2.12 | 2.48 | 34 lb . | 2.20 | 2.88 | 3.73 | 4.58 | 5.60 | 6.62 | 7.98 |
| 10 lb. | 1.00 | 1.20 | 1.45 | 1.70 | 2.00 | 2.30 | 2.70 | 35 tb . | 2.25 | 2.95 | 3.83 | 4.70 | 5.75 | 6.80 | 8.20 |
| 11 lb . | 1.05 | 1.27 | 1.55 | 1.82 | 2.15 | 2.48 | 2.92 | 36 lb . | 2.30 | 3.02 | 3.92 | 4.82 | 5.90 | 6.98 | 8.42 |
| 12 tb . | 1.10 | 1.34 | 1.64 | 1.94 | 2.30 | 2.66 | 3.14 | 37 lb . | 2.35 | 3.09 | 4.02 | 4.94 | 6.05 | 7.16 | 8.64 |
| 13 lb . | 1.15 | 1.41 | 1.74 | 2.06 | 2.45 | 2.84 | 3.36 | 38 tb . | 2.40 | 3.16 | 4.11 | 5.06 | 6.20 | 7.34 | 8.86 |
| 14 lb . | 1.20 | 1.48 | 1.83 | 2.18 | 2.60 | 3.02 | 3.58 | 39 tb . | 2.45 | 3.23 | 4.21 | 5.18 | 6.35 | 7.52 | 9.08 |
| 15 lb . | 1.25 | 1.55 | 1.93 | 2.30 | 2.75 | 3.20 | 3.80 | 40 lb . | 2.50 | 3.30 | 4.30 | 5.30 | 6.50 | 7.70 | 9.30 |
| 16 lb . | 1.30 | 1.62 | 2.02 | 2.42 | 2.90 | 3.38 | 4.02 | 41 lb . | 2.55 | 3.37 | 4.40 | 5.42 | 6.65 | 7.88 | 9.52 |
| 17 lb . | 1.35 | 1.69 | 2.12 | 2.54 | 3.05 | 3.56 | 4.24 | $42 \mathrm{1b}$. | 2.60 | 3.44 | 4.49 | 5.54 | 6.80 | 8.06 | 9.74 |
| 18 lb . | 1.40 | 1.76 | 2.21 | 2.66 | 3.20 | 3.74 | 4.46 | 43 nb . | 2.65 | 3.51 | 4.59 | 5.66 | 6.95 | 8.24 | 9.96 |
| 19 lb . | 1.45 | 1.83 | 2.31 | 2.78 | 3.35 | 3.92 | 4.68 | 44 lb . | 2.70 | 3.58 | 4.68 | 5.78 | 7.10 | 8.42 | 10.18 |
| 20 lb. | 1.50 | 1.90 | 2.40 | 2.90 | 3.50 | 4.10 | 4.90 | 45 lb . | 2.75 | 3.65 | 4.78 | 5.90 | 7.25 | 8.60 | 10.40 |
| 21 lb . | 1.55 | 1.97 | 2.50 | 3.02 | 3.65 | 4.28 | 5.12 | 46 lb . | 2.80 | 3.72 | 4.87 | 6.02 | 7.40 | 8.78 | 10.62 |
| 22 Bb . | 1.60 | 2.04 | 2.59 | 3.14 | 3.80 | 4.46 | 5.34 | 47 tb . | 2.85 | 3.79 | 4.97 | 6.14 | 7.55 | 8.96 | 10.84 |
| 23 lb . | 1.65 | 2.11 | 2.69 | 3.26 | 3.95 | 4.64 | 5.56 | 48 lb . | 2.90 | 3.86 | 5.06 | 6.26 | 7.70 | 9.14 | 11.06 |
| 24 lb . | 1.70 | 2.18 | 2.78 | 3.38 | 4.10 | 4.82 | 5.78 | 49 lb . | 2.95 | 3.93 | 5.16 | 6.38 | 7.85 | 9.32 | 11.28 |
| 25 lb. | 1.75 | 2.25 | 2.88 | 3.50 | 4.25 | 5.00 | 6.00 | 50 lb . | 3.00 | 4.00 | 5.25 | 6.50 | 8.00 | 9.50 | 11.50 |

[^24]
## SHIPPING AND DELIVERY INFORMATION

Use our Order Blank . To assure fast delivery fill in all information requested (Please Print). Always give your Zip Code! We'll send you new order blanks each time you order.

How to figure Shipping Charges . . See ZIP CODE CHART to find your shipping zone. To calculate charges refer to PARCEL POST chart or UPS chart if an asterisk appears next to your zip code. We will ship the most economical or fastest way. Items not shippable by Parcel Post or UPS will be shipped sepatately by Railway Express.

Cash Orders Please remit full amount, including amount you calculate for shipping charges, tax, handling charge or insurance. Do NOT send Currency or Stamps. We refund any excess.

COO Orders. . Ordering by COD is more expensive for you. You pay an extra fee (see COD Chart). For COD orders you must send a $20 \%$ deposit and pay the balance when your package arrives. No COD's under $\$ 10.00$.

Easy Pay Orders ... Indicate on the order black whether a "new" or "add-on" Easy Pay order and fill in all information requested on back of the order blank.

Shipping Weights . . All weights shown in this catalog are as accurate as we can determine. Use these weights and rate charts to determine shipping charges.

## USE YOUR ZIP CODE TO FIND YOUR SHIPPING ZONE OR UPS

This zone chart lists the first three digits (preflx) of the ZIP Codes of the sectional center facility of zodress.
To determine the zone distance to a particular post office, ascertain the ZIP Code of the post office to which the
parcel is addressed. The first three digits of that ZIP Code are included in this chart, to the right thereot the zone. If an (') appears to the left of your zip prefix fefer to UPS chart for charges, otherwise wse Parcel Post chart.

| Iip Code Prefizes | Zone | 2ip Code Prefles | Zone | 21p Cod Prelliaes | Zone | Zip Code Prefizes | Zene | 21p Code Prefizes | 20ne | 21) Code Prefines | Zone | Zip Code Prefires | $20 n$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 006-009 |  | -080-086 | 2 | $\cdot 178.199$ | . 2 | -339 | 6 | - 469 . | 5 | - 577 | 7 | 756.762 | 6 |
| -010-013 | 2 | *087-089 | 2 |  |  | - 350.364 | 5 | -470 | 4 | -580-585 | 6 | 763.770 | 7 |
| -014 | 3 | 050-098 | 1 | -200-218 | 3 | - 365-366 | 6 | - 471.472 | 5 | - $586-589$ | 7 | 773 | 6 |
| -015-018 | 2 | -100-116 | 2 | - 219 | 2 | -367-374 | 5 | - 473 | 4 | 590-593 | 7 | 774-775 | . 7 |
| -019 | 3 | -117-118 | 2 | -220-238 | 3 | - 376 | 4 | -474-479 | 5 | 594-599 | 8 | 776.777 | 6 |
| -020.024 | 2 | -119.127 | 2 | - 239-253 | 4 | -377-386 | 5 | -480-489 | 4 | -600.639 | 5 | 778-797 |  |
| -025-026 | 3 | *128-136 | 3 | -254 | 3 | *387 | 5 | -490-491 | 5 | ${ }^{*} 640 \cdot 648$ | 6 | 798-799 | 8 |
| -027-029 | 2 | -137-139 | 2 | -255-266 | 4 | -388-389 | 5 | -492 | 4 | -650.652 | 5 |  |  |
| -030-033 | 3 | -180.149 | 3 | - 267 . | 3 | - 390-392 | E | -493-499 | 5 | -6.53 | 6 | 800-812 | 7 |
| ${ }^{*} 034$ | 2 | -150-154 | 4 | -268-288 | 4 | - 393 | . 5 |  |  | -654-655 | 5 | $813$ | $8$ |
| -035-043 | 3 | -155 ..... | 3 | - 289 ..... | . 5 | -394-396 | . 6 | -500-503 | 6 | -656.676 | 6 | 814 | 7 |
| -044 | . 4 | - 156 | 4 | -290-293 | . 4 | -397 ..... | - 5 | - 504 ...... | . 5 | -677.679 | . 7 | 815 | 8 |
| -045 . | 3 | -157-159 | 3 | -294 | 5 |  |  | -505 | 6 | - 880.692 | 6 | 816-828 | . 7 |
| -046-049 | 4 | *160-161 | 4 | - 295-297 | . 4 | +400-402 | 5 | -506-507 | 5 | -693 | 7 | $829-874$ | . 8 |
| -050-051 | . 3 | -152-163 | 3 | -298-299 | . 5 | -403-406 | 4 | -508-519 | , 6 | -700.722 | . 6 | 875-877 | 7 |
| -052-053 | 2 | -154-165 | 4 |  |  | -407-409 | 5 | - 520.539 | 5 | -723.724 | 5 | 878.880 | 8 |
| -054-059 | 3 | -156.169 | 3 | - $300-324$ | 5 | -410-419 | . 4 | -540 ... | 6 | -725-738 | 6 | 881-884 |  |
| -060-067 | . 2 | -170-171 | 2 | -325 .... | ... 6 | -420-427 | . 5 | -541-549 | . 5 | -739 - | . 7 | $890-898$ | 8 |
| -068-077 | . 2 | -172-174 | $\ldots$ | -326-329 | .... 5 | - $430 \cdot 458$ | .. 4 | - 550.554 | . 6 | -740.749 | . 6 |  |  |
| -078 | 2 | . 175176 | 2 | -330-334 | 6 | -460-466 | 5 | - 556.559 | 5 | 750.754 |  |  |  |
| -079 | 2 | - 177 | . 3 | -335-338 | 5 | - 467.468 | 4 | - 560.576 | 6 | 755 ..... | *. 6 | 900.999 | 8 |

## REA EXPRESS INFORMATION

Items not shippable Parcel Post or UPS are sent Railway Express. The Letters WX or WUX identify these items. DO NOT SEND MONEY for express charges with your order. Express charges are collected upon delivery at no extra cost to you. Insurance is included in your express rates. Be sure to specity your nearest Express Office if there is no agent in your town.

## APPROXIMATE REA EXPRESS CHARGES

| Zone | Local | 122 | 3 | 4 | 5 | 6 | 7 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pounds |  | $\begin{gathered} 0- \\ 150 \\ \text { milles } \end{gathered}$ | $\begin{aligned} & 151 . \\ & 300 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 301- \\ & 600 \\ & \text { wiles } \end{aligned}$ | $\begin{aligned} & 601 \text {. } \\ & 1000 \\ & \text { miles } \end{aligned}$ | $\begin{aligned} & 1001 . \\ & 1400 \\ & \text { NHES } \end{aligned}$ | $\begin{aligned} & 1401 . \\ & 1800 \\ & \text { miles } \end{aligned}$ | $\begin{aligned} & 1801 \\ & \text { \& over } \\ & \text { Miles } \end{aligned}$ |
| $1-25$ \$ | \$8.30 | \$ 9.20 | \$10.50 | \$11.50 | \$12.80 | \$14.10 | \$15.50 | \$18.40 |
| 26-50 | 8.90 | 10.30 | 12.10 | 13.70 | 15.60 | 17.70 | 19.60 | 24.10 |
| 51-75 | 9.50 | 11.40 | 13.90 | 16.00 | 18.40 | 21.20 | 23.80 | 29.90 |
| 76-100 | 10.10 | 12.40 | 15.50 | 18.10 | 21.10 | 24.60 | 27.90 | 35.30 |
| over 100 lbs Add per lb. | s. 10 c | .12c | .15c | .18- | .21c | .24c | .38c | .35c |

## TERMS:

The prices listed in our catalog are net. All trade and cash discounts have already been deducteds

All Prices are net, F.O.8. shipping point. PRICES, SPECIFICATIONS AND CONDITIONS OF SALE ARE SUBIECT TO CHANGE WITHOUT NOTICE.

Parcel post \& UPS charges should be included with fully paid orders. We refund any not used.

## EXPORT ORDERS

Minimum acceptable order $\$ 10.00$ in U.S. Currency. All prices are net F.O.B. our warehouse and subject to change without notice. Allow $20 \%$ over merchandise value for shipping costs. Overpayments are promptly refunded.

Parcel Post to AP0 and FPO Addresses are considered Domestic Mailings. Use Zone 1 \& 2 Rates for New York, Zone 8 for San Francisco \& Seattle.
C.O.D. orders are not acceptable out side continental Limits of the United States. Each order must be accompanied by payment in Cash or U.S. Dollar Dratt Payable at a U.S. Bank. Foreign Currencies are not acceptable.
We Reserve the right to Route order by the best method where order does not indicate routing or when method suggested is impractical or not possible. Enclose import license and/or consular Declaration where so required by your Government.

Please do not send currency or stamps.

# Closed Circuit TV, INTERCOMS and PAGING Systems 

## Deluxe Solid State Closed Circuit Television Camera

 $199^{95}$ no money oom" For Surveillance

- Use With Any Home TV Set or Commercial Monitor
- Switchable Output Signals, Composite Video; up to 2.2 v P-P at 75 ohms, RF Modulated: 50 mv
- Automatic Eye
- Provision For Intercom Permits Simultaneous Sound with RF Video Signal

For Sales Promotion For Security

High quality, moderately priced CCTV camera that has unlimited my at 75 onms; Scanning frequencies: Horizontal- 15.750 kHz Verapplications in industry, business, education, Institutlons, and the tical-50.60 Hz synchronized to power line. Horizontal resolutions home. Easy to install all cables supplled are terminated with con-more than 400 lines at center.fvertical resolution; more than 280 necting plugs and leads. Simple to operate-can be used with either lines at center. Camera comes complete with $25 \mathrm{mmf} / 1.8$ lens with a commercial video monitor or any standard television set. Solld adjustable Iris, C-mount, lens cap, vidicon cap, 32 ft . 75 ohm twin state circuitry-power consumed ts very low. Provides cool and de. lead. 75:300 ohm line transformer and instruction manual. For pendable operation. Lightweight, compact size permits incon. $105-125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Size; (less lens) $61 / 4 \mathrm{H} \times 31 / 4 \mathrm{~W} \times 10 \mathrm{l}$ " D . spicuous mounting. Once focused, the camera needs no further 44 R $08019 w \mathrm{Imported}$. Shpg. wt., 9 Ibs........... Net ig9.95 attention. Automatic Eye (through the lens light control). Provisions Heavy Duty Tripod for CCTV Camera. Shpg. Wt., for hooking up an intercom for intercommunication between CCTV 15 R 68021 camera and television recelver location. Specifications: Composite $\ddagger$ Based on video output: 1.4 V P-P to 2.2 V P-P; RF modulated: more than 50 at center.

## LAFAYETTE 7735A VIDICON TUBE FOR CLOSED CIRCUIT TV CAMERAS

A small $1^{-}$diameter camera tube for tefevising live scenes In many Industrial closed circult TV systems. Its high sensitivity produces high quallty pictures under normal room or industrial area lighting conditions. Has 600 to 900 line resolution. Size: $61 / 4{ }^{* 1}$ I $1^{\text {" }} \mathrm{dla}$. Imported. Shpg. wt., 5 oz.
99 R 36022 L
Net 49.95

Net 12.95 $x$ Illumination Widely Used in Concord, Panasonic, Unimetric and Other CCTV Cameras

## 'PAGE ALL' 5 WATT PAGING/PHONE SYSTEM



- For Offices, Stores, Supermarkets, Warehouses, Restaurants: Where the Key Person You Want is On The Go!
- Localized Paging Eliminates 'Blasting' Over a PA System
- Wide Area Coverage--20 Station Capacity
Any one of the PT-7 phones in the 'Page-All' system can initlate a page call. This call is heard through a built-In speaker at every phone In the system. Called party picks up nearest phone and is immedi. ately in direct contact with caller, automaticalty cutting off page. "Page-all" is common talking system, therefore, anyone can join in existing conversation by plcking up any handset. Mo one can page through the system while a conversation is proceeding. Up to 20 stations may be installed in the system. In the event that it is required to extend the page call through large and noisy areas for which the sound from the phones is inadequate, a higher power PA ampilfier may be added to the system. The paged call is then heard over the loudspeakers of the PA system In addition to the phone speakers. Sultable for desk or wall use. High impact styrene. Size: $91 / \mathrm{x} 3 \mathrm{x} 3 \mathrm{~V} \mathbf{2}^{\prime \prime}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL. Iisted. Cable required: a 6 conductor cable regardless of the number of phones in the system. MODER PI.7. Paring Telephone Unit. Shpg. wt. 3 Ibs.
44 R 30336
Each Net 27.00 MODEL APS.5. Ampiffier and Power Supply. One rea'd. Shpg. wt., 6
44 R 30344 No Money Down*
Net 58.50
Telephone Unit Only $27^{00}$

SECURITY INTERCOMS AND VIEWERS

PROTECTO-COM SOLID STATE DOOR ANSWERING INTERCOM SYSTEM ncludes:

1 Master Amplifier Control Station
1 Door Station
116 Volt Transformer
50 ft . of 2 Conductor Cable

2795 All Hardware Necessary For Installation Complete System

- Provides Protection-Identify Callers Without Opening Doors
A complete door answering intercom system designed for instaflation in new or existing homes. Easy-to-use "talk-listen" switch on master. Protects residents from unwanted callers. Inexpensive and easily Installed. Comes complete with Master station, door station, transformer, 50 ft . of 2 -conductor cable, and all hardware necessary for Installation. Shpg. wt., 4 lbs.
44 R 37059
32 R 30521 Extra 100 ft cail of wire. Wt. $1 / 2 \mathrm{lb}$.
Net 27.95
ONE WAY DOOR VIEWER
Permits thru-the-door identification without being observed. One way viewing only--you can look out, no one can see in. Provides wide-angle vlew-you can see anyone starding or crouching even at the side of the door- Installs quickly with a simple hand drili. Requires $1 / 2^{-}$in diameter. Length adjusis to fit any standard door thickness up to $13 / 4^{\prime \prime}$ thick. Cannot be removed from the outside. Rust-proof. Zinc die cast. Wt., 4 oz . 14 R 65020
$99^{\text {c }}$


## Electronic Burglar, Warning Systems



Economical indoor alarm system. Consists of exciter lamp unit and matzhing electronic relay, in attractive hammerloid cases. Exciter unit has 2 prefocused $f 6$ lenses for maximum Might dispersion, infra-red filter to furnish invisible beam. | Relay unit has toggle swifch choice of momentary or continuous alarm operation, outside light rejector, sensitivity control. Biflt-in 6 V . A.C. power supply permits use of external elec. trical alarms. Ranges: white light $50^{\circ}$, in. visible light $35^{\circ}$. Size each unit $5 \times 5 \times 512^{\prime \prime}$. For $110-120$ V. 50-60 cycle AC. Total shpg. wt., $121 / 4 \mathrm{lbs}$.
12 R 88042 No Money Down ${ }^{\circ}$... Net 101.88

## WORNER ELECTRONIC RECEPTIONIST



No Money Down *
MODEL. 61 ANNOUNCER. COISIStS of "Foto. electric" unit, chime and mirkor. Chlme rings when light beam is intercepted. Unit has exciter lamp which projects beam across passage, and photocell which receives re. flected beam from mirror; may be placed up to $10^{\prime}$ from mirror. $81 / a \times 61 / 2123 / 4$ ". For 110 . 120 V. 50-60 cycle A.C. Shpg. wt., $83 / 4 \mathrm{lbs}$. 12 R 88018

Net 61.86
WORNER MODEL 5150 ELECTRONIC BURGLAR ALARM


Indoor detection system. Infra-red beam operates amplifiet up to 150 ft . Removable red filter. Both units have on-off switch. amplifier relay unit features sensitivity control, extraneous light shieldieg and lock. Only keyholder can turn off alarm or reset trap. Steel cases. Ught source $41 / 2 \times 41 / 4 \times 7$ "; amplifier $51 / 8 \times 7 \times 51 / 4{ }^{\prime \prime}$ with sp it door, hinged bottom. For $110 / 120 \mathrm{~V} 50-6 \mathrm{p} \mathrm{Hz}$. Shipg. wt. 13 lbs.
12 R 88059W No Money Down* Net 168.90

## WORNER ACCESSORIES

 60-1130 REPLACEMEMT BULB $6 \mathrm{~V}_{\mathrm{a}}, 32$ CP 2000 hours. For models 61, 4000, and 5150 12 R 8802 s Shpg. wt., 3 os. Net .95 EXTRA CHIME for Models 61 and 4000 and any other 6 VAC power source. Serves as an excellent waming device.12 R 88034 Shpg. wt., $11 / 2 \mathrm{ibs}$. Net 7.41

## LAFAYETTE PHOTO ELECTRONIC RELAY SYSTEM

Includes Photo Cell Receiver Plus Electronically Operated Relay Plus Exciter Lamp - - Efficient 2-Unit, 3-Element Design
$\qquad$


- Complete-Ready to Operate-NOT A KIT!
- Operates Bells, Buzzers and Counters
$19_{A}^{95}$
- The Perfect "Guard" for Homes, Stores and Industry

SET - Removable Infra-Red Filter For "Invisible-Light" Operation

The Lafayette Photo-Electronic Relay is your key to an inexpenslue indoor warning or counting system. Conslsting of a nugged exciter and relay unit and operating on $110-120 \mathrm{~V}$ AC, It can be connected to signal persons entering a room, counting people or merchandise or fenction as an effective alarm system to wam of intruders. Effective up to 48 feet (with. out filter, 18 to 20 feet wlith filter, relay unit has a convenient variable sensitivity control and switch for intermittent alarm operation. Exclter has removable infrared filter. Mounts easily across area to be supervised. Metal case. Size: $4 \mathrm{~L} / 4 \mathrm{~Hz} 3 \mathrm{~W} \times 41 / 2^{\prime \prime} \mathrm{D}$. Imported.
99 R 90821 Shpg. wt., 4 t/2 tos.
99 R 902766 volt 20 Watt Replacement Bulb
Net 19.95

ACCESSORIES FOR ABOVE
99.90235 Electric Bell, 110 V AC. Shpg, wt., 12 oz.

Net 49 ea.

99 (10110 6-Digit Electric Counter. Shpg. wt., 1 ib
Net 2.95
, 0110 6-Digit Electric Counter. Shpg. wt.n 1 ib.

TAPESWITCH MATS_STRIPS

(Fig. A) Tapeswitch Flexible Switch Mats. Less than 5 lbs. pressure activates these mats. Although rated and tested at 1 amp., 117VAC for floor switching. 24 -voits or less is recommended. Only $\bar{x}_{z}{ }^{*}$ thlek; water. resistant durable cavering. Shpr. Wt.: $17 x$ $23^{\prime \prime}$ mat, $11 / 2 \mathrm{lb} . ; 6 \times 23^{\prime \prime}$ mat, $13 / 4 \mathrm{lbs}$. $17 \times 23^{\prime \prime}$ Mat with $6^{\prime}$ Cord.
33 R $\$ 6010$ with 6 Cord.
Net ea. 14.95 $6 \times 23^{\circ}$ Stair Tread mat with $18^{\circ}$ Lead. 33 R 66028

Netea. 6.12 (Fig. B) Tapeswitch Ribbon Switcaes. These "Press at any point" switches can be acti. vated with only 12 oz . of finger pressure. Normally open, momentary contact type with 4* leais. Moisture-proof chrome yellow vinyl cover. Only Ke" thick. Rated 1 amp., 117 VAC of 28 VOC. Shpg. wt.: $2^{\prime}$ length, 7 oz.; 5 1ength, 7 oz.
33 R $660362^{\prime}$ length ${ }^{\prime \prime} \quad$ Net ea. 4.48 33 R $660445^{\prime}$ length Net ea. 8.18 (Fig. C) Cut To Length Switching Runner. $5 . \mathrm{ft}$. long $\times 30^{\circ}$ wide $\times K_{0}{ }^{\prime \prime}$ thick and can be cut to any length. 5 lbs. nominal foot pres sure. Solder or twist connections easily made. Excelfent extended area signaling for conceated indoor abarms and controls. Switching elements on $2 \%{ }^{\circ}$ centers are wired in paraltel and encased in a polyethy. lene envelope. For indoor use only. Install under rug, rubber runner, mat of tile. Wt., $21 / 2 \mathrm{lb} 5$.
33 R 66077
Net 16.75

CHIME ANNUNCIATOR KIT


- Announces Visitors Guards Against Theft
Signals entrance into office, store or shop by ringing chime. Includes concealable-mat $18224 x / 22^{\prime \prime}$ thick, 2 -note chime, transformer, wire and instructions. Shpg. wt., 4 lbs. 33 R 66051

Net 26.95
SECURITY

## TRAVEL LOCK



For salesmen. and travelers whenever a portable lock is needed. Fits doors, cabinets without permanent instaflation or tools. Stainless bar and chrome finish. 14 R 44512 Shpg. Wt., $3 / 4 \mathrm{Ib}$. Net 2.95

Ultrasonic Intrusion Alarms


Protects Your Home or
Business Against Thieves, Prowlers, Vandals

- Easy Plug-In Instalation
$99^{95}$
- 12 Volt Standby Battery Input
- Ulitrasonic Beam Covers an Entire Room
- Turns on Lamps, Rings Bell-Siren

Protects with invisible, Inaudible ultrasonic waves that saturate an elliptical zone up to 30 fL in front of unit, depending on shape and contents of area. No special wiring . . easily concealed and sets up in minutes. Automatically arms itself $15-25 \mathrm{sec}$. after It's turned on to permit you to leave without actuating the alarm. Operational mode includes immediate lights on and beli/siren after $\mathbf{1 0 - 2 0 ~ s e c - ~}$ onds. This feature permits you to re-enter protected area. Lights and bell/siren remain on for $50-75 \mathrm{sec}$. and then the unit automatically resets for full time protection. Control circuit has provisions for use of 12 volt emergency battery in case of power fallure. Controls: range/sensitivity, off/on switch. Operates on 117 VAC, 60 Hz . Size:

12 R 87069 No Money Down*
Net 99.95 12 R 87044 31/2" Bell for above. Shpg. wt., 1 tb. ...... Net 5.95 12 R 87051 Deluxe $6^{\prime \prime}$ Bell for above. WL, $34 / 4$ ibs. Net 22.95
 ULTRASONIC INTRUSION ALARM Protects Your Home or Business Against Intruders and Burglars


- Easy, Plug.In Installation
- Turns On Lamps, Rings Bell-Siren

Will protect doorways, rooms, or any area that an Intruder may enter, Uitrasonlc beam covers an area up to $\mathbf{1 5 - 3 0} \mathrm{ft}$. in front of unit depending on shape of room and contents. When area is entered, lights, bellsiren or both are tumed on to glve a visual and audible alarm. Can be set as a convenience monitor to turn light on when you enter a room; shuts off 3 min. after you leave. Sensitivity/range and position easily set to allow pets to enter. Varlable timer allows alarm to remain on from 8 sec . to 3 min . automatically resets itself for continuous protection. No special wiring necessary; lights or bell-siren plug directly into unit. Handles up to 575 watts; 117 VAC at 5 amps. Alarm system turns on 10 sec . after you activate system to allow you to leave area. Controls: on/off 5 witch, sensitivity and range. Size: $103 \times x 3 y / 431 / 4{ }^{\prime \prime}$. Attractive walnut finish. Requires $110-130$ VAC, 60 Hz . Shpg. wt. 3 tbs. See optional unit below which provides a bullt-in horn and a 20 sec. delay of bellsiren for extra time to enter protected area. See accessory siren below.
12 R 56510 No Money Down*
Net 64.95
12 R 87044 31/2" Bell for above. Shpg. wt., 1 lb. Net 5.95 12 R 87051 Deluxe $6^{\prime \prime}$ Bell for above. Wt., $31 / 4 \mathrm{lbs}$. Net 22.95

## ON-GUARD PROFESSIONAL DOOR BURGLAR ALARM

For: Apartment-Store-Home-Office


## 3495 No Money <br> Down*

Fulty transistorized, baltery operated burglay alarm for the home, apartment, store, and office. Universal mounting fits any door. Pushbutton 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 atarm. Upon closing the door alarm is automatically reset. Slide switch control can be set for instant, or, 20 second delay before alarm sounds. Key operated switch controls on/off and reset functions. Mounts instantly, no wiring required. Constructed of heavygauge, anodized aluminum with neutral sand colored finish. Comes complete with battery and mounting hardware. Size: $4 \sqrt[2]{ } \times 8 \times 3^{\prime \prime}$. Shpg. wt., $4 \mathrm{~V} / 4 \mathrm{lbs}$.

## 14 R 13509

Net 34.95

## DELTA HORN

- Fits All Doors
- No Lock Hole in Door
- No Wiring Necessary

- Combination Horn/Delay

Plugs directly into above intrusion alarm. Provides delay of 20 sec . before bullt-in hom or external bell are activated to allow entering protected area and turning off alarm. Internal horn operates intermittantly ( 10 sec . "on". 5 sec . "off"); external bell operates as long as above alarm is on, With buirt-in AC outlet, line cord and plug. Handles up to 575 watts; 115 VAC at 5 amps. Size: $31 / 4 \times 31 / 4 \times 31 / 4 "$.
12 R 56528 Shpg. wt., 1 Y/4 lbs. Net 24.95

110-VOLT
POLICE TYPE SIREN
$16^{95}$

Provides a sharp penetrating sound which can be heard at a great distance. All rotating parts are precision balanced, extremely durable and may be used outdoors when housed in Siren cabinet below. Siren features: Spun aluminum trumpet with heavy-duty motor and mounting bracket. Ideal for ultrasonic alarm systems above and for use with alarm systems in homes, stores and lactories. For 110 v. $50 / 60$ cycles. 1 amp. Size: $544^{\prime \prime} x$ $8^{\prime \prime} \mathrm{L}$. Shpg. wt., 5 lds.
14 R 13574
Net 16.95

## SIREN CABINET FOR MOUNTING SIREN OUTDOORS

Size: $6 \times 8 \times 104 / 2^{\prime \prime}$. Shpg. wt., 3 lbs.
14 R 13582
Net 4.95


## BURGLAR LOCKALARM

## Automatically locks when unauthorized

 forced entry is attempted, plus emits a plercing sound capable of awaking the entire household. Inconspicuously mounts on doors. and windows in minutes with only a screw. driver. Uses a single penlite AA 1 th volt battery. Complete with mounting hardware. horn, and latch mechanism. Shpg. wt., I lb, 14 R 63504 ......................................... 3.95 99 R 62580 Battery for above Net .10

MALLORY SONALERT ELECTRONIC AUDIBLE SIGNAL DEVICE Solid-state clrcultry, no mechanical wear-no-arching-no RF noise. Small size, lightweight, and low current drain allow them to be used in most circults 'where warning devices are needed. Type SC628P has pulsating tone. Extensively used in lault alarms in computers, fire signals, instruments. appllances, and communications as well as telephone signals and protec. tion equipment. Application possiblities are fimitless. Size: all 1 "Ko" dia, $x$ $.781^{\prime \prime}$ long except, t are $1.38^{\prime \prime}$ long. Installed weght: all $11 / 4$ oz. except $\ddagger$ are 2 oz. All Models manulactured with silicon transistors, allowing operating temperatures of $-40^{\circ}$ to $185^{\circ} \mathrm{F}$. Shpg. wt., 502.

| Stock Mo. - | Type . No . | Operating Voltage | Freq. Hz | $\begin{aligned} & \text { Intensity } \\ & D 8 \end{aligned}$ | Current MA. | $\begin{aligned} & \text { Net } \\ & 1.24 \end{aligned}$ | Each $25-49$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 R 74018 | SC628 | 6-28DC DC | 2800 | 68-80 | 3-14 | 5.50 | 5.40 |
| 12 R 74026 | SC628H | 6-280C | 4500 | 68.80 | 3.14 | 6.35 | 6.25 |
| 12 R 74034 生 | SC628P | 6-280C | 2800 | 68.80 | 3.14 | 9.95 | 9.75 |
| 12 R 74042 \& | SC628A | 6-28AC/DC | 2800 | 68-80 | 3.14 | 8.75 | 8.60 |
| 12R74067f | SC110 | 110 AC | 2800 | 80 | 14 | 8.75 | 8.60 |

# PREVENT TOMORROW'S LOSS BY PROTECTING TODAY 

## EMERSON-RITTENHOUSE PROFESSIONAL INTRUSION SECURITY SYSTEM <br>  <br> $49^{95} \begin{gathered}\text { Money } \\ \text { Downv }\end{gathered}$ <br> - Automatic Intruder Protection

Provides rellable automatic operation that's always alert ... detects an intruder and sounds the alarm at the trip of the sensitive detec. tors. Unit surprises intruder with an alarm that can't be sllenced by closing window or door, Alarm sounds off until manally reset at the controf panel. Features tamperproof detection with "lock-in" automatic alarm, manual alarm switches for push-button signaling, and gold anodized control parel with activation light. off-on control, and alarm reset switch. Panel measures onty $4 \$ / \mathrm{s}$ "x 4 Sta" and mounts In a standard 2 -gang eiectilcal box, Control panel may be concealed in closet, etc. Package includes security control panel, indoor alarm horn, three flush magnetic door/window switches, two manual.alarm pushbuttons, and power transformer. See Accessories Below.
13 R 03504 Shpg. wt., 41/4 Ibs.
Net 49.95

## ACCESSORIES FOR ABOVE SECURITY SYSTEM

OUTSIDE KEY-LOCK CONTFDL. Permits protection whlle owner is away from home. Indicator light illuminates to confirm system Is activated, Mounts on standard single. gang box Tamperproof ... alarm sounds if intruder removes panel. Stainless steel finish, Dimenslons: $41 / 2^{2 " H} 23 \geqslant \mathrm{ZW}$.
13 R 83546 Shpg. Wt., $3 / \mathrm{lb}$. 13 R 83546 Shpg. wt., H lb. Net 24.95 5-Conductor Cable for above control, 40 ft . 13 R 93611 Shpg. wt., 12 oz . Net 3.39
 DUTSIDE BEACON ALARM HORN. Provides warning light and alarm horm in one integral unit. Designed for installation outside of home, Tapered red cylindrical lens. Back plate dimensions: $41 / 2^{\prime \prime} \times 61 / 4^{\prime \prime}$. Mounts on single-gang $34 / 4^{\prime \prime}$ or $4^{\prime \prime}$ outlet box. Extends from wall $434^{\prime \prime}$. Brushed aluminum. 13 R 83579 Shpg. wt., 3 Ibs. Net 21.95 WIRE FOR ABOVE ALARM SYSTEM


18 Gauge Single Conductor Wire For Window and Door Switches. 13 R 83512200 Ft. Roll Shpg. wt., $21 / 2$ lbs. Net 4.25 18 Gauge 2 -Conductor Whre For Indoor Alarm Horn, Beacon Alarm Horn, and Alarm Push Button. Shpg. wt., 3 lbs.
32 R' 36288100 Ft . Coill
Net 2.90

## SECURITY SWITCHES FOR CLOSED CIRCUIT ALARM SYSTEMS


(a) DOORIWINDOW SECURITY SWITCH. FOR flush mounting in door and double hung wooden window frames. Need not be mortised, fits $3 / 4$ " hole.
14 R 13525 Shpg. wt., 4 oz.
Net 1.50
(BAGNETIC DOOR/WINDOW SECURITY SWITCH. FOr use where Luface mounting is necessary.
14 R 13533 Shpg. wt., 4 oz.
Net 1.99
(C) GENERAL PURPOSE WINDOW SECURITY SWITCH, Surface mount Fits all windows. Ideal for sliding windows and screens. 14 R 13541 Shpg. wt., 4 oz.

Net 1.50
GULTON FIRE ALARM

- Always Fully Charged


## $1-95$

Bullt-in 117 vaC charging circuit keeps Internal batteries up to full power. Never needs replacement batterles. Works even in the event of a power failure. Loud continuous alarm sounds when room temperature reaches danger level $\left(126^{\circ}, 40^{\circ}\right)$. Convenient test button allows periodic ehecking of unit, 14 R 14507 Shpg. wt., $3 / 4 \mathrm{lb}$. Net 12.95


## On-Guard professional self-contained solio-state burglar alarm system



## Exit/Entry Switch

Guards windows, doors or other entry points by sounding an extra loud $8^{\prime \prime}$ bell, upon intrusion. Self contained battery, bell, and master circuit are housed in a durable weatherproof grey hammertone box that has a bullt-in tampering protection circult. Clipping wires or opening the outer box, as well as entering the protected windows or doors will sound the alarm. Sound continues untit you turn it off by way of a dust proof hey lock switch. Includes four sets of magnetic switches. Features key switch to permit exit and re-entry without sounding alarm. Panic button, which also operates as a test button, may be used to manually indicate an emergency. Operates on a standard 12 -volt lantern battery, not supplied. Includes instructions, decal, 2 keys, and 100 feet of wire. Shpg, wt., 18 lbs ,
14 R 13558 w No Money Down*
100 -Feet of Additional Wire. Shpg. wt., 3 lbs.
14 R 13566
Net 49.95

12-volt 3 gattery for Above (1 Rea.) Wt., $1 / 4 \mathrm{lb}$.
32 R 47772

## NuTone

 SOLID-STATE INTRUSION ALARM SYSTEMonly $34^{95}$

- Automatic Time Delay Switch Lets You Exit Or Re-Enter Without Setting Off Alarm
- Key-Controlled And Tamper Proof - Battery Test Indicator Light

Electronic Early Warning System against intruders. Use in your home, offlee, or on business premises. Powertul horn blast. Instalts eastly, no special tools required, the system is key controlled; once triggered it cannot be silenced by pulling off switches or cutting wires. Uses inconspicuous switches on doors and windows. Up to fifty additional switches can be attached to the master unit. Complete with one magnetic contact switch set of keys, 30 ft , of wire and Instructions, Requires 3 "D" batteries. Size: $12^{\circ \prime} \times 3333^{\prime \prime} \times 1 \% "$. See additional 5 witches on this page.
14 R 29505 Shpg. wt., 3 lbs.
60 Ft . Addition al Wire. Shpg. wt., 10 Dz .
14 R 29521
Net 34.95
Net 1.95 99 R 63661

Net 2.30


FIRE ALARM

## - No BatteriesMo AC Plug <br> 

Powered by its own self-contained hermetically sealed electronic energizes. Loud plercing siren sounds off for 2 bours or more. No maintenance-requires replace. ment only after activated by fire. Special sensor tip will trigger alarm when temperature reaches $135^{\circ}$ F. Easily installed on walls, doors, or cellings, ivory finksh.

- Tiny and Power 14 R 17500 Shpg. wt., $1 / 2$ Ib... Net 5.95
 ful: Only $2^{\prime \prime}$
$\times 21 / 4^{\prime \prime}$


## The Warld At Your Ginger Tipd!

BRING HISTORY MAKING NEWS INTO YOUR HOME
FROM THE FAMOUS CAPITALS
Of THE WORLD!

## Only <br> 

No Money Down*

## LAFAYETTE Explor-Air Mark V Shortwave + AM Broadcast Receiver

## 5 <br> BANDS

Broadcast +4 Exciting International Shortwave Bands

- 550 to 1600 kHz - 9.45 to 9.8 MHz
- 5.9 to 6.25 MHz - 11.45 to 12 MHz
- 15.05 to 15.5 MHz


## SUPERHETERODYNE- Not Super-Regenerative!

Listen to world.wide exciting current events right in your own home . . . hear the actual broadcasts from the major news centers around the world in English and foreign languages; BBC London, Radio Moscow and many others.
The Explor-Air Mark $V$ receiver is refined in its ability to bring in stations loud and clear and features simplicity of operation. In additlon to the standard AM broadcast frequencles, the receiver is designed to tune the popular international shortwave broadcast bands on 49, 31, 25 and 19 meters (each band occupies a select portion of the full shortwave spectrum) through the use of Individual tuned circuits for each of the five bands. For greater ease of tuning on congested bands each shortwave band has been extended to cover the entire width of the 0 to 100 logging scale.

## ECONOMY SHORT-WAVE PACKAGES WITH EXPLOR-AIR MARK V



Window Antenna

Explor-Air Mark Y plus Shortwave Window Antenna

## NOT A KIT-COMPLETELY WIRED

Operating features on the receiver include a self-contained $4^{\prime \prime}$ dynamic speaker, built-in loopstick antenna, large llluminated slide-rule dial calibrated in frequency and indicating place names, a front panel headphone jack for optional silent listening, controls for Volume OIf/ On, Tone and Band Selection, plus rear panel connection for external shortwave antenna. SPECIFICATIONS: Full coverage on 5-bands; AM Broadcast ( 0.55 to 1.6 MHz ), and International Shortwave on 49 Meter ( 5.9 to $6.25 \mathrm{MHz}^{2}$ ) 31 Meter $(9.45$ to 9.8 MHz ), 25 Meter ( 11.45 to 12 MHz , and on 19 Meter ( 15.05 to $\mathbf{1 5 . 5 M H z}$ ). Recelver is AC Iransformer powered with efficient superheterodyne circultry. Complete with beautfful walnut grained metal cabinet. for $105-125 y ., 50 / 60 \mathrm{~Hz} \mathrm{AC}$ Sire: $14 \mathrm{Wx} 8 \mathrm{D} \times 6^{\circ} \mathrm{H}$. Imported. Shpg. wt., $131 / 2 \mathrm{lbs}$.

## 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 instalations, Consists of one 9 foot aluminum tubular element with universal mounting bracket and feediline. simple to install. Answers the problems of apartment dwelling SWL's, Shpg. wt. 3 lbs. 40 R 31183 W

## HY-GAIN SW-6 SHORTWAVE ANTENNA

 the eaves, In the attic ene rene insulators. $15^{\prime \prime}$ weather-proof rope on each insulator, plus lead in feedine. Shpg. wt., 2 lbs.
40 R 31175
Net 6.95

- See Page 22 for Full Credit Details on Easy Pay Plan



## PRODUCT DETECTOR FOR SSB/CW

# 5 Band AM/CW/SSB Solid-State Amateur And SW Receiver 

- 10 Transistors, 2 FET"s, 7 Diodes, and 1 Zener Diode
- Mechanical Filter for Exceptional Selectivity
- Huge Edge-Illuminated Slide Rule Dial with "S" Meter
- 117-Volts AC and 12 -Vblts DC Negative Ground Operation
- Full $241 / 2$ Inches of Bandspread On $10-80$ Meter Bands
- Automatic Series Gate Noise Limiter With AVC on AM


## 5 BANDS INCLUDE

EAND A: 150 kHz to 400 kHz - BANO B: 550 kHz to 1600 kHz - BANO C: 1.6 MHz to 4.3 MHZ - BANO D: 4.8 MHz to 14.6 MHz : BANO E: 10.5 MHz to 30 MHz

## Only <br> 

No Money Down*

The HA-600A general civerare receiver combines the latest solid state efectronics with sleek, modern appearance to achieve a supert blend of performanose and style. Advanced circuitry utilizes wo 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 limiter and automatic volume control, circuitry provide efficient noise and audio blasting suppression on AM. BuiltIn variable BFO permits clear reception of code and single sideband signals. 455 kHz mechanical filter assures superior selectivity. Recelver's operation virtually undis.
turbed by harmonics or noise from antenna to speaker, Rear panel accessory socket provides convenient connection for audio output, 12 VDC, ground and AVC line, along with receiver muting connections. Huge flywhee operated slide rule dial has easy-toread Illuminated main tuning, logging, and bandspread scates, Electrical bandspread features wide calibration for easier tuning of crowded ham bands. Operates from 117 VAC 60 Hz or 12 VDC (nezative around only) . perfect for emergency use! Im. ported. Shpg. wt., $25 \not / 4$ lbs.
99 R 25991W
Net 99.95
Matching $3 \times 5$-inch speaker in handsome cabinet.
99 R 25397 HE-4AC

## SPECIFICATIONS

Sonsitivity: $1 \mu v$ at 10 db signa to nolse ratio. Setectivity: $\pm 6 \mathrm{KHz}$ at 60 db down, $\pm 2 \mathrm{kHz}$ at 6 db down. In. termedlate Frequency: 455 kHz . BFO Frequency: $455 \mathrm{kHz} \pm 2.5 \mathrm{kHz}$ intenna Impedance: 50 400 ohms. Audio Power Cutput: 3 -watts at 4 orms. Speaker Impedance: 4, 8, and 500 ohms. Headphone Impedance: 8 otms. Recelvine Modes: AM-CW-SSB. Power Requirements: $105-120$ Volts 60 Hz (17 watts max.) 12 Volts DC ( 650 ma . max.). Slse: $15 \mathrm{~W} \times 93 / 4 \mathrm{D} \times 814^{\mathrm{KH}}$.

## Model HE-48C MATCHING AMATEUR SPEAKER

## - Excellent Speaker for Lafayette or Other Receivers Which Require External Speaker <br> - Large $3 \times 5$ Inch Permanent Magnet Speaker <br> A quality $3 x$-inch permanont magnet speaker designed into a handsomely styied cabinet with attractive finish. Provides clean, crisp, and clear audio response-even during singie sideband reception. Made to mate with Lafayette HA-600A and HA-800B or other manu- <br> ONLY $8^{95}$

 facturer's receivers which meed external speaker provisions. Voice coil impedance: 8 ohms.

Net 8.95
99 R 25397

# R LAFAYETTE <br> Amateur Gear <br> 6-80 Meter SSB/AM/CW Solid-State Amateur Receiver 

# Featuring Built-in 12 Volt DC and 117 Volt AC Supplies 

# * 6 Amateur Bands Including 6 Meters * Product Detector for SSB/CW 

* Built-in 100 kHz Crystal Calibrator
$\star$ FET Front End Attenuates Overloads
$\star$ Instantaneous Cool Performance


## MODEL HA-800B, <br> NEW! "on12995

- Varactor Tuning for BFO and Calibrator
- Two 455 kHz Mechanical Filters
- Zener Regulated Power Supply

The Lafayette Model HA-800B solid-state amateur receiver covers the 80 through 6 meter bands with superior reception of CW, AM, and SSB signals. Tuned RF, mixer, and oscillator stages feature FET's for outstanding front-end selectivity and sensitivity with automatic RF overload protection. Product detection plus varactor tuned BFO assure crisp CW and clear sideband copy. Built-in 100 kHz crystal callbrator ensures accurate pre-selection of proper frequencies, (supplled less crystal). Rear panel accessory socket provides convenlent access to audio output, recelver muting line, and 12 -volt DC input. Tape output fack permits direct taping and front panel headphone jack facilities

## 15 TRANSISTORS + 13 DIODES +4 FET's + 1 VARACTOR

- Series Gate Automatic Noise Limiting
- Dual Conversion on all Bands
- Illuminated Calibrated "S" Meter
operation in nolsy areas. Sensitivity: better than $1 \mu \mathrm{~V}$, on $\mathbf{1 0 - 8 0}$ meters, $2.5 \mu \mathrm{v}$. on 6 meters. Selectivity: 60 db down $3 t \pm 6 \mathrm{kHz}$. Power requirements: 117 volts $A C 50 / 60 \mathrm{Mz}$ or 12 volts $D C$. Size: $81 / 4 \mathrm{H} \times 15 \mathrm{~W} \times 93 / \mathrm{N}^{\circ} \mathrm{D}$. Imported. Shpg. wt. 18 lbs.
99 R 26155 WX No Money Down $^{\text {® }}$
Net 129.95
Model HE.48C Matching 8 Ohm Speaker
99 R 25397 Shpg. wt., 4 lbs.
Net 8.95
100 kHz . Calibrator Crystal for HA-800B
40 R $09015 L$ Shpg. wt., 3 oz.
Net 4.95


Boost flea power to high power for extended range and better reas. ability. Provides up to 100 watts PEP ( 50 Watts DC) input into a 50 ohm load (with 10 watts RF drive). Unique RF sensing circuit automatically switches in linear when transmitter is activiated. Absolutely no external switching is necessary. Builtin relay directly connects antenna to input $\$ 0-239$ coaxial socket when receiving. No internal connections are required to your existing equipment. Simply insert the unit in series with your transmitter (or transceiver) 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. Ilfuminated front panel meter indicates relative RF strength of finear's output signal when linear is on, or exclter's refative RF signal strength when tinear is off. Self-contalned power supply utilizes a high efficiency toroid power transformer. Rugged, attractively designed chassis with oversized heat sinks sturdy and cool operation. Supplied with comprehen-
sive manual, fused $D C$ power cables ano mounting bracket. Size: $7^{70} D$ $\times g^{\prime W} \mathrm{~K}^{\prime \prime} \mathrm{H}$. Made in U.S.A. Shpg. wt., 7 ibs. 12 oz 12 Volt DC Neg. ative Ground Only.
99 R 25280 W
Net 89.95
SPECIFICATIONS: Frequency Coverage: 20-54 MHz. Plate Power Input: 50 Watts ( 100 Watts PEP). Minimum RF Drive: $1 / 2$ Watt. Maximum RF Drive: 10 Watts. Input Impedance: 50 Ohms. Output Impedance: 40 600 Ohms ( 50 Ohms Nominal). Amplification Modes: AM, FM, SSB. DSB, CW. Power Requirement: 12 Volts DC (Neg. Ground only). DC Power 27 -watts idling. 120 -watts at full inout.
Model HA-255 AC Power Supply For 117 volt AC $50 / 60 \mathrm{~Hz}$. operation of HA-250A Linear Amplifier. Power connector mates directly with chassis socket of HA-250A. Size: $9 W \times 70 \times 5^{\prime \prime} \mathrm{H}$ Imported.
99 R 25298w No Money Down* Shpz.wt., 11 lbs .... Net 32.95

# High Performance Amateur and SW Gear 

## Deluxe Drake Model R-4B Triple Conversion Receiver



- Solid State Linear Permeability Tuned VFO
- Noise Blanker on CW, SSB, AM
- Crystal Lattice Filter

Triple converstion with exceptional features. Covers 80, 40, 20, and 15 meters completely and $28.5 \cdot 29 \mathrm{MHz}$. Segment of 10 meters with crystals furnished. Ten accessory crystal sockets for any ten addifional 500 kHz ranges from $1.5 \cdot 30 \mathrm{kHz}$ with the exception of 5.0-6.0 MHz, Selectiv'ty control with 4 bandwidths: . $4 \mathrm{kHz} ., 1.2 \mathrm{kHz}$. 2.6 kHz ., and 4.8 kHz . Pass band tuning permits SB selection withou returning and adjustment. Noise btanker, notch filter, 100 kHz crystal calibrator. Crystal lattice filter 1st IF. Crystal oscillator and low frequency VFO outputs are pre-mixed. Receives SSB, AM, CW and RITY with full RF gain. Product detector fur SSB/CW-diode detector for AM. Fransceive capability: transceives with $\mathrm{F}-4 \times 8$ or $\mathrm{T}-4 \mathrm{X}$ trans. mitters, S-meter. Lexs speaker. 60 watts. 120/240VAC. $50 / 60 \mathrm{~Hz}$ $5 \mathrm{t} / \mathrm{H} \times 103 / 4 \mathrm{~W} \times 11 \%{ }^{\circ} \mathrm{D}$, Shpg. wt., 19 ibs.
40 R 65306 W No Money Down*
Net 475.00
Model MS-4 Matching Speaker tor R-48. Wt., $91 / 2$ lbs
40 R 65041w
Net 22.00

DRAKE 2C SSB/AM/CW RECEIVER


- Product Dotectar 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 funes any 500 kHz range between 30 and 30 MHz with ac. cessory crystal. Feateres include: USB/LSB, CW. AM, RTTY with foll RF gain; solld state AVC with fast attack and slow release for SSB, or. fast release for high break-In CW; solld state audio with 1.8 watts output; selectlvity control provides bandwidth choice of $.4,2.4$, and 4.8 kmz . Set has 50 kHz se-lectable-passband filter and accurate S -me. ter. Rear panel jacls for antenna, loudspeaker, externat muting and sidetone. size: $11 \%$ Wx6\% Hx9\% ${ }_{3}{ }^{\circ} \mathrm{D}$. S7pg. wt., 16 lbs
40 R 652 dow No Mopey Down Net 255.00 Model 2-CS Matcoing Speamer tor 2-C.
Shpg. wt., $83 / 4$ lbs.
40 R 65298W Net 22.00
HAMMARLUND HQ-200 GENERAL COVERAGE RECEIVER


Continuously tunable from 540 kHz to 30 MHz with five bands. Electrical bandspread calibrated for all amateur bands from 80 thru 10 meters. Eight tubes plus 5 dlodes. Zener regutated and femperalure compensated high frequency oscillator. Selectivity continuously variable from 12 hHz (AM) to 2.9 kHz (SSB) and 100 Hz (CW). Q multiplier operates independently of BFO. BFO variable $\pm 2 \mathrm{kHz}$. Other features Include antenna trimmer, AVC, series noise limiter, product detector, and "S" meter. Sensitivity: better than $0.5 \mu \mathrm{v}$. for CW and S3B. Audio output: 2.5 watts (E/A). Power requirements: $117 / 230$ volts $A C 50 / 60 \mathrm{~Hz}$, Sizes: $161 / 2 \mathrm{~W} \times 8 \mathrm{Hx9} / \mathrm{S}^{\circ} \mathrm{D}$. Shpg. wt., 27 lbs.
40 R 28924 W
Net 338.00
Model S-101 Speaker hor MQ-200
40 R 28932 W ... ................... 19.95

ORAKE SWAA SW RECEIVER


No Money Oown 29900
onversion

- Oual Conversion
- Crystal Lattice Filter
- Oirect Frequency Dialing

Superb reception of European LF. Amertcan MF, and international SW broadcast bands. Frequency Coverage: $\quad 15 \div .5, .5-1.0$, 1.0-1.5, 6.0-6.5, 7.0.7.5, 9.5-10.0, 11.5-12.0. $15.0 \cdot 15.5,17.5-18,21.5-22$ and $25.5-26.0$ MHZ with crystals supplied. Crystal sockets are provided for coverage of any three addittonal 500 kHz ranges between 1.5 and 30 MHz ercept $5.0-6.9 \mathrm{MHz}$. Has S meter for signal strength indication. Preselector provides supert sensitivity. Crystal high fre. quency oscillator. Amplified AVC. Solldstate AF output. Impedatece: 4 -ohms. For $120 / 140 \mathrm{VAC}$. $50 / 60 \mathrm{Mz}$. Size: $51 / 2 \mathrm{H}$ I $10 \%$ wx $117{ }^{\prime 2}$ "D. Shpr. wt.. 20 lbs . 40 R 65330 W MS. 4 Matching Speaker Shpe Net 298.00 40 R 55041 W .

## HALLICRAFTERS SX-133 GENERAL COVERAGE RECEIVER



Deluke four band superhet receiver tunes 535 KHz to 31.5 MHz Covers foreign and domes. tic short-wave broadcasts, amateurs, alrcraft and marine plus standard AM. Recelves code (CW), volce (AM), and single sideband (SSB), selectable upper or lower. Calibrated electit. cal bandspread on the $80,40,20,15,10$ meter amateur bands, citizens band and the 49, 31, 25, and 19 meter shortwave band's. Fine features include selective crystal fifter, calibrated BFO. product detector, antenna trimmer, " S " meter, effective noise limiter, and crystal calibrator. For 117 VAC $50 / 60 \mathrm{~Hz}$. Size: $187 / \mathrm{W} \times 8 \mathrm{H} \times 93 / 4 \mathrm{~m}$. Shpg. wt., $313 / 4 \mathrm{lbs}$. 40 R 25656 W Net 275.00 Speaker for $\$ x-133$. Shpg. wt., $24 / 2$ lbs.


DRAKE 2-NT CW TRANSMITTER


Works all amateur bands 80 thru 10 meters crysta controlled. Features automatic transmit sritching and antenna change over relay Simplatied tuning is provided by broadband low level stages and fixed loading; PA Plate tuning only! additional features include: Automatic recelver muting; built-in CW side tone with adjustable level; low pass filter preverts TVI; spotting function; RF indicator light and bultt-In power supply. In standby position transmitter can be used as code practice oscillator. Plate meter is red-lined for Ncvice power. Delay control varies from full "כreak-in" to 4 seconds. Also has 2. front panel crystal sockets; rear panel mute, extemal switch. VFO and key jacks. For $120 \mathrm{~V}, 50.60 \mathrm{~Hz}$ AC. Size: $97 / 6 \mathrm{~W} \times 6 \%, \mathrm{H} \times$ $6 \%_{13}{ }^{*}$ à Shpg. wt., $151 / 2$ lbs.
40 R ES272w
Net 164.00

## DRAKE T-4XB SSB/CW/AM TRANSMITER



- 6 Bands SSB, CW, AM and RTTY
- 2 Crystal Lattice Fitters Improved version of model T-4X. Covers 160 10 Meters. Permeability tuned solld-state VFO has a calibration accuracy of better than 1 KHz Rated at 200 watts PEP on SSB, 180 watts PEP on AM, and 180 watts CW. AM controlled carrier modulation is compatible with SSB linear amplifiers. Two crystal lattice filters for sideband selection. Plate/current relative output meter. Automatic transmitreceive switching on CW delivers true break. in to 60 wpm. VOX or PTT on SSB and AM ACC operates on SSB to prevent flat topping due to overdrive. Size: $54 / 2 \mathrm{H} \times 115 / 8 \mathrm{D} \times$ $10^{3 / a} W$. Less power supply. Shpg. 18 lbs . 40 R S5322W

Net 495.00
AC 4 : 17 VAC Power Supply for $\mathrm{F}-4 \times B$ Shpg wt. $194 / 2 \mathrm{lbs}$.
40 R E5249w
Net 99.95

## REGENCY HR-2 MOBILE 2 METER FM TRANSCEIVER

## DRAKE "Marker Luxury" 2 METER FM TRANSCEIVER

## 

Supplied with erystats for 146.94 MHz , mike, and mouming bracket

- Power Output: 10 Watts or Better
- Automatic Adjustable Deviation Limiting

Double conversion receiver with $0.35 \mu v$ sensitivity for 20 db quleting. Sharp selectivity of 6 db for 16 kHz and 50 db for 32 kHz assures single channel copy. Squeich circuit utilizes variable electronic noise compensation. Built-in 4" speaker. Transmitter utlifizes automatic limiting for high carrier stability. Built-In SWR load mismatch circuitry provides protectlon against open or shorted antennas. Mike pre-amp. uses FET input circult. Operates on 6 separate transmitting and receiving channels plus provisions for six additional receiving channels. 2 IC's, 24 transistors, and 7 diodes. Power Draln: 2.5 amps. under full transmit at requlred 12 volts DC. Supplied with a set of crystals for 146.94 MHz , push-to-talh ceramic mike, and mounting bracket. Size: $21 / 4 \mathrm{H} \times 51 / 2 \mathrm{~W} \times 71 / 4{ }^{\circ} \mathrm{D}$. Shpg. wt., 6 lbs.
40 R 66338 W No Money Down ${ }^{*}$
Net 229.00
Additional Crystals-Speclfy Frequency-30 Day Delivery.
40 R 82129 Y Transmit. Shpg. wt., 4 oz.
Net 6.50 40 R 82137 Y Recelver. Shpg. wt., 4 oz.

Net 4.95
DRAKE MODEL TR-4 SSB / AM / CW TRANSCEIVER


- Full Frequency Coverage $10-80$ Meters
- Automatic TR Switching on CW
- CW Side Tone Oscillator
- Vox or-PTT on SSB or AM
- Adjustable Pi-Network
- Solid-State VFO Blanker

Deluxe SSB/AM/CW transceiver with VOX and PT on SSB and AM, automatic transmit/receive switching on CW . Ideal for mobile or portable work. Sensitivlty less than $1 / 2$ microvolt for $10 \mathrm{db} \mathrm{S} / \mathrm{N}$. Features: Selectivity 2.1 kHz at $6 \mathrm{db}, 7.5 \mathrm{kHz}$ at 60 db ; Ranges 3.5 .4 $\mathrm{MHz}, 7.0-7.6 \mathrm{MHz}$, $13.9-14.5 \mathrm{MHz}, 21-21.6 \mathrm{MHz}_{2}, 28-28.6 \mathrm{MHz}_{\text {, }} 28.5$ $29.1 \mathrm{MHz}, 29.1-29.7 \mathrm{MHz}$; Transistorized permeability tuned oscillator which tunes 4.9.5 MHz. Less than 100 Hz drift after warmup; input power 300w PEP (SSB) 260w AM or CW; 20 tubes 6 diodes and bulit-in 100 kHz xtal calibrator. Size: $103 / 4 \mathrm{~W} \times 51 / 2 \mathrm{H} \times 14^{3} 3 \mathrm{a}^{\prime \prime} \mathrm{D}$. Less noise blanker.

Net 599.95
ACCESSORIES FOR DRAKE TR-4
40 R 65470 34NB Plug-in Noise Blanker, wt. 1 lb.
40 R 5070 ..... Net 100.00 40 R 65041 MS-4 Matching Spkr. for TR-4, w1. 91/2 lbs. Net 22.00 40 R 65249 W AC-4 AC Power Supply for TR.4, $191 / 2 \mathrm{lbs}$. Net 99.95

## 5995

No Money Down*

- For 12 Channel Operation
- Built-in 12 Volt DC and 117 Volt AC Supplies"
- Power Output: Greater than 10 Watts


## $329^{95}$

Supplied with 2 channets, Mobile mounting bracket, mike, coax and Hustler Antenna

Expressly designed to provide the flexibitity needed for point to point or repeater operations. Covers the $144-148 \mathrm{MHz}$ spectrum with futI power performance. Solid state receiver incorporates crystal controlled double conversion superheterodyne circuitry. Sensitivity is belter than $0.5 \mu \mathrm{v}$. for 20 db . quieting and $1 \mu \mathrm{v}$. for $30 \mathrm{db} \mathrm{S}+\mathrm{N} / \mathrm{N}$ at 10 kHz with 1 kHz modulation. Hybrid transmitter utilizes transistors with a rugged 6360 output tube. RF output is better than 10 watts with adjustable deviation to 15 kHz . Spurious radiation is greater than 80 ob below the carrier. Built-in 12 volt DC and 117 volt AC supplles. Draws 4 amperes on full transmit © 13.5 voits. Supplied with 146.34 MHz transmit and 146.94 MHz receive crystals for channel 1 , and with 146.94 MHz (Simplex) erystal for channel 2 , mobile mount, mike. coax, and Hustier Antenna. Sixe: $77 / 3 W \times 23 / 4 H \times 101 / 4^{* D}$. imported. Shpg. wt., $81 / 4$ lbs.
40 R 65439 W No Money Down*
Net 329.95
Additional Crystals-Specify Channel Frequency- 30 Day Delivery.
40 R 65447 Y Transmit. Shpg, wt., 4 oz.
Net 5.00
40 R 65454 Y Recelve. Shpg. Wte, 4 oz.
Net 5.00

## AMECO RECORD CODE COURSES



AS LOW AS 3.95

Includes New Extra Class, Supplementary General, and Supplementary Extra Courses Fast, accurate method for learning code. JUNIOR COURSE: one $331 / 3$ RPM LP; from start to $71 / 2$ WPM. ADVANCED: one $331 / 3$ LP; $81 / 2$ to 18 WPM. SENIOR: two $331 / 3$ RPM LP's from start to 18 WPM. EXYRA CLASS COURSE: one $331 / 3$ RPM LP; 13 to 22 WPM. SUPPLE. MENTARY GENERAL CLASS COURSE: cOncentrated study from 12 to 15 WPM ; one $331 / 3$ RPM LP. SUPPLEMENTARY EXTRA CLASS COURSE: concentrated study from 19 to 24 WPM; one $331 / 3$ RPM LP. Courses inclede 32 page manual with FCC-type exams.

| Stock No. | Course | Speed | WL. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 R 13058 | Junior | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 3.55 |
| 40 R 13074 | Senior | 331/3 RPM | 3/4 lb. | 7.50 |
| 40 R 13090 | Advanced | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 3.95 |
| 40 R 10518 | Extra Class | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 3.95 |
| 40 R 10526 | Supplementary general | 331/3 RPM | $3 / 4 \mathrm{lb}$. | 3.95 |
| 40 R 10534 | Supplementary Extra | 331/3 RPM | $3 / 4$ to. | 3.95 |

## TAPED CODE - LEARN CODE ON A TAPE RECORDER



Prerecorded magnetic tapes containing a com. plete course in the In. temational Morse Code. The tapes are 7", 1200 ft. pre-recorded at $33 / 4$ lps and can be played on any standard tape recorder. Playing time 2 hours per tape. Shpg. wt., 1 lb .
40 R 49011 NOVICE Basic instructions 8 code 4.8 WPM 40 R 49029 ADVANCED Code at $9-18$ WPM

Net 6.50
40 R 49037 New EXTRA Code instruction at 22-31 WPM
Net 5.50

## BASIC AND ADVANCED CODE COURSES ON CASSETTE TAPE



BASIC COURSE, consists of 10 lessons, bringing the student up to 15 words per minute. With 20 -page code course.
40 R 71007 Shpg. wt., $1 / 2 \mathrm{lb}$. .......net 4.95 an 710

9516 to 25 words-per-minute. With 20 -page code course. Shpg. Wt., $1,2 \mathrm{lb}$. 40 R 71015 $\qquad$
-See Page 22 for Full Credit Details on Easy Pay Plan

# LAFAYETTE Amateur Keys and Oscillators 


（A）LAFAYETTE SEMI－AUTOMATIC＂BUG＂
A quality＂Bug＂designed for clear，easy sending and wide range of speed． 7 adjustments for speed and comfort．Precision tooled， anti－rust nicket－ptoted brass and stainless steel operating parts． Speed adjustable 10 wpm to as high as desired． $1 / \mathrm{A}^{\prime \prime}$ silver con－ tacts；weight scale for reproducible speed settings． $67 / \mathrm{LL} \times 3 \mathrm{~W}$ $21 / 4 " H$ ，erclusive of hnobs and feet．Imported．Shpg．wi．， $31 / 4$ ibs．

## 99R 25520 <br> （B）LAFAYETTE CODE PRACTICE SET

Ideat 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 mnurled tightening screws．For individual，group or remote fistening．Uses Lafayette $11 / 2$ Volf battery．Base $63 / 4 \mathrm{~L} \times 23 / 4 \mathrm{~W} \times 13 /{ }^{\circ} \mathrm{D}$ ，overall length $81 / 2{ }^{\prime}$ Imporited．Shpg．wt．， $1 / 2 \mathrm{Ib}$ ．
99 月 25538
Net 1.7 g
99 R 62564 ＂$D$＂Cell battery for above
Net 18
99 R 25504 Stethoscope Headset
Net 1.39
（C）LAFAYETTE＂BRASS－POUNDER＇S＂KEY
A preclsion－made key designed for hard usage．Spring tension and contact clearance adjustments；3／16＂silver contacis；adjustable ball－bearing oivots；Circuit elosing switch．Base $3 \times 2^{\text {；}}$ ；overall size $5 \times 23 / 8 \times 1,40$ ．Imported．Shpg．wt．， $1 / 2 \mathrm{lb}$
99 R 25553
Net 2.50

## （D）LAFAYETTE BEGIMNER＇S KEY

Economical key for beginning amateurs．Solid，heavily chrome and nickel plated metal parts，molded phenolic base．Adjustable spring tension，adjustable metal parts and adjustable contact clearance． 2 mounting holes in base．Base $31 / 4 \mathrm{~L} \times 11 / 1{ }^{*}$ W．Overall length $5^{*}$ ； height $13 / 8 \mathrm{~s}$ ．Imported．Shpr．w1．， $1 / 2 \mathrm{lb}$ ．

## 99 免 25546 <br> Net .79

（E）HIGH FREQUENCY CODE PRACTICE BUZZER
Adjustable frequency buzzer ideal for individual or group code prac． tice．Perfect code item for the ham shack．Black molded phenolic housing．Works with 11／2 volt battery．Screw adjusiment for changing tone． 1 \％＂0 diam．x 1K0＂high．Imported．Shpg．wt．，1／4 b．

## 99 R 25561

Net 79
（F）MINIATURE CODE OSCILLATOR MODULE
Transistorized．Ready to connect to your telegraph key．any $1 / 2 / 2$ to 6 volt battery and any PM speaker－ideal for leaming Morse code or devedoping speed in receiving or sending－volume mag be increased by using higher，voltage battery up to 6 volts．Simple connecting instructions and schematic included．Shpg．wt．， 3 oz
19 月 15 131
Net 98

## LAFAYETTE SOLID STATE WIRELESS CODE PRACTICE OSCILLATOR SET



Only $\qquad$
95


Makes learning code as easy as possible． Ideal tor students，hobbyists or aspiring amateuns．Portable，battery operated．Just place oscillator antenna next to any AM radio．turn radio on and you＇re ready to practic or improve your code speed．In． cludes mand Mey and 9 volt battery．Transis－ torized oscillator teatures low battery drain．
 ported．Shpg．wt．， $1 / 3 \mathrm{lb}$ ．
I9 26000
99 R 26000
99 R 60212 Extra 9 volt battery．
Net 3.95 Net .29


A terrific aid for the beginning Morse Code learner to experi－ enred 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 signat．Excellent for group practice sessions．Variable 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 tagether．Uses fow drain battery－operated transistor oscil． lator，Specifications：Tone frequency range：Approx． 500 to 2000 Hz varlable Controls：Plich，Tone，Light and Light／Tone．Term－ inals：Key，Earphone．Batterles：Includes 2 ＂C＂cells．Case： Hi－impact bakelite．Size： $61 / 4 \mathrm{H} \times 33 \mathrm{yW} \times 2^{\prime \prime} \mathrm{D}$ ．Imported． 99 R 25503 Shpg．wt．， $11 / 4$ tbs．

Net 8.95
99 R 62572 Extra＂C＂cells for above， 2 required ．．Net ea．．Is Lightweight Crystal Headset for above．Imported．
99 R 25304 Shpg．wt．， 502.
Net 1.39

## B \＆W／WATERS CODAX AUTOMATIC KEYER

－Automatic Spacing and Timing
－Solid State Circuitry
The Codax automatic keyer fea． tures automatic spacing and timing for any speed from 5 to 50 WPM．Double paddie key ad． justs to any $t i$ ist．Transistorized digital circuit and hermetically
 sealed＂Meed＂relay for lasting reliaollity． 1500 cycle audio outpul Is at microphone level for use of vox circuit．Keys grid block circuit or operates heying relay in AM／CW rigs．Self powered．0ot／Dash，3：1． $23 / 3 \times 31 / 4 \times 61 / 5^{\circ}$ ．Shpg．wt． $21 / 2 \mathrm{lbs}$ ．
40 R 16309 Model 361 ，Less Balteries
Net 11.25
Pachage of 21.35 v batteries for above（ 3 pkgs．req．）

## 32 R 46613

Net per package 2.28

## VIBROPLEX SEMI－AUTOMATIC KEYS



Super Deluxe＂Presentation．＂Patented jewel movement and Super－ speed control．Potished chrominurt．preclsioned machined parts mounted on a 24 K gold plated base top with colorful red switch knob， finger and thumb piece．Jeweled movement reduces triction，main． tains smopther，easier operation．Shpg．wt．， 5 lbs．
40 R 88084 No Money Down＊
Net 47.95
＂Champion＂．Low priced Vibroplex with same high standards of high quality for clear，speedy and easy sending．Ideal for amateur or professional radio operators．Chromium finished top parts with grey crystal base．Single lever with 2 pairs of contact points．Shpg． wt． $33 / 4$ las．
40 R 88013
Net 23.95
＂Driginal＂．Acclaimed by veteran operators for its extremely smooth． clear，rapid，effortless and accurate operation．A rugged，well built， expertly engineered machine for all classes ol transmitting worh Large centact points．Die cut dot contact．Chrome－plated mechanism Cast－iron base．Shpg．wi．， $43 / 4$ lbs
40 R 88027
Net 29.95
Geluxe＂Original＂．As above but jeweled bearings，chrome－plated base．Shpg．wt．， 5 lbs．
40 R 8035 No Money Down
Net 36.95
CORD ANO WEDGE for above，Shpg．wt $4 / 4 \mathrm{lb}$
40 R 88050
Net 2.75
Vibro－Keyer．An efficient keying mechanism for an electronic trans． mitting unit．Smooth and easy operating trunion lever．Large contacts and frame，Size： $31 \mathrm{y}^{\prime \prime} \mathrm{x} 4 \mathrm{y} \mathrm{z}^{\prime \prime}$ ．Shpg．wt．， $33 / 4 \mathrm{lbs}$ ．
40 月 88068

# Improve Your Amateur And CB Operating Effectiveness With LAFAYETTE Meters and Testers 

SWR Bridge and RF Power Meter


- Measures Standing. Wave-Ratio in a Transmission Line
- Measures Up To 15 Watt Output Into a Built-In Dummy Load
- VSWR Measurement From 1:1 to 10:1 and Reflected Power to I KW
Highly accurate. SWR and direct power readings up to 50 MHz . The unit may be permanently inserted in the transmission line for SWR and relative power monitoring, For 52 op 75 ohm lines. Insertion toss is negligible. Meter has 50 ma 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, $31 \% x$ $71 / 4231{ }^{\prime \prime}$. Sits on 4 rubber feet. Imported. Shpg, wt., $23 / 4 \mathrm{tbs}$.

Net 22.95

## R.L. Drake W-4 RF Wattmeter



## $61^{95}$

- Frequency Coverage: $1.8-54 \mathrm{MHz}$.


## No Money Down*

Reads forward and reflected power directly in watts (VSWR from nomogram), Two scales In each direction. 200 and 2000 -watts full scale. Calibration accuracy: $\pm(5 \%$ of reading +2 watts) on 200 watt scale; $\pm(5 \%$ of reading +20 watts) on 2000 watt scate. Slze: $51 / 2 \mathrm{Hx} 33 \mathrm{~W} \mathrm{Wx}^{40} \mathrm{D}$. Shpg. wt., $21 / 4$ lbs. 40 R 65371 ................................ 61.95 DRAKE WV-A RF WATTMETER. Same as above but for coverage from 20.200 MHz . Power Capability: 100 and 1000 Watts full scale. Shpg. wi. $31 / 4$ lbs. 40 R 65413

Net 73.50

## Miniature Illuminated " S " Meter



- Indicates Strength of Received Signal
- Jeweled Bearings
- Accuracy 2\% of Full Scale
- High Quality D'Arsonval Movement
- Clear Plastic Front

Durable wrap-around plastic front panel provides wide-angle readabillty. Zero adjustment screw on front panel; jewelled bearing movement. Callbrated In " S " units from 0.9 with the scale terminating in +10 and +30 callbrations. Additional full scale calibrations of 0.5 and 0.10 in tinear scale divistons. Sitvered dlals; black numerals and pointers. Illuminating lamp for either 6 or 12 volt operation. $15 /{ }^{\circ}{ }^{*}$ dial face; $11 / 4^{\prime \prime}$ overall behind panel. Supplled with mounting screws. Imparted. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 R 25132
Net 3.95
Miniature Illuminated Modulation "S" Meter


- Combination "S" Meter, \% Modulation Meter and RF Power Output Meter
- Accurate D'Arsonval Movement
- Jewel Bearings

Mighly 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 . Unear full scale markings of 0 to 5 . Dimenslons: dial face, $1 \frac{1}{8} \mathrm{~m}^{\prime \prime}$; depth $11 / 4^{"}$ overall. Supplied with 4 mounting screws and lugs. For 6 or 12 volts. Dust resistant case. Imported. Shps. wt., 1/2 lb.

1000 Watt Inline Wattmeter


- 1000 Watts Continuous
- 2.30 MHz
- 3 Scales: 0-10, 0.100, 0-1000 Watts
- Dummy Load Position
- VSWR Function
- $50-0 \mathrm{hm}$ Impedance


## $39^{95}$

Provides all you need to get the most out of your transmitter. Absorbing negllgible power, this inline unit will contlnuously monitor radlated power. Range selector switch allows monitoring on ranges of $0-10,0-100$, or 0.1000 Watts. A two-way load switch permits rapid change over from dummy łoad to the antenna, or between two antennas. VSWR measurements can be quickly arrived at by means of a nomogram which is supplied with the unit. Size: $61 / 4 " \times 33 / 4 \times 27 / 0^{\prime \prime}$ 40 R 24006 No Money Down* Shpg. Wt., $14 / 4 \mathrm{lbs}$. Net 39.95

## Swr and Field Strength Meter



## - SWR 1:1 to 3:1

A handy $2 \cdot \mathrm{in}-1$ meter for use in the ama. teur 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 MHz ; Impedance: 52 Ohms; Antenna: 5 -section, collapsible. Comparative RF field strengths can be easily determined with this fine meter. Sensitive 100 microammeter movement with easy to read 2 -color dial. Impedance matches 52 Ohm coarial lines. Attractive grey hammertone aluminum case. Size: $57 / 6 \mathrm{H} \times 23 / 40 \times 11$ Ki' $W$. Imported. Shpg. wt. $11 / 2$ lbs. 99 R 25835

Net 9.95
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 callibrated in "s $\mathrm{s}^{\prime}$ " untts from 1 to 9 , and in db up to 30 db over $\$ 9$. Partial peak clipplng is provided for noise ilmiting. Simple instaliation- B+, fllament and ground. It is adaptable to either 6 or 12 -volt equipment, and to receivers using 150 ma or 300 ma serles string fllament' systems. Requires $150-200$ VDC for 8+. Complete with $12 A U 7$ and installation instructions. Imported. 99 R 25124 Shpg. wt. 11/2 Ibs.

Net 8.95

## Full-Size Illuminated " $\mathrm{S}^{\text {" }}$ Wieter



- Indicates Strength of Receiver Signal
- 2 Jewel Movément
- Clear Plastic Front
- Calibrated to $59+40 \mathrm{db}$

A quallty "s" meter (basic $1 \mathrm{ma}, 2$ jewel movement) designed to replace many "S" meters used in communications recelvers. Clear plastic front measures $2 \%{ }^{*}$ square and meter fits standard $21 /{ }^{\circ}{ }^{\circ}$ round hole. Perfect for the experimenter and amateur. Complete with mounting screws, instructions for Instaliation and use. For 6 volt or 12 volt operation, Zero adjustment control on front pane!. imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 R 25140
Net 4.95
-Sce Page 22 for Full Credft Details on Easy Pay Plan

# Amateur Meters, Clocks and Accessories 



A handy $2-1 n-1$ meter for in the amateur radio station to check transmitters for SWR measurements. Can be left continuously in the circult for monltoring transmitter outputs. SWR: 1.1 to $3: 1$; Accuracy $\pm 5 \mathrm{db}, 2$ 10 30 MHz; Impedance: 52 Ohms; Antenna: 5 -section collapsible, comparstive fif fleld strengths can be easily determined with this tine meter. Sensitive 100 micro-ammeter movement with easy to read 2 -color dial. Impedance matches 52 ohm cosxial llines. Neatly deslgned attractive case. Size: $11 \%$. Wx $57 / 6 \mathrm{Hx} 21 / 4^{* D}$. imported. Shpe wi., 1 it. 80 oz 99 R 25835

Net 9.95

## $B$ \& W/WATERS COMPREAMP

EICO 710 GRID DIP METER


## $39^{\text {Kit }}$

 wira $59^{95}$No Money Down

Exiremely stable grid dip meter with a frequency range of 400 kHz to 250 MHz . Covers AM and FM broadcast bands, low and high band mobile radios, CB, and all ham bands through VHF. Use to tune transmitters, trim antennas to proper length, locate parasitic oscillations, measure circuit resonance, determine capacitance, " 0 " values and inductance. In addition, can also be used as a transmitter monitor and a wave meter. Uses eight precision. plug-In coils, 0.500 ua meter, and a rotating drum scale. Operates on 115 VAC . 60 Hz . Size: $2 \mathrm{~V} / 4 \times 2 \mathrm{~K} \mathbf{x}$ $67 / \mathrm{s}^{\prime \prime}$. Snpg. wt., 4 lbs
40 R 74258 Model 710 Kit Net 39.95 Moded 710 Factory wired and tested. 40 R 74266

Net 59.95

## DRAKE SCC-1 CRYSTAL

- 50 kHz , to 432 MHz - Zener Regulation

Crystal controiled 100 kHz FET oscillator Uses two integrated circults to produce 50 $\mathrm{kHz}_{\mathrm{k}}$ calibration points, Requires no tuning, band switching, or plug-in colls. Maximum stability attained through the use of zener regulation. Has provision for both local and remote on/off switch. 50 kHz to 432 MHz frequency range. Requires 15 to 18 VDC, 40 ma, Reverse polarity protection. Size: $33 / 0 \mathrm{x}$

## 431"21/9"



Net 48
Boosts Elfective Speech Power Output up to 4 Itmes
For Transmitters, Transceivers,

## 40 R 65389 Shpg. wt.. 1 1b. ... Net 26.95

 Tape Recorders ane P.A. Ampliflers Connects between a $50,000 \mathrm{ohm}$ dynamic or high impedance ceramic microphone and microphone input connector without any wiring change. May be switched in or out of clicuil and compression level can be easlly adjusted. input impedance: 100 k ohms, nominal. Input Level: . 005 to .020 volts. Voltage Gain: 10 db , nominal. Output Level: Ojo volts. Output Impedance: 50 k ohms, nominal. Self-contained batiery powered. Size: $23 / 4 \times 3 \times 41 / 2^{\prime \prime}$ Shpg. wt., 1 ib.
40 R 16291 Less Battery ........ Net 31.50 9 volt battery (1 req.)

## 32 R 48077

QUAL

AMECO AKODEL AC-1T


The Ideal unit for beginner or novice. Contains transformer powered AC power supply. 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, tubes $(6 \mathrm{~V} 6$ and $6 \times 5$ ) and instructions. Shpg. wt., $61 / 2 \mathrm{lbs}$. Complete with 1 coll kit. 40 R 10096 Transmitter Kit .. Net 24.95 4010104 CK1 extra coil kit .. Net 1.10.
SUPEREX AMATEUR HEADPHONE


## AMATEUR TRANSMITTER KIT

 tains transformer powered AC power supply.

Made especially for the Ham and short wave istener, Comfortable, removable and replaceable vinyl foam ear cushions make long hours at the rig a pleasure. Dual impedance, 600 and 4-10 ohms, can be changed at plug. Shpg. wt., $21 / 2 \mathrm{los}$.
40 R 85015
Net 24.95

## E. F. JOHNSON PHONE PATCH



A compact automatic hybrid. transformer type patch which accepts PIT, manual, or vox keying. Separate re. ceiver and transmitter input gain controls provide flexible operation without over drive. Effectively shielded and RF by-passed to virtually ellminate RF feedback into the phone line. Swltches audio from speaker to tefephone headset for undistorted, hum. free response. Adjustable "line null" control. Size: $2^{2 \prime W \times} 6^{\prime \prime} \times 21 y^{\prime \prime} \mathrm{D}$. Shpg wt., $21 / 2 \mathrm{lbs}$. 40 R 46231 Model 250 -46 Pateh Net 25.00


24-HOUR ELECTRIC WORLD CLOCK

## -8" Overall diameter

 95- Adjustable for Various Time Zones- South Polar Projection Self starting, accurate electric clock. Tells world-wide and local time. Calibrated ln hours-1 to 24, minutes and seconds- 1 to 60 . Black dial with white graduations. Chrome plated case. U.L. Usted, $110-120$ v. 60 Hz AC. Shpg. Wt., 2 los.
13 R26024
Net 10.95



## 24-Hour Tymeter Clock Only



Numeral type, 24 hour station clock. Self starting electric. Dome shaped full vislon window. IL Histed motpr and cord. For $110 \mathrm{~V}-60 \mathrm{~Hz}$. $4 \times 4 \times 73 / 4^{\mu \prime}$. Shpg. wt., $23 / 4 \mathrm{lbs}$. 40 R 91021

Net 16.00


## DELUXE 24 HOUR

 ELECTRIC WORLD CLOCK- Large 12" Clock Face
- Red Sweep Second Hand

$$
19^{95}
$$

Finely constructed, accurate 24 hour electric wall clock. Has $12^{\prime \prime}$ white dial face with black numerals and hands. Gray case is $131 / 4^{\prime \prime}$ overall diameter. UL fisted electric movement. Shpg. wt., $51 / 2 \mathrm{lbs}$. 13 R 26578 W

Net 19.95

## 24 HOUR CALLIOENT TYMETER CLOCK <br> - 10 Minute Repeat Timer $23^{50}$


24.hour direct reading dial shows minetes and hours. 10 -minute repeat timer buzzes warning to sign your call letters. Timer independently switched. Self.starting electric. For $110-120 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. Wainut finish plastic case. Size: $77 / 1 \mathrm{~W} \times 4 \mathrm{Hx4}{ }^{\prime \prime \mathrm{D}}$.
40 R 91013 Shpg. wt., $31 / 2$ Ibs.
Net 23.50

# Amateur Base Station Antennas and Accessories 

LAFAYETTE ALL-BAND VERTICAL TUNEABLE 10 TO 80 METERS ANTENNA

## DELUXE MOSELY TA SERIES BEAM ANTENNAS FOR 10, 15, 20 METERS

## Only <br> $15^{95}$

\author{

- Omni-Directional, Vertically Polarized <br> - 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 $18^{\circ}$ : knocks down to only $5^{\circ}$. Uses $31 / 2^{\prime \prime}$ diameter air wound coll as matehing in. ductor. All steel parts irridite treated to Mil Specs. Impedance 52 ohms. Maximum power 1000 watts AM or CW-2 KW PEP. Omni-di. rectional: vertically polarized.
40 R 01046 W Shpg. wt. 5 lbs. Net 15.95

## CUSHCRAFT "TRIK STIK" ANTENNA

## 95

For Amateur, SWL, TV, FM, Business Radio, CB, VHF Low and High band monitor, Aircraft Reception
Universal antenna designed for vertical or horizontal mounting. Al aluminum construction. Supplied with U-bolt, bracket, and hardware for mounting on a mast or tower. Can also be mounted to a bullding using nafis or screws, 2-54" element sections, 2-51" element inserts, $23^{\prime \prime}$ support boom. Complete instructions for frequency settings. 40 R 19188 w Shpg. wt., $23 / 4 \mathrm{lbs}$.

Net 8.95

## HY-GAIN 18 AYT/WB 10-80 METER WIDE BAND VERTICAL ANTENNA

- Automatic Switching 5 Band Capability
- True $1 / 4$ Wave Resonance On All Bands

Ruggedly constructed of heavy duty tapered swaged seamiess aluminum. Delivers out standing wide band omni-directlonal per formance. Automatic band swltching is accomplished by using three beefed-up HY-Q traps. Features top loading coll; $1 / 4$ wave resonance on all bands; SWR of 2:1 or less; low radiation angle on roof or ground mounted. Antenna height 25 ft . wt., $261 / 4$ lbs. No Money Down*
40 R 31290W ................................. 59.95 MOOEL 14 AVQ/WB 10 THRU 40 METER MY-Q TRAP VERTICAL ANTENNA Self supporting. heavy duty aluminum automatic band switch. ing vertical delivers omni-directional performance on 40 through 10 meters. HY-Q traps for $1 / 4$ wave resonance on afl bands. Low radiation angle. $12^{\prime \prime}$ double srip mast bracket insures rigidity whether roof or ground mounted. 18 ft . high. wt., $91 / 4$ tbs. No Money Down*
40 R $31308 w$
Net 39.95
RODF MOUNTING KIT For 14 AVQ/WB includes 5 ft . mast, roof mount, eround plane radial wires, insulators, and all necessary hardware. Shpg. wt., $71 / 4$ los.
40 R 31050W
Net 19.95

## HY-GAIN BN-86 <br> BROAD BAND FERRITE BALUN

- For Use With 10-80 Meter Beams, Antennas And Doublets
- Impedance 1:1 at 520 hms

Can be used with any beam antenna in the range of 3 to 30 MHz. Provides optimum balance of power to both sides on any doublet. Power Capacity is 1 kHz OC. Weathergroof construction and built-in mounting brackets. Shpg. wt., $12 / 4 \mathrm{lb}$. 40 R 31282


## $59^{95}$

No Money Down"

Deluxe Model Ta 33. J-element beam providing up to 8 db gain on the 10 , 15 and 20 meter bands. Trap design provides broadband performance and stablilty-beam easily handles a full kllowatt of AM signal. 25 db front-toback rafio, SWR 1.1/1, or less, at resonance. Beam length 14 ft ., element length 28 ft . Shpg. wt. 53 lbs
40 R 58020 WXY No Money Down


Net 135.85
Modet TA-33 "Junior," similar to above, but only 300 watts AM. Boom length 12 ft ., Element length $\mathbf{2 6}^{\prime} 8^{\prime \prime}$. Shpg. wt. 28 lbs .
40 R 58038 WXY No Money Down*
Net 93.30
Defuxe Model Ta36 6 Element Beam. Automatic band switching through high impedance parallei resonant trap circuits. Handles 1000 watts AM/CW or 2000 watts PEP. SWR $1.5 / 1$ or better. Beam length 29 ft ., boom length 24 ft . Shpg. wt., 71 lbs.
40 R 58079 WXY No Money Down*
Net 167.90

## CUSHCRAFT 2 BETER FM ANTENHAS

(A) AR-2 FM RINGO ANTENNA: POWer rIng tuning gives a perfect match between cable and antenna. Ringo also features a 52 -ohm direct coaxial feed, $5^{\prime \prime}$ ring diameter, 3.75 db gain, and direct DC ground. Takes PL-259 fitting. Factory preassembled and ready to Install. Takes up to a $144^{\prime \prime} 0.0$. mast. $42^{\prime \prime}$ length at 147 MHz . Shpg. Wt., 2 libs.
40 R 19253135.175 MHz
Net 12.50
(b) AFM-40 4 POLE: Up to 9 db gain over a $1 / 2$ wave dipole; 23 ft . o/a, pattern $360^{\circ}$ 6 db gain, $180^{\circ}-9 \mathrm{db}$ galn, 52 -ohm direct feed. Takes PL. 259 connector. Includes 4 complete dipole assembiles on $10^{\prime}$ mounting booms, harness and hardware. Will take up to a $2^{\prime \prime} 0.0$. vertical mast (not supplled). Shpg. wt., 6 lbs. No Money Down*

Net 42.50

## CUSHCRAFT BEAM ANTENNAS FOR 2 and 6 METERS

Model A50-5 5-Element, 6 Meter Beam, De.
luxe, rugged. full slze, 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 dety IV rotator. TurnIng radius- $7^{\prime} 6^{\prime \prime}$; Forward Gain- 9.5 db ; F/B ratlo- 29 db . Comes with all parts marked for quick, neat assembly and center band operation. Shpg. wt., 12 Ibs.
bar ispration. Shpg. wt., 12 Ibs.
40.50 Model A50-3 3-Element 6 -Meter Beam. 7.5 db forward gain, 6 foot boom. Shpg. wt., 8 ibs. 40 R 19230w

Net 18.50


MOOEL A-1447 7 ELEMENT 2-METER BEAM. Full size. Aluminum tubing. Beam length, $98^{\prime \prime}$. Forward gain 11 db F/B ratio 26 db . 40 R 19139 w Shpr. wt., 7 lbs.

Net 13.95
Model A-144-11. 11-Element 2-Meter Beam. Boom length 144*. Forward Gain 13 db F/B ratio 28 db . Shpg. wt., 6 lbs. 40 R 19147 W

Net 17.95
DELUXE CORNELL-BUBILIER HEAVY-DUTY ANTENNA ROTORS
As Low As $69^{95}$

- Heavy Duty Construction Down ${ }^{\text {- }}$
- Indicator Calibrated in Compass Points

MODEL TR-44 ANTENMA ROTOM for single bay amateur antenna ap plication. Rotator contains 48 heavy duty bearings in two $61 / 2^{\prime \prime}$ ball races, 450 In -lbs average torque. Indlototor is calibrated in compass points and $3^{\circ}$ increments. Double stage switch allows meter reading while motor is off. For mast or pipe to 2\%/" 0.D. For $110-120 \mathrm{~V}, 50-60$ Hz . Less cable. Shpg. wt., $191 / 2$ lbs.
40 R 83028 W No Money Down*
Net 69.95
MAM M ANTENNA ROTOR-Heavy duty rotator. Meets all amateur radio applications. Supports antennas up to 1000 ibs . Uses same compass indicator unit as the TR-44, calibrated in $3^{\circ}$ Increments. Heavy duty stainless steel gears and pinions, solenold brake release. For $110 \cdot 120 \mathrm{VAC}, 50-60 \mathrm{~Hz}$. Shpg. wt., 26 lbs . 40 R 83010 W No Money Down*

Net 129.95 100 ft . roll of 8 cond. cable for TR-44. HAM-M Shpg. wt., $53 / 4 \mathrm{los}$. 32 R 14574

# Mobile Ham Antennas - Shortwave Antennas and Accessories <br> DELUXE LAFAYETTE "RAPID-GRIP" MOBILE ANTENNAS FOR 2 AND 6 METERS <br> <br> NEW-TRONICS "HUSTLER" MOBILE <br> <br> NEW-TRONICS "HUSTLER" MOBILE ANTENNAS FOR 10-15-20-40-75 METERS 

## As Low As <br> 10 <br> 95

- "Rapid-Grip" Mount Provides

Permanent Antenna Installation In Seconds Without Drilling Holes

## 6 Meter Mobile Antenna with "Rapid Mount"

 Features waterproof base loading phasing trans former, $43^{* *}$ stainless steel whip with adapter for extra fine tuning, and a cadmium plated trunk-lip "Rapid-Grip" mount with water resistant body seal. Offers ideal omnidirectional signal pattern. Mounts on lip of trunk without drilling holes. Stipg. wt., $13 / 4 \mathrm{lbs}$. Less coaxial cable. 40801095Net 12.95

## 2 Meter Mobile Antenna <br> with "Rapid Mount"

Features rust-resistant cadmium plated "Rapid-Grip" Mount base and stainless steel whip approximately 19 inches long, which can be cut to precise operat ing frequency. Mounts on lip of trunl without drilling holes, offers ideal omnidirectional signal patterm. Complete with 16 ft . of RG 58/U cable and Pl- 259 plug. Shpg. wt., 2 lts. 40 \& 01103

Net 10.95

## HY-GAIN SW-9 SHORTWAVE WINDOW ANTENNA

- Includes Universal Window Mounting Bracket The ideal shortwave antenna for window installations: where roof-toD antennas are impractical or cannot be used. Prodides broadband performance comparable with other larger installations. Consists of one 9 foot aluminum tubular element with a universal mounting bracket and feedine. Simple to install.
Answers the problems of apartment dwelling SWL's.
40 R 31183 w Shpg. $\mathrm{wt}, 31 / 4 \mathrm{lbs}$
Net 9.95
HY-GAIN SW- 6 SHORTWAVE ANTENNA

the eaves, in the attic - Flat Top Design A completely assembled antenna, ready to install. Scientifically tuned for 1.8 to 30 MHz coverage. Can be installed on any existing structure: pole-to-pole. pole-to-tree, garage-to-house, under sists of 50 ft copper wire alached at both ends to low-loss styrene insulators. $15^{\circ}$ weather-proof rope on each insulator, plus leadin feedine. Shpg. wt., 2 lbs.
40 R 31175
Net 6.95


## LAFAYETTE 5 POSITION COAXIAL SWITCH

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

- Frequency Range to 50 MHz
- Low Loss
- Grounded for Static Elimination
- 1 KW Power Rating
- Single Gang, Single Pole

Instantly selects any one of five transmitters, antennas, exciters, receivers, or transceivers using 52 to 75 -ohm line. single gang, single pole with positive ground. Rated 1 KW amplitude modulated. All posi. tions not in use are grounded for static elimination. Long life, low less ceramic switch. Complete with contrasting pointer nob and bracket for wall or panel mount Size: $41 / 2 \times 35 \times 35 / 6^{\circ}$. Shpg. wt., 2 lbs. 40 R 01228

## VHF and SHORTWAVE ANTENNA TUNER

## Only $9^{95}$

- Works With Any Antenna Type
- Improves Reception On All Major Shortwave, Monitor, and Amateur Bands
Installs on any receiver in minutes. Permits antenna (especially indoor types) to operate efficiently on many frequencies, Greatly im. proves reception by increasing recelver sensiffivity to weak signals, as well as, rejecting interference and annoying "image" signals. Covers following bands: Shortwave (meters) $-13,16,19,25,31,41,49$ and 60 ; Amateur (meters) $10,15,20,40$ and 80 plus all fre. quencies from 3 MHz to 30 MHz , including Marine, Public Safety, Citizens Band, Avia tion and all other high-frequency services. tion and all other high-irequency services.
42 R 21073 Shpg. wt. $1 / 2 \mathrm{lb} . . . . . . .$. Net 9.95


## For 15 seconds

- 52 Ohm Load $11 \times 4 \times 31 / 2^{\prime \prime} \mathrm{H}$. Shpg. wt., 2 lbs. 42 R 21081
- Fold Over Swivel Mast
- Power Rating Up To 400 Watts SSB

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 length of 52 -ohm cable. Each of the flue resonators has a coll specially designed for maximum radiation for a particular band. Center frequency tuning is by msans of an adjustable stainless steel rod in the resonator assembly. The 54-inch fold-over. heat treated, $1 / 2^{\prime \prime}$ aluminum mast permits instamtaneous 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 400 watts PEP. Mast has $30^{-1}-24$ base stud to fit alt standard mounts.

| Stoch No. | Model No. | Description | Wt. | Het |
| :---: | :---: | :---: | :---: | :---: |
| 40 R 55018W | MO-1 | 54" Mast Fender Mount | 2 lbss. | 11.95 |
| 40 R 55026 W | M0. 2 | $54^{\prime \prime}$ Mast Bumper Mount | 21/4 lbs. | 12.25 |
| $40 \% 55034$ | RM-10 | 10 Meter Resonator | $1 / \mathrm{lb}$. | 7.95 |
| 40 R 55042 | RM-15 | 15 Meter Resonator | $1 / 4 \mathrm{lb}$. | 0.95 |
| 40 R 55059 | RM- 20 | 20 Meter Resonator | 1 lb . | 9.95 |
| 40 R 55067 | RM-40 | 40 Meter Resonator | $13 / 4 \mathrm{lbs}$. | 11.95 |
| 40 R 55075 | RM-75 | 75 Meter Resonator | 13/4 fbs. | 13.95 |

## MOSLEY MODEL SWV-7 FIXED VERTICAL SW ANTENNA

Only

## 3360 <br> - For Roof or Ground Mounting

Model SWV-7 is designed for 11, 13, 16, 19, 25, 31, and 49 meters. Six specially designed trap assemblies. housed in a single weatherproof phenolic casing assure broad band covrage for top DX performance. Antenna incorporates only the inest alloy aluminum tubing, telescoped and swaged to reduce wind vibration. Molded plastic cap prevents water from enterlag element. Height: $13 / 3 \%{ }^{\prime \prime}$. Ground is required. Shpg. wt. 8 1bs.

## DELUXE ANTENNA DUMMY LOAD

- 100 Watts Continuous 500 'Watts

1995

A must for troubleshooting your rig. 52 ohm load for easy RF power checks. Freq. Range: 0.100 MHz , VSWR 1:1. Size:

Net 19.95

## WORLD TIME ILLUMINATED ELECTRIC WORLD CLOCK

## Only $64^{95}$



Modern, international electric wall time clock, showing the local time in 70 hey areas around the worid instantaneously and simultaneously 24 hours a day. Eniarged vivid time indicators for continental U.S. time zones. Clock automatically compensates for daylight savings time and indicates A.M. and P.M. hours. It also shows day and A.M. and P.M. hours. It also shows day and
nighttime hours throughout the world with white and black backgrounds respectively. Set in handsome walnut frame. Illuminated. Powered by a heavy duty 115 V ., 60 Mz AC cloch motor. Size: $151 / 2^{\prime \prime} \mathrm{H} \times 2214^{\prime} \mathrm{W} \times 4^{\circ \prime \mathrm{D}}$. Shpg. wt., 15 lbs.
An R 30011 No Money Down * .... Net 64.95

# Amateur Station and Antenna Accessories 


(A) Lafayerte Coaxial Antenna Switch-Instantly selects any one of live transmitters, antennas, exciters, receivers or transceivers using 52 or 75 ohm line. Single gang, single pole. Unused positions grounded for static elimination. Rated 1 KW . Shpg. wt., $1 \frac{1 / 2}{} \mathrm{lbs}$. 40 R 01228

Net 10.95
(B) BRW 425 Low Pass Filter-usable with transmitters to $1-\mathrm{KW}$. Completely self contained-ellminates TVI. 85db attenuation. For 52 ohm coax. Shpg. wt., 2 lbs.
40 R 16085
Net 28.50
(C) Drake TV-1000LP Low Pass Filter-handles 1 KW: $160-10 \mathrm{M} .200$ watts on 6 meters. Shpg. wt., 2 lbs.
40 R 65140
Net 18.75
40 R 65132-Orake TV-42-LP-handles $100 \mathrm{~W}, 160$-10M ......... Net 7.65
(D) Ameco HP-45-High Pass Filter-For attenuation of 40 db at 14 MHz and 20 db at $28 \mathrm{MHz}, 300$ ohms. Shpg. wt., 302. 40 R 10054

Net 1.50
(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. IR relay 750 w PEP with directional coupler. Shpg. wt. 93/4 lbs.
40 R 46082 - No Money Down*
Net 94.95
(f) Johnson 250-39 TR Switch -Provides instantaneous high efficienty electronic antenna switching. Rated at 4 KW . Instant break-in on SSB DSB, CW, and AM. Shpg. wt., $41 / 2 \mathrm{lbs}$.
40 R 46181
Net 29.95
(G) W2AU BROAO BANOS BALUNS-A transmitter and receiving balun with built in lightning arrester, and stalnless steel hardware. Prop erly balances ail coax fed antenna systems. Handles 1 kW AM/CW. 2 KW 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. Shipg, wt., $3 / 4 \mathrm{lb}$.
40 月 47023
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., $3 / 4 \mathrm{lb}$.

Net 12.95
(H) Solderless PL-259 Low-Loss Coaxla! Connectors -Iwo types-Fits elther RG58/U or RG59/U cable. Quick, easy connections. No fuss, no bother, no adapter, no soldering required. Shpg. wt os 402. 42 R 69106 Solderless PL259 for RG58/U Cables ........Net ea. . 79 42 R 69114 Solderless PL259 for RG59/U Cable ........... Netea. . 79

## AMATEUR CRYSTALS, COILS, AND COAXIAL CONNECTORS

## AMATEUR CRYSTAL

 PURCHASE CERTIFICATES $\square$ T $82^{255}$Send filled out certificate, one for each crystal, to manufacturer. Manufacturer will ship crystal directly to you, postage paid. Available in types FT-243 and HC-17/U (pin diam., $093^{\prime \prime}$ ), and HC-6/U (pin diam, $050^{\circ \prime}$ ). Pin spacing $486^{\circ}$ for all types. Tolerance $\pm 500 \mathrm{~Hz}$ at designated frequency. No C. 0.0 .'s-allow 30 days for delivery. Specify exact frequency with your order. Specify FT-243. HC-17/U or MC-6/U type on Certificate.
40 R 54011 Y $3500-4000 \mathrm{kHz}$.......Net 2.95 40 R $54029 \mathrm{Y} 7000-7425 \mathrm{kHz}$ Net 2.95 40 R 5403 7Y $8.8 .2 \mathrm{MHz}, 8.33$-8.9 $\mathrm{MHz}^{\mathrm{Ne}} \mathrm{Net} 2.95$

## CRYSTAL SOCXETS

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 .

| Stock No. | Type | Pim | Spacing Each |  |
| :---: | :---: | :---: | :---: | :---: |
| 40 R 37123 | CS-8 | $.125^{\prime \prime}$ | $.750^{\prime \prime}$ | .45 |
| 40 R 37131 | CS-6 | $.095^{\circ \prime}$ | $.486^{\circ \prime}$ | .45 |
| 40 R 37149 | CS-5 | $.125^{\circ \prime}$ | $.500^{\prime \prime}$ | .45 |
| 42 R 09011 | CS.7 | $.050^{\circ \prime}$ | $.486^{\prime \prime}$ | .45 |

## CRYSTAL HOLDER ADAPTERS

Mosley 5-75 adapts $1 / 2^{* \prime}$ spaced holder to $3 / 4{ }^{\text {" }}$ spacing. Shpg. wt., 2 ozs. 40 R 58046

Net 40 Mosley $75-5$ adapts $7 / 4^{\prime \prime}$ spaced holder to socket with $1 / 2^{\prime \prime}$ spacing to octal socket. Shpg. wt., 2 ozs.
40 R 58053
Net 40

## coaxial connectors



42 R 69031 PL-259 Connector . 49
42 R 69049 UG-175/U Reducer-Adapts
PL-259 to RG-58/U Diameter. 16
42 R 69056 PL-258 Junction Adapter Accepts PL-259 on both ends for cable extension 49
42 R 69064
UHF Double Male-. 99 Free turning nuts
42 R 59072 SO.239SH
42 R 69080 GL.259PH Single hole
chassis mount PL-259-for quick. 79 on-off application without threading.
Semi-Solderiess PL-259 Connectors


- For RG-8/U or RG-11/U Cable

Package of 2 PL-259 type coaxial connectors. Elim. Inates difficult internal soldering to shield and gives posifive electrical contact. Shpg. wt., 6 oz . . 40 R 21028 …... Net 1.49
-Sce Page 22 for Full Credit Details on Easy Pay Plan

# UNIMETRICS Marine Electronic Equipment 

## UNIMETRICS SEAVOX-25 12 Channel 25 Watt Solid-State VHF/FM Marine Radiotelephone

- Priority Button For Instant Monitoring On Any
Channel
- Factory Pre-Tuned And Pre-Aligned
- Solid-State Modular Construction
- FCC Type Accepted For Rules Parts 81 and 83

With Hi-Sensitivity Mike, DC Cable, Crystals In. stalled For 3 Channels, and Heavy Duty Mounting Bracket.

## $499^{\text {oun }}$ <br> No Money Down ${ }^{*}$

Especially designed for marine use, the Seavox-25 features a special Front Panel "Priority" push button for instant monitoring of U.S. Government E.S.S.A. marine weather statlons or any other preselected channel. 25 watt output 12 channel radiotelephone VHF/FMM operation from 156 to 162.55 MHz . Variable $5 q u e l e h$ and built-in speaker. Special low power 1 watt level for harbor operations. Operates on 13.8 volts negallive ground DC. Self contained power supply and remote control provisions. Supplied with the following frequencies: CHANNEL $6-156.3 \mathrm{MHz}$. Intership Satety Channel CHANNEL $16-156.8 \mathrm{MHz}$. Intership and ship-To-Ceast Safety and Calling Frequency, CHANNEL Wo -162.55 MHz . Official U.S. Weather Burean Forecasts. Simplified maintenance with individual modules

and special transmit and receive test sockets. Pre-tuned and aligned for a "Do-it-yourself" Installation with recommended antennas. Housed in a watertight metal cablnet with corrosion resistant components. 31 transistors, 15 diodes, 1 IC and 1 FET. Supplied with heavy duty mounting bracket, push-to-talk microphone. DC cable, and three crystals. Size: $9^{\prime} D^{\prime} g^{\prime} W \times 31 h^{\prime \prime} H$. Imported. Shpg. wt., 8 lbs .
40 R 69076W
Net 499.50
Additional Transmit and Receive Crystals For Shipboard Use Specity Channel. Allow 3 weeks for Delivery.
40 R 69084 YZ
Net Per Pair 13.50

## UNIMETRICS SEACALL 70 Watt Power Hailer and Sensitive Listening Device

## - Automatic Fog-Horn, Manual Fog Horn <br> - Intership Intercom Facilities <br> - Separate Intruder Alarm Switch

Designed to be used for voice communication between vessels separated by fog, darkness, distance, nolse or inclement weather, or for communication with marina when docking. Sounds a continuous fog horn signal every 3 seconds. Functions as a sensitive listening instrument for picking up faint or distant sounds such as: other vessels, buoys, vouces, signals, elc. at night or in fog. Also features intruder alarm provisions. Auxiliary input for tape player, FM tuner, etc. Wateitight construction. 30 watt projector/ speaker has $90^{\circ}$, $120^{\circ}$ dispersion. Size: Speaker. $11^{\prime \prime} \mathrm{H} \times 612^{\prime \prime} \mathrm{W} \mathrm{K}$ $81 / 2^{\prime \prime} \mathrm{D}_{\mathrm{j}}$ Haller Amplifler, $31 \mathrm{~m}^{\prime \prime} \mathrm{H} \times 9^{\prime \prime} \mathrm{W} \times 9^{\circ} \mathrm{D}$. Shpg. wt., 14 lbs . Imported.
40 R 69092W No Money Down
Net 168.00
including Hailer, Projector Horn, and Microphone.

Radio/Compass
Direction Finder

$19^{95}$
with Battery and Earphone

## - Accurate Navigation

## Day or Night

An all-in-one navigation system at a low. low price that boalers, fishermen, hunters, hikers, and pllots can now easily afford. Operating on the broadcast band you can home in en stations, fir your position, or correct in en stations, the your position, or correct rent or detours. Features fluid compass with azimuth points marked in $5^{\circ}$ increments. Large rotating outer azimuth ring marked in 10 increments. Operates on Inexpensive 9 volt battery (included). Incluces earphone for private listening. Solld-State Circuitry. Shps. wt., $21 / 2$ lbs.
42 R 210992
Entra 9 V battery for above. 99 \& 60212

Net 19.95

## Sonar DC-480 Combination Chart and Flasher Depth Recorder

 Gimbal. Fairing Block $10 \% / 4 \times 6 \% H \times 6 \%{ }^{-D}$. For 12 VDC positive or negative ground. Shps. wt., $121 / 4$ lbs. 40 R 43238 w .................... 249.95

# MONTOR $=$ Fire Department <br> LAFAYETTE POLICE AND FIRE DUAL BAND SOLID STATE FM RECEIVER <br> 2 RECEIVERS IN 12 BANDS: $\underset{14.4174 \mathrm{MHz}_{2}^{3}}{3}$ 2 Crystal Positions In Each Band 



## ${ }^{\text {onx }} \mathrm{gg}^{95}$ <br> No Money Down*

- 117VAC and 12 VDC
- 1 IC + 1 FET + 13 Transistors
+9 Diodes
- Separate, Large Tuning Dials
- Sensitivity, Less Than $1 \mu \mathrm{~V}$. for 20 db Quieting
- Tape Recorder Output Jack
- Headphone Jack for Private Listening
- Receives U.S. Weather Bureau Reports

PF-200

## CRYSTAL GONTROL PLUS TUNEABLE RECEPTION

Lafayettes' superb dual band, FM monttor receiver has been especially engineered for outstanding performance and dependability. The PF-200 covers both the high and low VHF communications bands, is fully tuneable and can be crystal controlled for reception of any two frequencies in either band. It also tunes to and receives 162.55 MHZ U.S. Weather Bureau reports in parts of the country where these reports are broadcast. The PF-200 features a highly sensitive superheterodyne circult that includes tuned RF and mixer stage with F.E.T., 3 ceramic IF filters for exceptional selectivity, and an integrated circuit for efficient FM detection. Its 100\% solid state design offers top reliablitity and instantaneous monitor. ing of, and response to, emergencies. Built-in universal power supply assures continuous monitoring under any conditions since it operates on both 117 VAC and 12 VOC (negative ground only.) The
front panel features two large individual tuning dials for fow and high bands. 2 selector switches for Xtal or funeable reception, one for each band, and a variable Squelch control that lets you silence the recelver during no signal conditions. The PF-200 is also distinguished by professionally designed neatly contrasting front panel, knobs and enclosure. A large built-In speaker, an external phone jack for private istening and a tape recorder output jack are aiso included. Size: $133 / 2 \mathrm{~W} \times 7^{1} / \mathrm{K}_{2} \mathrm{D} \times 4^{1} \mathrm{~K}_{4}{ }^{\prime \prime} \mathrm{H}$. Shpg, wt., $101 / 4 \mathrm{Jbs}$. 99 R $25983 w$ Less Crystals. See Below for Crystals Net 99.95


## CRYSTAL CONTROL PLUS TUNEABLE RECEPTION ON ALL BANDS

- For 117 VAC Base Station and 12 VOC (Negative ground only) Mobile Operation
- 2 IC's + 3 FET's + 20 Transistors +11 Diodes
- Sensitivity: $1 \mu \mathrm{~V}$. for 20 db Quieting
- Adjustable Broad and Sharp Selectivity On All 3 Bands
- Illuminated Jewel Indicators for UHF, VHF and Low Band Modes
- Headphone Jack for Private Listening

An outstanding universal FM monitor receiver for the $450-470 \mathrm{MHz}$ UHF band, 144-174 MHz VHF band and $30-50 \mathrm{MHz}$ low band. The PF- 300 is fully tuneable and can be crystal controlled for reception of any two frequencles on ail 3 bands. Receives U.S. Weather Bureau reports on 162.55 MHz , in parts of the country where they are broadcast. May be tuned to elther wide or narrow-band razor sharp selectivity. Front panel features large tuning dials-one for 144.174 MHz and one for $30-50$ and $450.470 \mathrm{MHz}_{\text {; }}$ concentric selector swltches that select the desired band and selectivity; switches for crystal or tuneable recep tion for each band; and variable squelch control that sifences the
recelver during no signal conditions. The PF-300 also features a large built-in speaker, phone jack for private listening, tape recorder output jack, and UHF, VHF and Low Band antenna jacks. A bult in universal power supply permits operation on 117 VAC and 12 VDC (negative ground only). Size: $133, \mathrm{~s}$ Wx7 ${ }^{1} / \mathrm{K}_{2} \mathrm{O} \times \mathrm{A}^{1} \mathrm{~K}_{4}{ }^{\mathrm{H}} \mathrm{H}$. 99 R 26163 Shpg. wt., 11 lbs.
Net 179.95 Cround Plane Anterinas. Shpg. wt., 4 lbs.
40 R O1178W 30.50 MHz . Net....................................... 9.50
40 R 01160W 130-174 MHz ............................................................... 7.50
40 R $01202450-470 \mathrm{MHz}$

## CRYSTAL CERTIFICATE FOR PF-200 AND PF-300

Send filled-out certificate, one for each crystal, to manufacturer. Mfr. ships crystal directly to you postpald within 30 days. Speelfy Exact

## Monitoring Frequency.

40 R 82103Y Certificate. No C.O.D.

# MONTOR $=$ <br> Taxicabs Police Department <br> Railroads Fire Department <br> Auto Emergencles Special Emergency Local Government 

## POLICE AND FIRE SOLID STATE MONITOR RECEIVERS



Mobile: For Car, Truck, Boat, etc.

## Wicro P-102 ( 148.174 MHz .) Micro P-50 ( $30-50 \mathrm{MHz}$ ) Tuneable Plus 2 Crystal Positions

## - Self contained 117 Volt AC and 12 VDC Supply <br> - Hear U.S. Weather Forecasts

 on Micro P-100 $\ddagger$$$
79^{\text {only }}
$$

No Money Down*
Discover the everyday heroics in your community! Listen and thrill to the excitement of urgent police broadcasts, fire squads in action, to ambulances and to other pub ic service communicat ons on Lafayette's "Micro" monitor receivers. Monitor the U.S. Weather forecasts and disaster warnings on the Micro P-100\%. Their compact size ( $13 / 4 \mathrm{H} \times 47 / \mathrm{WW} \times 7 \neq \mathrm{D}$.) permits conventent mobile and base operation. Exceptional features include tuneable plus 2 crystal receive positlons, better than $1 \mu \vee$ sensitivity for $20 \mathrm{db} \$+N / N, 3$ ceramic if filters for superior selectivity, rariable squelch, 2 watt audio output, and professional styling with an attractive lluminated diat. The Micro P-50 and Micro P-100 include built-in fused 12 volt DC (neg. ground) and 117 VAC 60 Hz . supplies. The Micro P-450 aperates on 12 volts $D C$ (nep ground) as is and on $117 V A C$ with an optional $A C$ sup. ply. Alt units include power catbes and mounting bracket. Easy portable operation with optional power pack. Imporled. Shpg. wt., 5 libs. 99 R 26122W Micro P-100 ( 148.174 MHz ) Net 79.95 99 R 26064 W Micro P. 50 ( 30.50 MHz )

## POLICE AND FIRE SINGLE BAND SOLID STATE FM RECEIVERS

99 R 25843W Micro P-450 ( $450-470 \mathrm{MHz}$ ) Not 89.95 strap battery strength meter and antenna, Less batteries. Sheg. wt., $31 / 2$ ibs. $99 R 32260$ For Micro P. $50, \mathrm{P}-100$, and $\mathrm{P}-450$
Alkaline Batteries forHo-509A (8 req.) Shpg. wt.. 4 oz, ea Alternate micad sarteries for HB-509A (10 req.)
32 R 48887 Shpg. wt., 5 ol . ea.
Net ea. 48 Net es. 3.90 50 Hz and charges nicad batteries used in $48-509 \mathrm{~A}$.
99 R 32278 Shps. Wi 43 k lbs
117 volt AC
Net 19.95 CRYSTAL CERTIFICATÉ FDR MICRO P-50, P-100 and P-450. Send filled. out certificate, one for each crystal, to the manufacturer. Mir, will ship crystal directly to you, postpald, within 30 days. Specify Exact Monitoring Frequency.
40 R 82103 JY No. C.O.D.'s
Net ea. 5.95
Consult your local weather bureau for reception In your area.


## 4 IC's +13 Transistors +9 Diodes +2 Thermistors

## Model PF-30 $30-50 \mathrm{MHz}$

Model PF-60 $152-174 \mathrm{MHz}$

ONLY
$79^{95}$
No Money Down*

An advanced solld-state band 7 M monitor receiver that covers the high or low bands with excellent sensitivity. These monifors are fully tuneable or can be cryst=1 controlied on a single frequency. Outstanding performance resuls from meticulously engineered solid state superneterodyne circuity that includes 4 IC's in the If stages, plus tuned RF and mixer stage. Its solid state circuit permits instantaneous monitoring of, anc response to, emergency stluatlons. Features rugged design for trouble-free operation and has universal power supply for either normal 117 VAC operation of 12 VDC battery operation for field use or during emergencies. Model Pf-60 can recelve 162.55 MHz U.S. Weather Bureau reports in many parts of the country. Front panel controls i=cluded are Variable scuelch, on-Off

## CRYSTAL CONTROL PLUS TUNEABIE RECEPTION

Volume, Tuning and Selector (Tune Xtal). Size: $131 / 4 W \times 71 / 20 \times 6 * \mathrm{H}$. Im ported. Lets crystal.
99 R 2590 CW PF-60 $152-174 \mathrm{MHz}$. Shpr. wt., $161 / 4 \mathrm{lbs}$. Net 79.95 99 R. 2591 ew PF. 30 30-50 MHz. Shpgewt., $161 / 4 \mathrm{lbs}$. Ground Plase Antenna $130-174 \mathrm{MHz}$, Shpg. Wt., $11 / 4 \mathrm{lbs}$ 40 R 01160w Net 79.95

40 R 0117 ew Cround Plane Antenna 3050 MHE....... Net 7.50 wt. 4 lbs. Net 9.50 Cerificate for PF. 30 and PF.60. Send fliled out certificate one for each crystal, to manufacturer. Mir. shlps crystal directly to you, postpaid, within 30 days. Specify exact monitoring frequency. No C.0.0.'s.
40 R 82103 y

# ПDAIIRTRIFES DIGI SCAN-8 FM/VHF and FM/UHF Monitor Scanners 



## THE FIRST

 8.CHANNEL VHF/UHF CRYSTAL CONTROLLED FM RECEIVER SCANNERS with digital Readout!

Digi Scan-8 is the uitimate in an 8-channel, crystal controlled FM Monitor Scanner. Digi Scan-8's excluslve bold flashing digital readout indicator automatically seeks a voice signal on any of elght programmed channels. Digital Readout indicales which channel is receiving, and after transmission is over, automatically continues scanning. The interchangeable "Drop In" front end modules offer amazing versatility and economy. You can convert any Digi Scan-8 for efther low band FM, high band VHF/FM, or UHF/FM monitoring. Ultra sophisticated solid state engineering will enable superior and accurate monitoring of the Public Service Band, which includes Fire, Police, Local Government, Special Emergency, VHF/FM Marine, Weather, and many other exciting channels. Deluxe features include: double conversion superhetrodyne circuit with $.5 \mu \vee$ sensitivity for 20 db quieting, variable squelch control, pushbutton switches for selecting automatic scanning or manual scanning mode, separate push-button On/Off switch. Built-in speaker plus back panel external speaker jack and professional PL-259 antenna jack, and attractive vinyl and metal cabinet with die-cast front panel. The all solid state circuit permits very low current on 12 volt DC for continuous monjtoring with very little battery drain. Digi scan-8 comes complete with alt mounting hardware, AC and DC line cords. Size: $9 \mathrm{~W} \times 3 \mathrm{y} / \mathrm{H}$

3 Models Low Band VHF/FM- $30-50 \mathrm{MHz}$ to Choose High Band VHF/FM-147-174 MHz from:

## UHF/FM- $\mathbf{5 5 0 - 4 7 0}$ MHz

As Low As $\rightarrow 95$ Includes Ac Cable. DC Cable and Mounting Bracket. No Money Down*

- Digital Read-Out Indicates the Channel Receiving a Signal
- Automatic Scanning Stops When a Signal is Received, Continues Scanning After Transmission is Over - Listen to Police and Fire Calis on any one of 3 Bands - Manual Channel Selection - Variable Squelch Control - Will Operate on 12 volt DC or 117 VAC

The Digi-Scan-8 operates properly within a specific frequency spread for each band, for $30-50 \mathrm{MHz}$ the spread is 5 MHz . For 450 to 470 MHz and 147 to 174 MHz the spread is 7 MHz . When ordering specify Frequency Band and Frequency spread. ie., Frequency Band 147.174 MHz , Frequency spread 151 to 158 MHz . No COD's.

| 40 R 69001Y | Digi Scan-8 | For $\mathbf{3 0 - 5 0 ~ M H Z ~}$ | (5 NHz spread) | 139.95 |
| :---: | :---: | :---: | :---: | :---: |
| 40 R 69019 | Digl Scan-8 | For $147-174 \mathrm{MHz}$ | (7 MHz spread) | 139.95 |
| 40 R 69027Y | Digi Scan-8 | For $450-470 \mathrm{MHz}$ | ( 7 MHz spread) | 154.94 | 40 R 69027 Digi Scan-8 For $450-470 \mathrm{MHz}$ ( 7 MHz spread) 154.94

Interchangable Front End Modutes. Shpg. wt.. 6 oz. Imporied.

| 9043 | For |  |  |
| :---: | :---: | :---: | :---: |
| 40 R 69043Y | For 147-174 MHz | (7 MHz spread) |  |
| 40 R 69050 Y | For $450-470 \mathrm{MHz}$ | (7 MHz spread) |  |

Crystal Certificate for Digi-Scan-8 Monitors. Fill one out for each crystal, send directly to manufacturer. 40 R B2103Y

Net 5.95


# UHF and VHF Police-Aircraft Receivers \& Converters NEW! Regency 8-Channel 450-470 UHF Monitoradio/Scanner 

## Only $159^{95}$ <br> with AC and DC Power Cords, Mobile Mounting Bracket, and Removable Telescope Antenna

Automatically scan your chaice of eight $450-470 \mathrm{MHz}$ frequencies. Stops and listens to each tiansmission. At the end of transmission automatically continues scanning for another signat. Illuminated read out lights. Can also be operaled manually. Pushoutton control for each channel. Built-in $4^{\prime \prime}$ speaker. Squelch control. Instant-on solid-state circuitry. Audio output 5 watts. Sensitivity: 0.7 microvolt for 20 db quieting. Size $21 / 4^{\prime \prime} \times 51 / 2^{\prime \prime} \times 71 / 2^{\prime \prime}$. Shpg. wt., 6 lbs .
Specify Frequency Coverage when Ordering. Total Frequency Spread Should Not Exceed 8 MHz .ie. 454.462 MHz or $458-466 \mathrm{MHz}$. No COD's. 40 R 60265Y Madel TMR-8U $450-470 \mathrm{MHz}$. .............. Net 159.95 Crystal Certificate for TMR-aU. Fill-out one for each crystal, send directly to manufacturer.
40 R 82103 Y
NEW
SONY TR-8460 PORTABLE AIRCRAFT RECEIVER


With Batteries AC Adapter, and Earphone

- Frequency Range 108.136 Mhz
- RF Stage For High Sensitivity
- Slide Rule "Cursor Scale" For Precise Tuning
- Squelch Control

Tunes in the most wideiy used civil avlation frequencies from air-to-ground pilot and controller transmissions. VOR on nifrange broadcasts, and low frequency band pllot weather data. Operates on 4 "D" batteries or 117 VAC. "Instant on" solid state circuitry. Swing away carrying handle and telescoplc antenna. $31 / 4^{\prime \prime}$ dynamic speaber. Size: $51 / 2^{\prime \prime} \mathrm{H}$ $\times 101 / z^{\prime W}$ \& $2 \mathrm{Ko}^{" D}$. Jmported. Shigg. Wt., $31 / 2$ lbs.

## 17 133070 L No Money Down* Net 49.95

- Connects to Existing 12 Volt Neg. Ground AM Car Redio - Listen to Police Calls, Fire Calls, Mobile Phones

- Automatically Scan Your Choice of Eight 450 . 470 MHz Frequencies

SOLID STATE MOBILE FM-VHF YOUR LOW AND HIGH BAND POLICE TUNERS CHOCE LOW AND HIGH BAND POLICE TUNERS

## LAFAYETTE Hand-Hel

- Tuneable-NoCrystals Required

Hear police calls. fire calls, and mobile phones on your AM car radio. Deluxe solij-state FM.vHF High and Low Band Tuners mount under the dash. Tuneable-requires no crystals, no batteries, no special antenna. Connects in minutes to your existing AM auto radio and antenna. Automatic nolse limiter provides exceptionally fine reception of all signals. Specifications: 8 transistors, 4 diodes. Sensitivity $2 \mu \mathrm{~V}$ at 20 db of quleting. Converts FM signals to 870 kHz on AM Band. Compact -only $61 / 2^{*} \times 31 / 2^{-{ }^{-1}} \times 11 / 2^{\prime \prime}$. For 12 volt Neg. ground systems. Shpe wt., $21 / 2$ ibs.
40 R 36018 Madel PC. 200 -Tunes $30-38 \mathrm{MHz}$. No Money Down ${ }^{\circ}$ Net 39.95
40 R 36026 Madel PC. 201 -Tunes $37-50 \mathrm{MHz}$. No Money Down ${ }^{\circ}$ Net 39.95
40 R 36034 Model PC-202-Tunes 150.174 MHz . No Money Down ${ }^{\circ}$

Net 39.95




- Listen To Police and Fire Calls - Monitor Civil Defense and Public Services
- Receive Regional U.S. Weather Forecasts on $162.55 \mathrm{MHz} \dagger$

Only an atert and intormed cllizen can keep up with the electrifying
happenings of our everyday life. Two supert Lafayette FM/VHF re.
ceivers bring you live coveraje of your city or town's dally drama on either 146.175 MHz or $27-50 \mathrm{MHz}$ police and fire bands. $\uparrow 146.175$ MHz recelver tunes to 162.55 and 163.275 MHz U.S. Weather Bureau weather reports and disaster alarms in many parts of the country. Has a built-in $21 / 2^{\prime \prime}$ speaker plus an external earphone jack for convenient private listening. Rugged construction and sleek styling combine to give a clear professional tyoe appearance. Operates on 4 penlight batteries (included with set). This ultra-compact unit also features a built-in swivel telescoping antenna and provision for an external antenna. With batteries and carrying strap. Size: $6 x 2 x 15{ }^{2}$ ". Imported Shpg. wt., $11 / 4 \mathrm{lbs}$.
99R 35313L 146.175 MHz FM VHF Receiver
Net 17.95
99 R 35339 L 27-50 MHz FM VHF Receiver 99 R $35339 \mathrm{~L} 27-50 \mathrm{MHz}$ FM VHF Receiver.......... 17.9
ACCESSORIES FOR HAND HELD FM VHF RECEIVERS

| Stock No. | Description | Shpg. Wt. | Nef Ea- |
| :--- | :--- | ---: | ---: |
| 99 R 35362 | 117 VAC Adaptel | 1202. | 3.95 |
| 99 R 62580 | Extra "AA" Bateries (4 required) | 302. | -10 |
| 40 R 79018 | Earphone for Private Listening | 202. | .59 |



## LOW BAND

27.50 MHz
$17^{95}$
with batteries and carrying strap


[^25]
## LAFAYETTE Monitor VHF and UHF Antennas <br> DELUXE LAFAYETIE MOBILE <br> FM VHF ANTENNAS <br> HIGH BAND MOBILE ANTENNAS <br> LAFAYETTE MONITOR FM-VHF GROUND PLANE ANTENNAS <br> LAFAYETIE "RANGE-BOOST"TM <br> 2 BAND FM VHF GROUND PLANE COMARUNICATIONS ANTENNA

## $6^{95}$

- For $130-174 \mathrm{MHz}$ With $12^{\prime \prime}$ Cable - For 450.470 MHz

Mobile roof or trunk mount for 130. 174 MHz or $450-470 \mathrm{MHz}$ operation Terminates in $3 / 8^{\circ}$ bolt. Whip has set screw type adapter for easy tuning. Comes with $12^{\prime}$ RG-58U cable and PL259 connector pre soldered to the antenna, Length $211 / 2^{\prime \prime}$. Shpg. Wt.. 110.
40 R 01137
Net 6.95

## LOW BAND MOBILE ANTENNA

1295 - For $30-50 \mathrm{MHz}$

- Features "Rapid-Grip" Trunk-Lid Mount
Less Cable
3 deluxe new base loaded FM-VHF mobile antennas to choose from-$30-36 \mathrm{MHz}, 36-42 \mathrm{MHz}, 42-50 \mathrm{MHz}$. All 3 antennas include "Rapid-grip" trunk lid mounts for simple and easy installation. No holes to drilt. Provides ideal omni-directional signal pattern. Consists of weatherproof phasing transformer, stainiess steel whip and cadmium plated "rapidgrip ${ }^{\prime \prime}$ mount, Overall length $43^{*}$. Wt. 2 lbs.
40 R $01145 \mathrm{~W} \quad 30-36 \mathrm{MHz}$.. 12.95
40 R $01152 \mathrm{~W} 36.42 \mathrm{MHz}-12.95$ 40 R 01129W $42-50 \mathrm{MHz}$.. 12.95 $20^{\prime}$ Coaxial Cable Assembly for above antennas. Terminate with PL-259 on one end and universal lugs on other end
42 R 70021
Net 2.95


## LAFAYETTE DUAL BAND FM-VHF <br> INDOOR MONITOR ANIENNA

895

- For $30-50 \mathrm{MHz}$ $130-174 \mathrm{MHz}$

Dual band indoor antenna enables you to operate your VHF FM communications receiver without having to put up an outdoor antenna. Consists of 2 section stainless steel whip with center loaded colls for 30.50 MHz and 130.174 MHz . Ideal for use with Lafayette Models PF175, PF60, PF30 FM VHF recelvers. Overall length $48^{\circ}$. Lug-type connector. imported. Shpg. wl. 1207 99 R 26106

Net 8.95

## NEWI CUSHCRAFT HI-LO FM/VHF MONITOR STIK

 Only

2 Antennas in 1

- For $30-50 \mathrm{MHz}$.
- For 135 -170 MHz.

Mounts on mast, tower or attaches to window. Use mearly anywhere. Automatically receives high or low VHF band. Unusual vertically polarired design pulls in hard to reach signals. Accepts 52 ohm coax cable and PL-259 connector. Complete instructions supplied. Shpg. wt., 4 lbs.
40 R 19246 W
Net 16.95

## As Low As



## Model LR-145 High Band Monitor

 For 130.174 MHz and $\mathbf{4 5 0 - 4 7 0} \mathbf{M H z}$. Lightweight, omni-directional vertical ground plane antenna. 4 Radials are of stainless steel construction. Radiator is of chrome plated brass and highly corrosion resistant. Coaxial fitting on antenna base directly ac. cepts the standard PL-259 coaxial plug. U-bolts are provided to accept up to $11 /{ }^{\circ}{ }^{\circ}$ diameter masts Shpg. wt., $11 / 4 \mathrm{lbs}$. 40 R 01160 W
## Model LR-40 Low Band Monitor

For $\mathbf{2 5 - 5 0} \mathbf{M H z}$. Omni-Directional vertical ground plane antenna. 3-solid aluminum radlals, cadmium plated steel mounting brackets. Lug-Type connector. U-Bolt surplied to accept up to $11 / \mathrm{a}^{\circ}$ masts. Tuning Chart supplied. Shpg. wt., 4 lbs. 40 R 01178W
. Net 9.50


An exceptionaliy efficient ground plane antenna for operation belween 30 to 50 HMz and 130 to 174 MHz (on the high band, maximum antenna cable length to receiver should be 50 ft . for best efficiency). Comprised of 4 easily assembled drooping elements tuned to 30 MHz and a vertical radiator with a matching transformer and a low and high band collinear collector. Ideal for use with Lafayette FM communications receivers. Constructed of heavy-duty aluminum alloy rods and stainless steel tid section. Antenna comes complete with mounting bracket for $1^{\circ \prime}$ plpe or $11 / 4^{\prime \prime}$ tubing. Shpg. wt., 51/4 lbs.
40 R 01053 W
Net 19.95


Get exceptionally high performance! Con. slsts of two $1 / 2$ wavelengths, employing both impedance matching and high $Q$ phasing coils, encased in a weatherproof jacket. Precise factory tuning makes cutting unnecessary. All fittings are made of chrome plated brass for reliable operation and longest possible life. Shunt fed DC grounding provides lightning protection. Gain: 4 db over $1 / 4$ wave antenna across entire band; VSWR: $1.5: 1$ or better; Antenna Power Rating: 100 Watts: Input Impedance: 50 ohms. Use RG-58/U cable with PL-259 coaxial connector, Shpg. wt., 4 ibs. 40 R 01202W

An exceptionally versatile 3 db gain. 450 to 470 MHz moblie heavy-duty antenina designed to fit every professional vehicular requirement. 3 db gain doubles effective radiated transmitter power. Phasing colls are shock-resistant, weatherproof, mounted in the center of the radiating element and encased in jackets. Whips are staintess steel and feature an adapter providing $11 / 4^{*}$ adjustment for exact field frequency tuning by raising or lowering the bottom rod without cutting. Input Impedance: 50 ohms; Antenna Power Rating: 100 Watts. Wt. 3 lbs.

40 R 13256 W
Net 16.95

# Assorted Lafayette Citizens Band Antennas 

LAFAYETTE $1 / 2$ WAVE CB MARIME ANTENNA

## Only 24 95

## With 22 Ft. Coax Cable. Connector, and Mounting

 Hardware- No Ground Required
- Center Loaded
- Pre-tuned

Top performing CB Marine An-tenna-can be mounted on a wooden or fiberglass boat. Sin gle hole mount th" diameter stud, $\mathbf{2 "}^{\prime \prime}$ long. Base cover cap is white polypropolene. Center loaded hish effeciency Tuned Circuit. Stainless steel whip Overall height $5842^{\prime \prime}$. Feedpoint 52 -ohms. Shpg, wL, 4 lbs. 42 R 01612 W .... Net 24.95

## LAFAYETTE CENTER-LOADED

 CB WHIP ANTENNAOnly $\square$ 95 With PL259 Connector

- Weather-Proof
- For Base Station or Portable Use
- Adjustable Whip Stub

Sturdy, attractive, pertable chrome plated center-loaded whip antenna. Terminates in a PL. 259 connector. Adjustable whip is $1: 1 / 0^{\prime \prime}$ in length. Also provided is an additional whip stub, 12\%" total length. Center load. ing coil is completely weather-proof. Imported. Shpg. wt., 教 to. 99 R 31890

## DELUXE LAFAYETIE UNIVERSAL BASE LOADED CB WALKIE.TALKIE ANTENNA



- Replaces Broken Or Existing Recessed Antenna
- Instantly Attaches Without Tools
Universal base loaded CB walkietalkie antenna. Onis $16^{\prime \prime}$ in length. Replaces broken or existing recessed antenna, Instantly attaches without tools. Can be turned to compensate for astenna length. Made of non-corrostve materials. Operates equal to long telescoping amtennas.
99 R 32187 We. $1 / 4 / \mathrm{lb}$. Net_1.95


## LAFAYETTE MOBILE AM TO CB <br> ANTENNA CONVERTER

## $6^{95}$

- 1 Antenna Now Does the Job of 2 Antemnas
- Converts Any AM Automoblle Antenna to a Highly Efficient Combination CB and AM Antenna
Specially designed Lafayette AM to CB antenna converter consisting of a weatherprov loading coll with a universal mount and adjustable matching 71/4" stub. Covers entire 27 MHz Citizens Band. Easily attaches to your existing $A M$ automobile antenna. Includes diylaing hamess which couples your new combtnation AM and CB antenna directly to your Citizens Band Transceiver ánd AM auto radio. Imported.
99 R 31163 Shpg. wt. $1 / 4 \mathrm{ib}$. Net 6.95


## LOW COST LAFAYETTE $1 / 4$ WAVE GP ANTENNA

## 795

Msde In U.S.A.
Sturdy. High performance-low cost, trouble free ground plane antenna for C.B. High quellty solid aluminum elersents - steel mounting bracket. $360^{\circ}$ polar pattern provides complete 23 channel coverage. Over. all height 106". Terminates with SO239 connector. Accepts PL259. SWR 1:5/1 or better. Shgg. wt., $3 \mathrm{y} / \mathrm{l}$ lbs. 42 R 01620 W

Net 7.95 measurements are in inches. Imported. Average shpg. wt., $1 / 2 \mathrm{lb}$.

DELUXE LAFAYETTE BASE-LOADEE FIBRE-GLASS CB ANTENNA whth 17 ft . of RG58/U Cable

- "Pultrusion" Fibre Glass Whip
- Base Loading.Coil
- Tapered Shock Spring

Only $46^{\prime \prime}$ longethas high strength. and is extremely resistant to corrosion. Gleaming white "Pultrusion" fibreglass whip. Shock spring and all exposed metal fittings are chrome plated. May be mounted on any flat surface with unique 3 " snap-in mount. Solderless lead cornection with 17 ft . of RG58/U Cable. Shpg. wt., 5 jbs 42 R 01638

Net 17.95

## LAFAYETIE CENTER-LOADED FIRERGLASS CB COWL MOUNT ANTENNA

$8^{95:}$

- With $5^{\prime}$ of Cable
- Easily Mounts On CowI or Rear Deck

Onty $38^{*}$ high but performs like $102^{*}$ antennas. Designed for cowl mounting, provides an excellent radiation pattern. Substitutes for conventiona $1 / 4$ wave whips as well as base. loased antennas in the 27 MHz band. The four foot whip ellminates the possibility of striking overhead objects. Specially designed rocker support assures 8 -point grounding and permits mounting up to $35^{\circ}$ angle on fender, cowl or rear deck-fits any $15 / 16^{\prime \prime}$ to $11 / 4^{\prime \prime}$ mounting hole. Complete with 5 ft . of RC. $58 / \mathrm{Li}$ cable. Sthpg. wt., 2 lbs.
42 R 01125 W
Net 8.95

## LAFAYETTE Citizens Band Walkie-Talkie Antenna Replacement Guide

Designed for the various Lafayette "Walkie-Talkie" portable CB Transceivers indicated. Will also fit many of the other "Walkie-Talkle" units manufactured by companles other than Latayette. Check tte specs of the antennas listed on the chart below for the antenna best sulted to your present "Walkie-Talkie". All

| Antenna Stock No. | Sections | $\begin{aligned} & \text { Diam. } \\ & \text { of } \\ & \text { Base } \end{aligned}$ | $\begin{aligned} & \text { Col } \\ & \text { lapsed } \\ & \text { Length } \end{aligned}$ | Extended Length | For Lafayette <br> Walkie-Talkie Model | $\begin{aligned} & \text { Net } \\ & \text { ED. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 R 30082 | 12 | 1/2 | 6 | $523 / 4$ | HE-29 HE-298 | 1.95 |
| 99 R 30413 | 11 | 7/16 | 53/4 | 51 | HE-29C | 1.95 |
| 99831114 | 11 | 13/32 | $57 / 8$ | 511/4 | HE-290 | 1.95 |
| 94 R 30371 | 11 | 1/2 | 64/4 | $541 / 2$ | MA-60, HA-61, HE-86, HE-88, |  |
| 99 ¢ 30389 | 9 | 7/16 | 71/6 | 523/4 | HE-25, HE -88, HA-711 | 1.95 |
| 99 R 30397 | 11 | 7/16 | 53/4 |  | HE-66, $\mathrm{HE}-82, \mathrm{HE}-83$ | 1.95 |
| 99 \& 30405 |  | 3/8 | 5\%/8 | 43 | HA-70, MA-70A | . 98 |
| 99 R 31122 | 8 | 5/16 | 57\% | $361 / 2$ | HA-708, HA-70C, | 98 |
| 99 R 31130 | 11 | 3/8 | 4\% | 38 | HA-130, HA-130A | 1.49 |
| 99 R 30173 | 10 | 7/16 | 7 | 58 | HA-150 | 1.95 |
| 99 R 30074 | 11 | 7/16 | 71/4 | 623/4 | Ha-300, MA 300a | 2.25 |
| 95 R 31155 | 11 | 7/16 | 7 | 58 | HA.99. HA-303 | 2.95 |
| 99 R 31387 | 11 | 7/16. | 7 | 58 | HA.30jB | 2.25 |
| 94 R 32021 | 8 | 5/16 | 7144 | 491/4 | HA-132 | 1.95 |
| 99 и 32039 | 9 | $3 / 8$ | 73/4 | 55 | HA.734 | 1.95 |
| 99 R 32047 | 11 | 3/8 | 6 | 49 | MA-73. HA-305, HE-210A, MA-62 |  |
|  |  |  |  |  | HA-310, ha-310A | 1.95 |
| 99 R 32054 | 10 | 3/8 |  |  | Dyna-com 2, 2A, 3 and 3A | 2.95 |
| 99 R 32070 | 10 | 3/8 | 878 | 671/2 | Dyna-com 5 \& 5A, 6 \& 12 | 2.95 |

# DELUXE HEAVY DUTY LAFAYETTE 4 ELEMENT GROUND PLANE CB ANTENNA 

LAFAYETTE Base Station Citizens Band Antennas

## LAFAYETTE'S 3-ELEMENT VERTICAL

 BEAM CB ANTENNA$18^{95}:$
Multiplies Power 8 Times
Completely Precision Tuned and Ready to Assemble
MADE IN
U.S.A. - Steel Parts Irridite Treated to MIL Specs

An exceptionally high gain, directional antenna system for citizen's Eand communications. It developes a forward gain of 8 db . Front-toback ratio is 25 db ; front-to-side, 40 db . 50 ohm feedline match for maximum efficiency. Comes with bracket for vertical or horizontal mounting. The $144^{\prime \prime} 0 . \mathrm{D}$, aluminum boom is 8 feet long. $5 s_{8}$ " 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 $11 / z^{\prime \prime}$ mast. Completely lactory pretuned. Furnished with simple mounting instructions, Less mast and coax cable. Shpg. wt. $7 \% \mathrm{lbs}$.
42 R 01133 w
Net 18.85

## DELUXE LAFAYETTE SUPER RANGE-ROOST/IITM OMNI-DIRECTIONAL BASE STATION CB ANTENNA



Made in U.S.A.

## - End Fed $1 / 2$ Wave

- 4 db Gain Delivers 13 Watts E.R.P.
- Hi-Q Phasing Coil Optimizes impedance Match
- VSWR 1.4 to 1 or less
- Loaded Ground Radials For Optimum Performance

Our best base station CB antenna. $1 / 2$-wave end fed 4 db omni directional type. Huge loading coil will safely handle 50 to 75 times normal CB power. Rubber covered, Hi-a phasing coH optimizes impedance match. VSWR less than 1.4-1. Three ground radials (54") are base loaded for optimum performance, 4 db gain delivers 13 watts E.R.P. (effective radiated power). Constructed of seamless alrcraft tubing and corro-sion-proof steel for best weatherbility and wind resistance. Rated to withstand 100 mph winds. Four element static ball passes off perclpitus static smoothly and reduces receiver nolse. Direct ground lightning protection, Overall helght 18 ft . Stainless steel mounting hardware will accommodate up to $11 / 2^{\prime \prime}$ mounting mast. Less mast and coax.
42 R 01604W Shpg. wt., 81/2 lbs. Net 29.95

## LAFAYETTE LIGHTNING PROTECTOR



Designed to ellminate static build up on coaxial cables. Provides a constant draln off, reducing chances of a direct lightning strike and in many cases eliminating nolse problems. Employs one PL-259 plug and one DKCB connector.
42 R 20018 Shpg. wt., $1 / 4 \mathrm{Ib}$.
Net 3.95

## Steel Mast For Mounting CB Antenna

10 ft. 16 gaure Gold Kote steel mast- $14 / 4^{\prime \prime}$ O.D. Shpg. wt., 4 lbs. IB RG3281WX

# LAFAYETTE Mobile Citizens Band Antennas 

## LAFAYETTE STAINLESS STEEL CB MOBILE ANTENNA

## deluxe lafayette heavy-duty MOBILE CB-AM ANTENNA

- 102" Stainless Steel Whip Far Optimum 11-Meter Performance
- Heavy-Duty Cadmium Plated Stainless Steel Spring
- Aluminum Swivel Ball Joirted Made in u.s.a. Mount Base
Aluminum swivel mount base oesigned to be mounted on any surface. Plated steel spring holds rod in properly adjusted position and prevents rod damage from shocks and blows. Stainless steel whilp for resillency and strength. Less cable. Has lug terminals for 42 R 70021 cable assembly. Shof. wt. 5 lbs.
42 R 01554 WX
Net 8.95
LAFAYETTE CENTER-LOADED MOBILE CB GUTTER CLAMP ANTENNA
- Easily Snaps on Rain Gutter or automobile
- Offers Outstanding 11 Meter Performance
- Portable-Easily Removable When Not In Use-Prevent: Theft or Damage

Portable center-loaded CB antenna is leal for the CB'er. Easily removable when not in use-prevents theft or damage. Gutter clamp snaps on rain gutter of autommbile. Heavy spring assures positive grip. Cramp is heav-


Only
895 , ily plated to resist corrosion. Only 20 inches in length-outstanding 11 meter performance. SWR 1:1. Furnished with 12 ' of RG58/U cable with PL-259 connector. Importec. Shpg. wt., $11 / 4$ los.
99 R 31882
Net 7.95

## LAFAYETTE BASE LOADED "AUTO-TOP" CITIZEN BAND ANTENNA

- Automobile rooftop application effects ideal Omnidirectional signal patterns
- Mounts neatly from outside vehicle in $3 / 4^{\text {² }}$ hole
- Base loaded Phasing Transformet, completely weatherproof
- 39" Stainless Steel whip

The Lafayette Base Loaded "Au O-Top" Citizens-Band antenna offers the CB'er the ideal omni-directional signal pat. tern with very low signal to nalse. This quallty antema consists of an inconspicuous base loaded, neutral gray weatherproof phasing trans former (only $4^{\prime \prime \prime} \mathrm{high}$, and $\mathrm{l}^{\prime \prime \prime}$ In dlameter), a $39^{\prime \prime}$ stainless steel whip, and all mounting hardware including complete and simple mounting instruction sheefs. Antenna mounts in $x / 4 / 4$ hole. Comes less cable. Shpg. wt. 2 lbs.
42 R 01208 W

## Only

$8^{95}$
Made in U.S.A.

## LAFAYETTE CB BUMPER MOUNT ANTENNA WITH STAINLESS STEEL STRAP

- Cadmium Plated Bumper Mount with Plated Steel Strap

Only

- $102^{\prime \prime}$ Stainless Steel Whip
- Heavy-Duty Cadmium Plated Steel Spring


An outstanding Lasaytrte CB ansenna size $102^{\prime \prime}$ stainless steel whip and a fully adjustatie steel plated mount with a stee plated strap which was specially designed to fit most cars. Heavy duty plated steel spring is built for extremely rugged mobile use. less cable. Shpg. wt., 5 lbs.
42 R 01596 WX


# Antenna Specialists Citizen Band Antennas 

 Base Station Antennas
## "SUPER MAGNUM" MODEL M-117 1/2-WAVE CB BASE STATION ANTENMA

## $32^{95}$

No Money Down*

- Stati-Lite Ball for Additional Dissipation of Static Electricity
- Hi" $\mathrm{Q}^{\prime \prime}$ Phasing Transformer Provides
Resonance over entire CB Band

Rigid aluminum vertical radiator provides maximum improvement in signal-to-nolse of 6 db , a 3.75 db of true gain as compared to a flat ground plane antenna. Top mounted orDital ball drastically reduces static discharge noise. Full $1 / 2$ wavelength $108^{\prime \prime}$ padials offer maximum RF decoupling . . Iow radiation angle intensifies signal coupiling. Includes powerfui phasing transformer and mounting hardware to take up to $11 / 2^{-1}$ masts. Treated against corrosion. Easy to install. Shpg. wt., $91 / 2$ lbs.
42 R $10019 W$
Net 32.95


$\qquad$

## M227 "MIGHTY MAGNUM III" 1/2 WAVE OMNI-DIRECTIONAL CB BASE STATION ANTENNA

## $36^{95}$ <br> No Money Down*

- Power-Tip Radials Lower Radiation Angle
- Phasing Coil Optimizes Impedance MatchVSWR Less Than 1.4:1
- "Stati-Lite Diamond" Reduces Receiver Noise


Ruggedly constructed, omni-directional, base station antenna with 4 db gain. Increases radiated power to 13 -watts. "Power-Tip" radials lower radiation angle and increase range. "Stati-Lite Diamond" reduces receiver noise. Phasing coil optimizes Impedance match-VSWR less than 1.4:1. Completely waterproof transformer jacket. Four elecwaterproof trans ormer jacket. Four elec-
trically, shortened radials (only $60^{\circ \prime}$ long) permit easy Installation and decreases wind resistance. Overall helght: $17^{\prime \prime} 6^{\prime \prime}$. Takes masts up to $11 / 2^{\prime \prime}$ O.D. Parcel Post Ship. pable. Wt. 10 lbs.

## 42 R 10563W

Net 36.95

## MR- 119 "SUPER SCANNER" Electronic rotatable CB FIXED ANTENNA

## $89^{95}$

No Money Down*

- Electronically Scans A Full $360^{\circ}$
- Omni-Position for Locating Other Stations
- Includes Separate Scan Control Unit
Multi-element directional antenna system electronically rotatable for a full $360^{\circ}$ in three $120^{\circ}$ steps plus an OMNI.FOSITION for quickly locating CB stations, particularly mobile. This is accomplished by use of the "Scanner's" separate electronic Scan Cantrol unit. Compact array of 3 sector-phased $171 / 2 \mathrm{ft}$. vertical elements extend less than 3 feet from the mounting boom. Resists over 100 mph winds. 7.75 db directional gain, - 23 db Iront-to-back ralio. Requires 4 -cond. rotor cable. Takes masts from $11 / 2^{\circ \prime}$ to $2^{\prime \prime}$. Shpg. wt. 20 lbs.
42 R 10571 W
Net 89.95
100 ft . coil of 4 -cond. rotor cable. 32 R 89105

Net 3.40

## Mobile Antennas

M-180 ADJUSTABLE GUTTER CLAMP MOBILE ANTENNA


Easily snaps on rain gutter of car! Swing. away base design permits instant lowering while seated in the car. Heavy duty, chrome plated mount has spring loaded position adjustment for $0^{\circ}, 45^{\circ}$ or $90^{\circ}$ mounting on either side of vehicle. Sleeh black fiberglass center loaded whip is professionally designed for heavy-duty operation. Has all the things a CB'er would want in a mobile antenna: Ruggedness, reliability and high performance. Shpg. wt., 2 lbs.
42 R 10522 W
Net 18.95
M301 2-SECTION FIBERGLASS TUNEABLE MOBILE ANTENNA


Replace Your Old
Steel $1 / 4$ Wave Mobile Whip
$72^{\prime \prime}$ tuneable white fiberglass spit whip. Two-plece with nickel plated brass ferrule. Finger-tip tuning. Fits \%" "-24 mounts and spring. Top load. ed, totally Incapsulated load coil. Parcel post shlpped, Shpg. wt. 1 lb . 42 R 10605

Net 14.95

## "QUICK-GRIP" MOBILE ANTENNAS

## As Low As <br> $19^{95}$

(A)

With 16
Coazial Cable
"Quick-Grip" Trunk Mount-No Holes to Drill-Simple Instal. lation, Mounted in Seconds,
(A) Model M175. Staintess steel whip. Base Loaded with attractive gray jacket and chrome end fittings. Whip adapter provides $11 / 4$ " adjustment for extra fine tuning. "Ouick-Grip" mount. Solderless lead connection with PL-259 at set end of 16 foot coaxial cable. Shpa. wt. 2 lbs.
42 R $10498 W$
Net 19.95
[B] NEW M304-White fibre glass whip, tapeered stainless steel slim-line shock spring. Extreme resistance to corrosion. Only 46" long. Solderless lead connection with PL259 at set end of 17 ft . coaxial cable. Shpp. wt., $13 / 4 \mathrm{Jbs}$.
42 R 10613W
Net 23.95

## M-90 96" FIBERGLASS WHIP MOBLLE ANTENNA

A $95^{\prime \prime}$ white Yiberglass CB whip antenna designed for use only on the $27-\mathrm{MHz}$ band. Mounting adapter consists of chrome plated brass ferrule with $3 / 9^{\text {ma }} 24$ male thread to fit standard base or spring. Wt. $11 / 4$ lbs. 42 R 10217WX

Net 10.95
MODEL M-3B $102^{\circ}$ WHIP. Similar to M. 90 except stainless steel construction. Shpg. wt., 2 lbs
42 R 10225 Wx

## M-168 MOBILE "GRIP.STICK" Magnetic antenna

## Ideally Suited for

Temporary Emergency,
or Permanent Mounting
17 95

- No "Installation" Involved

$$
\text { with } 15^{\circ}
$$ coaxial cable

No "Installation" involved. Merely place it on the vehicle-center of the rooftop, or back deck, run cable thru window or trunk (under seats) to $C B$ radio. Stainless steel whip, anodized aluminum base, black phenolic insulator, and grey center loading coil. VSWR under 1.5:1. With 15 fl . coaxial cable and PL-259 connector, Shpg. wL, 2 lbs.
42 R 10480 W
Net 17.95

## ANTENNA SPECIALIST S M2O

WINDOW MOUNT ANTENNA
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. Performance wlli tmprove wilt height above ground.
(Not Hilustrated) Shog. wt., 2 lbs.
42 R 10092 W
Net 10.95

## M-178 "STICK-SHIFT" MOBILE

## MAGNET ANTENNA

## With 16' Coaxial Cable

For temporary or permanent mobile applications. Powerful mag. net feature tets user shift position of antenna or change from one vehicle to another. Triple chrome plated metal base. Fine tuning adjustment, VSWR 1.5:1 or better, $38^{\prime \prime}$ stainless steel whip with 16 ft. RG-58/U cable termination in PL 259 connector. Shpg. wt.. 2 lbs. 42 R 10530 W

Net 17.95

# Selected CB Antennas, Rotors and Mounts 

## ANTENNA SPECIALISTS M317 FIBER GLASS CB BASE STATION ANTENNA

## $59^{95}$

## No Money Down*

- Fiberglass Construction
- Provides 4 db Omnidirectional Gain

Gleaming white flber-glass
CB base station antenna for the
27 MHz band. Provides 4 db omnidirection gain and 1.5:1 VSWR. Features four "Power-tip" ground radials and super loading coll, 1000 watt power handling capabinity Insures against burn-outs due to power surges or high level static bulidups. Entire radiator encapsulated in "Armor weave' ITm fiberglass; construction Is Impervious to all corrosive elements. 115 mph wind rating. 17' overall height. 50 ohm input impedance. Accepts PL-259 cable connector. Includes mounting hardware for $11 / 2^{\prime \prime}$ mast. Shpg. wt., $57 / 4$ lbs.
42 R 10521 W
Net 59.95

## UNIVERSAL LAFAYETTE MOBILE ANTENNA ACCESSORIES



CHROME PLATED SWIVEL BALL MOUNT BASE. Can be mounted vertically or horizonlally. With lug terminals. Imported. Shpg. wt., 1 lb
99 R 30306
Net 3.49

heavy duty chrome plateo STAINLESS STEEL SPRING. Provide maximum support for long whips and heavy centerloaded whips. Imported.
Shpg. wt., $11 / 2 \mathrm{lbs}$.
99 R 30363
Net 2.95


CHROME PLATED BUMPER MOUNT WITH STAINLESS STEEL STRAP. Completely adjuslable for vertical mounting on most types of automobile bumpers. Highly reliable and durable. Eliminates need of cumbersome linh type chain mounts. Imported. Shpg. wt., $13 / 4 \mathrm{lbs}$.
99 R 30355
Net 4.95

## ANTENNA SPECIALISTS ANTENNA MOUNTS



A MODEL M-191. Double Chain Bumper Mount. Cadmium plated. Accepts ${ }^{3} \mathbf{o s}^{*}-24$ thread of spring or whip.
42 R 10183 Shpg. wt., $23 / 4 \mathrm{lbs}$. Net 10.45 B Model Mi47 Stainless Steel Bumper Strap Mount. No holes to drill-easily adjusted.
42 R 10399 Shpg. wt., $21 / 4 \mathrm{lbs}$. Net 11.95 C Model M-115 whip hold down clip.
42 R 10191 Shpg. wt., 3 oz. Net 1.25 D Model M-161 Quich Grip Mount. Standard trunk-lid mount accepts all $3 / \mathrm{B}^{\prime \prime}$ snap-in-type antennas. No holes to drlil. Water resistant body seal.
42 R 10472 Shpg. wi., 1 lb . Net 4.95

AVANTI "Moonraker"
BASE STATION ANTENNA


Combines is wave cross dipcle elements with the patented PDL UNQUAD design re flector. A simple flick of the swich changes mode. for transmitting or receiving, from vertical to horlzontal polarization for interference.free communlcations. Uses only a 15 it. boom to eliminate efficiency losses in. herent in multiple in-line quad designs, thus better signal excitation is achieved to provide greater true gain. Designed along the lines of antennas used to pinpoint signals on "moon bounce". 14.4 db gain. 1.2:1 SWR 50 obms impedance. 38 db vertical to hori zontal separation. 90 MPH wind survival. All aircraft quality aluminum with cast hubs and extruded clamps. Includes dual switch box tor use with standby omni. Shpg. wt. 27 lbs.
42 R 34068WXY
Net 129.95
CUSHCRAFT "RINGO" $1 / 2$ WAVE VERTICAL CB FIXED ANIENNA

## $21^{50}$

- 375 db gain
- Covers All 23 Channels with 1:1 SWR

A sturdy Citizen Band vertical antenna with power ring tuning for amazing full circle galn. Power ring gives a perfect match between antenna and feed cable to utilize all available transmitter power. Construction is all 049 wall aluminum tubing with solid hald telescope clamps and phenolic base insulator. Designed for 52 ohm direct coaxial feed. Overall helght: $17{ }^{\prime \prime} 10^{\prime \prime}$. Direct DC ground to eliminate static discharge noise and lightning hasard. Shpg. wt., $41 / 4 \mathrm{lbs}$. 42 R 20026 w Net 21.50


## SOLDERLESS PL-259 LOW-LOSS COAXIAL CONNECTORS

## One for either RG58/U

 or RG59/U cable. Quich. easy connections. Nofuss, no bother, no adapter, no soldering required Shpgent., 40 oz .
Solderless PL259 for RG58/U Cables
42 R 69106 Net ea. . 79
Solderless PL259 for RG59/U Cable
42 R 69114 Net ea, 79
LAFAYETTE "DUMMY" ANTENNA
LOAD FOR CB TRANSCEIVERS
159


A 52 ohm non-inductive load for testing and tuning-up Citizens Band transmitters up to 5 watts. Built into PL259 coaxiat plus 42 R 09029 Shpg. wt., 3 oz. ...
$29^{95}$

- Packs Maximum Signal Strength As Most Efficient Position
- Full Omni. directional Signal
"Astro-Plane" base station antenna provides ull omni-directional communications. Its re. volutionary design con-


## AVANTI "ASTRD PLANE" BASE STATION CB ANTENNA

 centrates signal power on top for maximum, efficient operation. Heavy duty aluminum construction with corrosion resistant fittings, including solderless coax connector, assure a long, trouble free life. Double bracing withstands 120 mph winds. Impedance: 50 ohms; SWR: less than $1.4 / 1$; power gain: 4 db ; length: 12 . Can be mounted on a single mast up to $11 / 2^{\prime \prime}$. Shpg. ${ }^{1} 1 ., 43 / 4$ lbs.42 R 34019 w
CORNELL DUBILIER AR-22R AUTOMATIC ROTOR
 Heavy-duty roior unit will handie antennas up to 150 lbs. Simply set the control unit pointer to the desired direction, and the antenna will autematically rotate to this posiion and stop. Perfect for TV. Ham or Citizen Band applications. Rotor unit employs 12 heavy duty ball bearings in two 61/2" races. Reversible clamps on rotor will take masts from $7 / 6^{\prime \prime}$ to $\mathbf{2}^{\prime \prime}$. O.D. Control unit is marked in compass points. N.S.E.W., NW, NE, SW, and SE. Housed in attractive blach vinyl steel cabinet. For $110-120$ volts. $50-60 \mathrm{~Hz}$ AC. Uses 4 -conductor rotor cable
42 R 86076 w Shpg. wt.. 15 Ibs. Net 36.85 Nodel AR-33 Solid State Pusnbutton Auto. matic Rotor. Same as AR-22R but with deluxe pushbutton control unit that enables you to pre-set the antenna to any 5 -positions. Uses 5 -conductor rotor cable. Shpg. wt.. 16 lbs. 42 R 86100 w

Net 49.95

## 100 ft . coils of rotor cable.

4 Cond.
32 R 89105 Shpg. wt., $21 / 2$ lbs. Net 3.40 5 Cond.
32 R 36312 Shpg... wt., $23 / 4$ lbs. Net 4,72

## MOSLEY WEATHER-GUARD ANTENNA COAT

Fast drying, clear coating compound protects against corrosive action of salt, water, molsture, and ultraviolet radiation. will not discolor antenna. Applies easily with a brush. Shpg. wt., 1 ib.
42 R 51112
Net 1.24


[^26]
# Lafayette...Headquarters for CB Crystals 

## HOW TO ORDER CRYSTALS

## for Lafayette rB transceivers

Add two (2) digits representing the desired channel to the appropriate stock number listed below; l.e. the correct stock number for Lafaycte Model HB-115 transmit crystal for channel 1 is 46 P 1801, likewise for channel 23 is 46 R 1823.

A full line of transmitting and receiving crystals for LaFAYETTE CB Transceivers and Walkie.Talkies, the number one line on the market today. These crystals are available for any channel from 1 to 23. Extremely accurate "3rd overtone" crystals are precision made and more than meet F.C.C. tolerance requirements of $.005 \%$. "No crystal required in receiver circuit of these transceivers. Shpg. wt., 2 oz.

| Model | Stock Numbers Iransmit Receive |  | Modtl | Stock Numbers Transmit Receive |  | Model | Stock Numbers Transmit Receive |  | Model | Stock Numbers Transmit Receive |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HB-115,A | 46R18 | - | HE-20T, HA 450 | 46R65 | 46R10 | H8-200 |  |  | $\begin{aligned} & \text { Comstat } 19 \\ & \text { Micro } 12 \end{aligned}$ | $\begin{aligned} & \text { 46R61 } \\ & 46 R 15 \end{aligned}$ | $\begin{aligned} & 46 R 17 \\ & 46 R 10 \end{aligned}$ |
| HE-15,A, B | 46R18 | - | HE-43,A, B, C, HE-90 | 46 R 18 | $46 R 19$ | HB-500, A | $46 R 15$ | $46 R 16$ |  |  |  |
| HE-20,A,B,C HE-20 | $46 R 18$ | 46R19 | HB-111 | $46 R 61$ | 46R19 | HB-555 ${ }^{\text {a }}$ | $46 R 65$ | 46R13 |  |  |  |
|  | 46R11 | 46R10 | HA-150 | 46R15 | 46R10 | Comstat 9 | 46R61 | 46R17 |  |  |  |
| LAFAYETTE "WALKIE-TALKIE" CB TRANSCEIVERS |  |  |  |  |  |  |  |  |  |  |  |
| Model | Stack Numbers Transmit Receive |  | Model | Stack Numbers Transmit Recelve |  | Model | Stock Numbers Transmit Receive |  | Madel | Stock Numbers Transmit Recelve |  |
| HE-29,A,B <br> HE-29C, D; GT-50,A <br> HA-60,A; HA-62,A <br> HA-73, A. HE-75 |  | 8 46R17 HA-85, A; HA-995 46R10 HE-88. HE-100,A,B55 46R1U HA-130A, HA-1325 46R10 HA-135, 711, A |  | $46 R 15$46R15$46 R 15$$46 R 15$ | $\begin{aligned} & \text { 46R10 } \\ & \text { 46R10 } \\ & 46 R 10 \\ & 46 R 10 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { HE-210, A, HA-295 } \\ & \text { HA-300, A, B } \\ & \text { HA.303. HA-305 } \\ & \text { HA-310, HA-310A } \end{aligned}$ | $\begin{aligned} & \text { 46R15 } \\ & 46 R 11 \\ & 46 R 15 \\ & 46 R 15 \end{aligned}$ | 46R10 Oyna.Com, 2, a, 3 46R10 Dyna Com 3a 46R10 Dyna-Com5,5a,6 46R10 Dyna-Com 12,12A |  | $46 R 15$$46 R 11$$46 R 10$$46 R 15$$46 R 15$$46 R 10$ |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## CB Crystals for Popular Standard Brand Transceivers

NOW... Any transmit crystal or any receive crystal for any CB transceiver that uses a separate transmit crystal and a separate receive crystal for each channel. NOT APPLICABLE TO CRYSTALS USED IN SYNTHESIS CIRCUITRY.

SEND filled-out certificate, one for each crystal. to manufacturer. You will receive the crystal directly from the manufacturer, postage pre paid, within a maximum of 30 days.

Specify Mfr., Model No., Iransmit or Receive and Channel No. No C.D.D.'s. 46 R 09004 Y .... Each Net 2.25

# Hy-Gain and Shakespeare CB Base Station and Moble Antennas 



## LAFAYEITE-Headquarters for CB Accessories \& Equipment

## NEW! LAFAYETTE CB Transceiver Multitester

Measures

- RF Power Output
- \% Modulation
- Relative Field Strength
- Crystal Activity
- SWR
- DC Volts Up To 15 V
- DC Amps Up To 1a
- RF Power Up To 8 Watts


## Generates

- Crystal Controlled RF Signal
- 1 kHz Audio Signal
- Modulated RF Signal


## Provides

- In-Circuit Connection To Antenna Without Removing Cables From Transmitter
Permits
- Aural Monitoring of Local Transmitters
- Visual Transmitter Monitoring with Oscilloscope

Fealures sensitive 0'arsonval meter, jacks for aural and visual monitoring, audlo generator output and RF signal generator output; ceramic jacks for standard miniature crystal sockets. Controls inclute 8 -position selecto- switch- Sig. Gen./ Crystal. Field strength, DC Amps 0.100 ma , AC Amps 0.1 A . DC Volts 0.3 V , AC Volts 0.15 V . Modulation, RF Power/SWR. 4 lever switches for: RF Gen., Audio Gen./ Modulator Power-SWR and Forward, Antenna-External and Internal. Atso has-Push-to-Calibrate Swith. Meter Adjust Control, Modulation Cal̄̈rate Control. \$0-239 sockets accept standard PL-259 connectors. Sturdy attractive metal case with brushed aluminum front panel. Size: 8 "Wx $33_{4}$ "Dx5 $3 / 4$ "H. Includes "AA" battery; $60^{\prime}$ " telescoping antenna, Imported. ShPg. wt., 4 lds.
99 R 32195 No Money Down*
Net 39.95


## NEW! Antenna Specialists CB Meters, Bridges, Matchers, and Switches

model m-250 antenna switch. Four position coaxial switch with no incertion loss. This unit allows the use of horizontal, vertical. auxiliary or horizontal/vertical antenna systems. Shpg. wt., 2 lbs. 42 R 10639

Net 11.95
model m-253 Antenma matcher. Tunes wide range of impedances to allow perfect matching of antenna-coax-trausceiver for full protection of final amplifier devices. A must for those using dual polarity antennas. Not illustrated. Shpg. wt., 2 lbs 42 R 10647


As low as $11^{95}$


MODEL M-252 waitmeter. Inline design. Accuracy on measurement is held to $\pm 5 \%$ by laboratory standards. 10 w and 100 w scales. Easy to read meter indicates forward power at all times. Shpg. Wh, 2 lbs . 42.R 10662

Ne! 27.95

## ANTENNA COAXIAL SWITCH



- Rated At 1 KW AM, 2 KW PEP SSB CBer's and Hams can stop reaching behind their rigs, wasting time and missing calls switthing antenna leads. With this quality coaxial switch-just turn the knob and instantly change from one antenna to another. Size: $21 / 2 \times 11 / 4^{\prime \prime}$. Shpg. wt., 602 42 R 21024

Net 5.95
CB INLINE WATT METER
$14^{95}$


- Rated at 5-Watts Continuous

Easy to use and very accurate! rells you how many watts your CB rig is dellivering. Reads true output power in watts when inReads frue output power in watis when inserted in a 50.0 hm line. Stays $m$ insitoring. Negliglble insertion loss. Reads true output power and not relative power.
42 R 21065 Shog. wt., 5 oz. .. Net 14.95

CB ANTENNA MATCH
$g^{93}$

- 1.1:1 VSWR

Gives a perfect antenna/transmission line match Df 1.1:1 VSWR for full power. Requires no special tools for insiallation. Simply insert the CB MATCHER between the transmitter and antenna lead-in. Adjustable tuning knobs permit precise matching under various operating conditions
42 R 21032 Shpg. wt., 6 oz. Net 9.95
E. F. Johnson Antenna Meter
$14^{95}$


Model 250.849 Antenna Meler. Effectively minimizes power loss through your antenna system. Get maximum communication range from your transceiver. Direct reading antenna meter measures SWR up to 10:1. No external power needed. Size: $4 \sqrt{2} \times 23 / 4 \times$ $2 \mathrm{~K}_{0}^{\prime \prime}$. Shpg, wt. 14 oz.
42 R 39133
Net 14.95

MODEL M- 251 MODULATION BRIDCE. Allows full-time monitoring of modulation. Accurately measures modulation from 0 to $100 \%$ with minimal insertion loss. May be left in line, Shpg. wt., 2 lbs.
42 R 10654
Net 27.95

## CB and Ham SWR Mini-Bridge



- Handles A Full 500 -Watts

Average Power
Only $23 / 4$ " long by $154^{\prime \prime}$ high by $13 / 4^{"}$ wide, yet, will handle a full 500 -watts average power with negligible insertion loss. Gives stable meter readings of SWR plus an additional scale shows relative output power. Designed for 52 -ahm impedance lines. Supplied with universal mounting bracket for inline adolications. Shpr, wt. $80 \mathbf{o z}$. 42 R 21040

Net 13.25

## E. F. Johnson CB Matchbox



Model 250.49 CB Matchbor. Compact selfcontained antenna matching unit enables maximum energy transfer to antenna system. Simple adjustment of "Tune" and "Load" controls correct SWR up to $5: 1$ to give almost perfect $1.1: 1$ antenna match. Requires no external power source. Size: $4 \times 31 / 4 \times 23 / \mathbf{m}^{\prime \prime}$. Shpg. wi., $11 / 2$ lbs.
42 R 39141
Net 15.95

## Improve Your Citizen Band Performance

## AMECO CB Transceiver RF Preamplifiers



## As Low As <br> 

On the Air Sign

- Improve Receiver Sensitivity AM or SSB

FET Transistor Amplifier

- Connects to CB Transceiver No Modification Required
Model "PCB-u" solid-state preamplifier improves sensitivity, increases gain of receiver section of transceiver over 20 db . Improves signal-to-noise ratio. Automatic switching bypasses preamplifier when transmitting. Built-in gain control increases immunity to front-end overload. "ON THE AIR" sign automatically lights when transmitting base station or mobile. Size: $71 / 2^{\prime \prime} \times 31 / 4^{\prime \prime} \times 42 / 2^{\prime \prime}$ Shpg. Wt., 41/4 lbs.
42 R 69098 No Money Down ${ }^{\circ}$ Net 59.95 Deluxe Model PCB.Senlor. In addition to the above, contains power switch to contro entire station. It can feed a second receiver and automatically mutes second receiver while transmitting. Has double tuned preselector stage. For base station 117 V AC only. Shpp. wt., $31 / 4 \mathrm{lbs}$
42 R 69130
Net 69.95


## LAFAYEITE Auto-Marine Engine Noise Suppressor Kit





- A must for Mobile CB and Ham Operators

$12^{95}$
13 Components Plus Shielded Cable Bonding Strap and All Mounting Hardware Easily installed kit will effectively suppress noise and interference created by the operation of electrical equipment in your car or boat such as spark plugs, circuit breakers, colls, generators, regulators, or dis. tributor assemblies. Consists of 8 -spark plug suppressors; 1 -distributor suppressor; 12 ft . shielded cable; 18 -inch bonding strap $1 / 4$ "-wide, 4 -coaxlal capactors. All neces sary hardware and complete instructions for installation are included. Shpg. wt., $11 / 4 /$ los. 42 R 09052

NEW Emergency Call System For Cars

## ONLY $44^{35}$ with mike/speaker <br> - Complete CB Transceiver Operates on Channel 9 <br> - Combination Mike and Speaker Saves Space

Monitor Channel 9, 24 hours per day in your car. Just pick up the push-to-talk milke and call for help in an emergency. Mike also includes built-in-speaker. Comes with Transmit and Recelve crystal for Channel 9 in. stalled. Poweriul solid-state circuitry includes 7 transistors, 4 diodes, and 1 IC.


Includes mounting bracket for easy under dash instaliation. Power Input 5 watts. RF Power Output 3 watts. For $\mathbf{1 2}$-volt Negative ground systems. Size $150 / \mathrm{H} \times 31 / 2 " \mathrm{w}$ x $71 / 4 \cdot \mathrm{~L}$. Shpg. wt., $21 / 2$ lbs. imported. 42 R 66052

Net 44.95

## CB Nuvistor Preamplifier

$12^{35}$


- Avoid TV Interference

Effectively reduce TVI which may be eminating from your CB transmitter and interfering with TV sets. This four section filter is designed with 43.2 MHz . cut-off and extremely high attenuation in all TV channels for cltizens band and other transmiters 30 MHz . and lower. Rated 100 watts input. \$0-239 connectors bullt-in. Shpg. wt. $3 / 4$ lbs.
42 R 7700
Net 7.65

## E. F. Johnson <br> Solid State In-Converter

$22^{95}$

$15^{95}$

## Converts:

6VDC to 12VDC GVDC to 18VDC 12VDC to 24 VDC


Permits you to match voltage and polarity from any 6 or 12 volt DC power source to your cifizens band equipment. Converts 6 volts DC to 18,12 volts $D C$ to 24 . Inverts polarity from positlve to negative to positive. Select any combination of connections in seconds by merely changing one jumper cable. Size: $53 / 4^{" L} \times 21 / 2 " \mathrm{H} \times 334^{\prime \prime} \mathrm{W}$. Shpg. wt., $21 / 4 \mathrm{lbs}$.
42 R 39190


Net 22.95

- Ideal for Emergency Phone Calls Using Your CB Transceiver
Talk anywhere in the world from your car or truck. Simple installation allows your telephone to be connected to your CB communications system. For use with 3-16 ohm speakers and high impedance microphone inputs. Modufation gain control to compensate for varying line levels. On-off switch disconnects patch when not in use. Dimenstions: $41 / 4 " \mathrm{~W} \times 17 / \mathbf{n}^{\prime \mathrm{H}} \times 2^{\prime \prime} \mathrm{D}$. Shpg., $11 / 4 \mathrm{lbs}$. 42 R 01638

Net 15.95
CB Transceiver Auto-Mount 795

- Adjustable-Fits all Transceivers Screws firmly to floor. 1" strap holds transceiver firmly in place. Easy access to all controls. Steel construction. Size: $101 / \mathrm{s}^{\prime \prime}$ to $143 / /^{\prime \prime}$ wide, $103 / /^{\prime \prime}$ long. Rear helght: $53 /{ }^{\prime \prime}$ ", front height $9^{\prime \prime}$. Shpg wt., $51 / 2 \mathrm{lbs}$. 42 R 68009W $\qquad$


# Lafayette CB Replacement Parts \& Accessories <br> 12 VOLT DC POWER CABLE 



Consists of one hot red lead and one olack 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 durable plastic holder containing a protective fuse. Features well soldered connections, strong wire. Overal length approximately 6 feet long. For HB 500 A A, HB-555, HE-525 Series. HB-625, HB-23, Telsat 150 , Telsat 50, HA-750, PB-50. PB-150. HA-39, 42, 45, 46, 153, 155. HA-159. 99 R 31106 Imported. Wt., 4 oz . Net 2.50

## DC POWER CHASSIS JACK



Mounts on chassis rear and accepts plug of 12 volt DC power cable 99. 31106 above. Used in HB-500, A, HB525 Series. HB 625, HB-23. HA. 750, PB-150, PB-50, HA-39, 42, 45, 46, 153. 155, 159. Telsat 150 and Telsat 50, etc. Imported.
99 R 63638 Shpg. wt., 2 oz. ..... Net . 89

## CABLE ASSEMBLIES



FOR COMSTAT 23, 25, 25A, 25B
AC Cable Assembly. $53 / 4 \mathrm{ft}$. of durable cable terminating in dual prong power plug on one end and in 8 -prong octal socket on other. Shpg. wt., 502.
99 R 32401 imported Net 1.95 DC Cable Assembly. $41 / 2 \mathrm{ft}$. fused DC Cable tinned on one end and terminating in octal socket on other. Shpg. wt. 5 oz .
99 R 31825 Imported
Net 2.50
For Comstat 23 MK V \& MK VI AC Cable Assembly. Shpg. wt., 502. 99 R 32419 Imported ... Net 1.95
AC CABLE ASSEMBLIES For HE-20, A, B. C: HE-43. A, B, C; HE-45, A, B; HE-50, A. HB 333. Shpr. wt. 5 oz .

32 R 09327 Net 1.95

> HEAVY DUTY CB MICROPHONE CABLE


- 3 Conductors Plus Shieid

A durable coiled cord, retractable microphone cable with 3 insulated conductors, one of which is shielded. Extends to 5 feet and retracts to 10 inches. Is used with Lafayette HB-500. A. 525 Series, HB-625. Telsat 23. Telsat 50 , Telsat 150 , Micro-12. etc. Imported.
99 R 63620 Shpg. wt. 4 oz . Net 2.49
MOBILE MOUNTING BRACKETS

Complete with top mounting holes, and with adjustable side mounting holes for knurled screws. Used in Lafayette HB-525 Series. HB.625. HA-750, PB-50 and PB-150, Telsat 50, Teisat 150 , efc. $63 / 4 \times 2 \pi 3 / 6^{\prime \prime}$. Imported 99 R 6358 Shpg. wt., 5 oz . Net 1.49 Same as above but for Lafayette HB-555. HB23. HA-39, 42. 45, 46. 153. 155, HA-159. $61 / 4 \times 21 / 4 \times 3 / 4^{\prime \prime}$. imported. 99 R 63596 Shpg. wi ${ }_{24} 4$ oz. ... Net 1.49

## 27MC WALKIE-TALKIE TELESCOPING ANTENNA

Attractive and highly efficient 12 section chrome plated brass telescopirg antenna for "walkie taltie" trans. ceivers. Measures $52^{\prime \prime}$ fully extended and 57/8" retracted. Has \#8-32 threaded stud and nut at bottom for easy mounting, and soldering lug for electrical connection. Shpg. wt. 5 or 99 R 30082

Net 1.95

## LAFAYETTE MINIATURE MICROPHONE CONNECTORS

(A) Microphone Plug for CB and Amateur Microphones. Precision engineered and sturdily constructed. Plus takes any 4 conductor (or 3 conductor with shleid), coiled cord or straight cable. Features threaded retaining ring for positive locking, integral cable retaining clamp, and polarizing keyway. Size: $11 / z^{\prime \prime} \times 1 / 2^{\prime \prime}$. Used with microphone in Comstat 23, MKV, MKVI. Comstat 25, 25A, 25B, HB-444, HB-444 125, HB-444/25A, Comstat 19. Imported. 99 R 62630 Shpg. wt., 3 oz. . Net 1.49 (8) Wicrophone Chassis Socket Mounts on equipment chassis or panel and mates with 99-62630
 plug. Size: $3 / 4^{\prime \prime} \times$ Ko" Dia. Re. quires \$/e" mounting hole. Used in Comstat 23, MKV, MKVI, Comstat $25 A, 258$, HB-444/ 25A. Comstat 19. Imported. Wt. 3 oz.

## 99 R 62648

Net .89
MICROPHONE PLUG
Altractive, sturdy plug used with HB-555. HB-600. HB-600A. HA-650, HE-200, HB-525 Series, HB-625, HE-201. HB-23, HA-750, Tel. sat 23. Telsat 150 , Teisat 50 and Micro- 12 microphones. Four male prongs on one end with retainlng cable clamp on the other end. Sturdy molded plastic body with plated metal housing. Size: $5 / 4=00 \times 11 / 2^{\prime \prime}$ overall. Imported. Shipg. wt., 402.

## 99 R 62838

Net .99
MICROPHONE CHASSIS


## SOCKET

Mounts on chassis rear of equipment. Accepts and mates with micro. phone plug 99 R 62838 above. Used In MB-555 H8-600, A, HA-650, HE 20D. HB-525 Series, HB. 625, HE-20T, HB-23, HA-750, Telsat 23, Telsat 50 Telsat 150 and Micro-12. Imported. 99 R 63646 Shpg. wt., 2 oz. .....Net .99 ILLUMINATING PILOT LAMPS


S Meter llluminating Lamp. Operates on 6 volts AC or DC. Used in Lafayette Com stat 23, MKV, MKY/, Comstat 25, Comstat 25A. 258 , HB 444/25A. Imported. Shpg. wt., 302.
99 R 62622
Net 34
Channel selector Disf Indicater Lamp. Used in Lafayette HB-500, HB-525series HB-625 HB-600, HE-20D, HE-20T, HA-39, 42, 45, 46 153. 155, HA-159, HA-750. Telsat 150 , Telsat $50, \mathrm{~PB}-50, \mathrm{~PB}-150$, Micro-12. Imperted.
99 R 63612 Shpg. wt., 2 oz. ......Net 29

## CB CONNECTOR ADAPTERS



A
B
[A] Adapts from an auto antenna plug (Motorola type) to an $\$ 0.239$ socket. Wt., 4 oz . 42 R 22014

Net 1.29
[8] Adapts from PL-259 plug to a standard auto radio antenna jach (Motorola type). $40 z$. 42 R 22022 Shpg. wt., 4 oz. Net 1.29
generator noise filter

- Freq. Range $3-30 \mathrm{MHz}$
- Simple to Install - Adjustable


Enables quiet receiver operation for Clitizens Band. Amateur and indus. trial frequencies. Standard frequency range 3-30 MHz . Maximum current 25 amps. Imported
99 R 60188 Shpg. wt., 5 oz. ....Net 2.29

## 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., 507.
42 R 89013
Net 3.95


## ALTERNATOR NOISE FILTER



A highly effective filter for alternator equipped autemoblles. Attenuates alternator noise by 50 bb . Can operate up to 32 volts DC. Results in quiet mobile receiver opera tion. Shpg. wt., 4 oz .
42 R 49009
Net 3.49
TUNEABLE ALTERNATOR FILTER


- Handles Up To 52 Amps - 22-60 MHz Range

Designed for ultimate in mobile alternator noise suppression. Can also be used with Amateur and Business Band mobile rigs. Yunes 22 -
 60 MHz . Adjustable frequency trimmer rating 52 amps continuous. Shpg. wt., 1 lb . 42 R 44026 ....Net 11.45

## TRANSISTORIZED VIBRATORS



Ideal replacement for oldfashioned mechanical vibrators. Direct replacements for 4 -pin, 12 -volt vibrators in CB mobile rigs, auto radios and commercial communications equipment. Eliminate vibrator hash and replacements due to sticking contacts. Handles up to 4 amps because of matched transistor complement and exclusive transformer design. Size 3 "H x $142^{\prime \prime} 0 . \mathrm{D}$. Shpg. wt., 802.
For Vibrator Sockets with pin \#1 Positive 42 R 79006

Net 9.95 for Vibrator

Negative. 42 R 79014

Net 9.95


## KNURLED SCREW

For mounting mobile bracket onto Lafayette HB-525, A, B, C, HB-555 HB-625, HB-23, HA-750, Telsat 50 Telsat 150. PB-50, PB- 150 and Micro-12. Imported. Shpg. wt., 30 oz 9963604

Net. 45
For Lafayette Comstat 23, MKV, MKVI. Comstat 25. Comstat 25A, 258. HB-444/25.
99 R 31833 Shpg. wt., 2 oz ......Net . 45
Lafayette Cat. No. 720

# LAFAYETTE Industrial Pocket Pager 



ACCESSORIES
Frequency Tuning Fork Filters (Any Two Listed Below)

| 99 R 35529 | 817.5 Hz | 99 R 35552 | 967.5 Hz |
| :--- | :--- | :--- | :--- |
| 99 R 35537 | 862.5 Hz | 99 R 35560 | 997.5 Hz |
| 99 R 35545 | 922.5 Hz | Net ea. 4.95 |  |

# REACH YOUR MAN ON THE MOVE INSTANTLY, QUIETLY, PRIVATELY! 

EXCELLENT for: Factories, Hospltals, Warehouses, Farms, Research Compounds, Department Stores, Sports, etc.
CONTACT: Doctors, Nurses, Plant Englneers, Supervisors, Malntenance Men, Securlty Personnel, Department Heads, and Other Key Personnel.

- Up to 230 Vital People At Your Fingertips!
- Save Busy Switchboard Time and Money!
- Minimize Disturbing Non-Private Paging!


#### Abstract

Lafayette's Industrial Selective Pocket Pager introduces a new concept in realistic, economical local communications with vital personnel normally on the move. By inserting or clipping the pocket Pager into your shirt pocket you can easlly be reached by your superior who operates a Lafayette solid state 27 MHz transceiver to which is connected a latayette selective Encoder.Decoder. With the Priva-Com IIIC Encoder-Decoder up to 23 different people can be called vocally with a private message. With the Lafayette Priva-com 10 selective calling Encoder-Decoder up to 230 different people can be contacted privately. The selection of the transceiver channel corresponding to the frequency of the individual you wish to call, followed by the activation of the call button on the Priva-Com unit breaks the Pager's silence with an audible tone and permits the message to be heard through the Pager. Actlvation of the reset switch returns the Pager to silent standby. This amazing littlie Pager features an 18 -transistor, 5 -diode superfeterodyne circult with RF slage for $0.7 \mu \mathrm{~V}$. sensitivity, mechanical filter for superior selectivity, an internal ferrite bar antenna, an earphone/external speaker lack, etc. It is supplied complete with channel 6 crystal, plus 2 dummy filters required for operational check prior to actual use. It requires the insertion of any 2 of the tuning fork filters listed below. The Pager uses one 5.4 -volt mercury battery or one 5 -volt nickel cadmium rechargeable battery. Size: $51 / 2 \mathrm{H} \times 25 / 8 \mathrm{~W} \times 15 / 16^{*} \mathrm{D}$. Shpg. wt., $11 / 2 \mathrm{lbs}$. Less Tuning Filters and Battery. 99 R 35602 L No Money Down" Net 49.95 Alternate Receive Crystal. For any CB channel from 1 to 23. (specify channel) $\dagger$ 46 R 10 Net 2.25 tSee Page 444 on How to Order Crystals. 5.4 Volt Mercury Battery (1 required)

32 R 46741 Pkg. of 2 Net 3.84 Alternate 5 -Voit Nicad Rechargeable Battery. Shpg. wt., $3 \mathbf{~ o z}$. 32 R 67010 Net 16.95 99 R 35610 Nicad Battery Charger. Wt., $13 / 4$ Ibs. Net 19.95 40 R 79018 Earphone for Pager ............... Net 59


## LAFAYETTE RECOMMENDED ECONOMY PAGER SYSTEMS



## 12 CHANNEL PAGING SYSTEM

- Lafayette Model HE-20T 27 MHz Transceiver Plus Channel 6 Transmit Crystal
- Lafayette Priva-Com IIIC Encoder-Decoder
- $1 / 2$ Wave Indoor Antenna with cable and connector
- Lafayette Industrial Pocket Pager Plus Tuning Fork Filters
Recommended for systems requiring private communication with up to 12 different individuals or with any number of people using up to 12 different channel frequencies. The Pager channel frequencies are pre-determined by the frequencies of the crystals in the HE-20T which is supplied initially with crystals for channel 9. Eleven addifional pairs of crystals are required for 12 channe operation. Crystal frequency in each pager must match the asso. clated HE-20T channel. A channel 6 transmit crystal for the HE-201 and 2 tuning fork iliters for the pager are supplied for complete compatibility. Complete system; Shpg. wt., 221/4 lbs.
42 R 92173 WXM No Money Down*
See Page 444 for additlonal crystals for HE-20t
Net 204.95



## 23 CHANNEL PAGING SYSTEM

- Lafayette HB-600 27 MHz Transceiver
- Lafayette Priva-Com IIIC Encoder-Decoder
- $1 / 2$ Wave Indoor Antenna with Cable and Connector
- Lafayette Industrial Pocket Pager Plus Filters

Recommended for systems requiring private communication with up to 23 different individuals, or with any number of people using up to 23 different channels. The H8-600 is supplied complete with all crystals required for the 23 different channels. The crystal frequency of each pager must match the transceiver's channel it is supposed to receive. Shpg. wt. 23 lbs .8 oz.
42 R 92181wXM No Money Down
Net 329.95

## 230 CHANNEL PAGING SYSTEM

Same system as above except with Lafayette Priva.Com 10 instead of Priva.Com IIIC. Permits transmission of private messages to up to 230 different individuals and to many times that number with semi-private messages. Shpg. wt., 26 lbs. 8 oz. 42 R 92199 wxm No Money Down*

Net 389.95
-See Puge 22 for Full Credit Details on Easy Pay Plan

## Lafayette Priva-Com ${ }^{\circ}$ Encoder-Decoders save money- Save time-boost efficiency



23 Transistors, 13 Diodes, and 5 Tuning Fork Filters
Expertly designed solid state circuitry features push-button selection and communications with any one of 10 mobile stations at any one time, or with any assorted quantity of remote stations using up to 10 different dual tone frequencies. The remote motile remains quieted until the call signal from the Piva-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 identity the call. With a

## PRIVA-COM ${ }^{\text {® }} 10$ SOLID STATE SELECTIVE ENCODER-DECODER

- Increases Paging Channels by 10 Times
- Push-button Selection of Any one of 10 Dual-Tone Frequencies
- Indicator Lamps Signal and Identify Incoming Calls
- External Speaker/Horn Switch and Terminals
- Dual Tone Minimizes False Triggering On Stray Signals
- Compatible With Priva-Com III, IIIA, IIIB, IIIC and IV
- Mates Directly With HB-555, HB-525A,B,C, HB-600,

HE-20T, and Telsat 23 CB Iransceivers With a
Built-in Priva-Com Socket
remote speaker or horn connected to the external speaker/horn terminals an audible signal can be heard with the incoming cafl. Increases number of channels by 10 times when used with Lafayette Pocket Pager. Attractively styled with brushed aluminum panel and oiled walnut wood case. For 115 volt AC $50 / 60 \mathrm{~Hz}$ operation. Size: $101 / s^{\prime W} \times 77 / \mathrm{s}^{\prime \prime} \mathrm{O} \times 3 \mathrm{M} / \mathrm{m}^{\prime H} \mathrm{H}$. Shpg. Wt., $7 \frac{1}{4}$ lbs. imported. 99 R 31619W

Net 99.95

## PRIVA-COM ${ }^{*}$ IIIC SOLID STATE ENCODER-DECODER

For Lafayette 12 Volt Solid State CB Transceivers

- 9 Transistors plus 2 Diodes
- Dual Tone Minimizes Stray Signal Interference
- Mates Directly with Lafayette HB-555, HB-525A, HB-525B, HB-525C, HB-600, HE-20T, and Telsat 23 CB Tranceivers that have a Built-in Priva-Com Socket.
- Compatible with Lafayette

Priva-Com III, IIIA, IIIB, IV and Priva-Com 10
manually reset. The Priva-Com IIIC, features simple-to-operate pushbutton switches for Standby, Normal (Reset)and Call; a Volume Control; Indicator Light; and a sturdy mobile bracket for mounting under dash, under transceiver, etc. Supplied with 2 plug-in selective ceramic and resonant tuning fork filters, one for 817.5 Hz , and one for 997.5 Hz tone frequencies. Size $11 / 4^{\prime \prime} \mathrm{H} \times 35 / \mathbf{m}^{\prime \prime} \times 6 \mathrm{Ka}_{4} \mathrm{O}$. Imported. Shpg. wt., $21 / 2 \mathrm{lbs}$
99 R 32427
Net 34.95

Using an ingenjously designed ceramlc and resonant tuning fork cir cuitry instead of conventional reed relays, the diminutive Priva-Com IIIC is exceptionally adaptable for rellable moblle as well as fixed station performance. Its dual tone signal minimizes the possibility of the transceiver speaker being furned on by stray ignition and power line signals. The Priva-Com IIIC mutes the receiver. When its call switch is activated, either at base or mobile statlons, the CB receiver is activated and the indicator IIght goes on. This tight stays on until

IIC
Choice of any two different frequencies listed below for those wishing to vary their Priva-Com IIIA, IIIB and HIC frequencies. Shpg. wt., 2 oz.

$$
\begin{array}{llll}
99 \text { R } 35529 \text { For } 817.5 \mathrm{~Hz} & \text { 99 R } 35545 & \text { For } 922.5 \mathrm{~Hz} & 99 \mathrm{R} 35560 \text { For } 997.5 \mathrm{~Hz} \\
99 \text { R } 35537 \text { For } 862.5 \mathrm{~Hz} & 99 \mathrm{R} 35552 \text { For } 967.5 \mathrm{~Hz} & \text { Each Net } 4.95
\end{array}
$$

## LAFAYETTE PRIVA-COM IV ENCODER -DECODER

Similar to Priva-Com 111C except used with Lafayette Comstat $25 A$ and with Comstat 258 's that have selective call socket and circuitry. Compatible with Priva-Com 111 A, B, C, and 10. Shpg. wt., 3 tbs 99 R 31239

TUNING FORK FILTERS FOR PRIVA-COM* III and IV
To vary your Priva-Com frequencies. Select any two frequencies below not already supplied. Shpg. wt., 2 oz.
99 R 31109 For $817.5 \mathrm{~Hz} \quad 99$ R 31205 For $922.5 \mathrm{~Hz} \quad 99 \mathrm{R} 31221$ For 997.5 Hz 99 R 31197 For 862.5 Hz

99 R 31213 For 967.5 Hz

## PRIVA-COM ${ }^{*}$ V ENCODER-DECODER

- 10 Dual-Tone Frequency Capability
- Incoming Call Indicator Light
- Operates Horn or External Alarm
- Mates Directly with Lafayette

Comstat 25, 25A, 25B
Tube Type CB Transceivers that have
Built-in Priva-Com Socket
This highly dependable encoder-decoder mutes the CB receiver untit a Priva-Com dual tone signal is received. Upon recelpt of this signal the incoming call indicator light goes on, the horn or external alarm, if connected to the Priva-Com, is operated and the recelver speaker is actlvated for audible communications. Both base stations or mobiles can initiate calls. Is not compatible with Priva-Com IIIA. III日,

42 R 01497 For Tube Transceivers
Net 29.95

## GDAPTER FBR PRIVA-COM V FOR $\$$ OLID STATE CB TRANSCEIVERS.

Adapts Priva-Com V for direct mating and efflcient performance with Lafayette HB-525, A, B, and C, HB-600, HE-20T, and Telstat 23 solld state CB transceivers with builtoin Priva-Com socket 42 R 01570 Shpg. wt., 1 Ib.

PPresent Comstat 258 no longer has Priva-Com socket.

# Lafayette Economy CB 2-Way Radio Systems 



## MODEL HB-23A ECONOMY 2-WAY RADIO SYSTEMS



SAVE $\$ 6.55$
$\qquad$ Net 135.95


Same as above except with "Range Boost 11 " deluxe $1 / 2$ wave end-fed antenna. Wt., 27 lbs.
42 R 92231wxM
Net 142.95
From Individual ${ }^{\text {ont }} 135^{95}$ No Money Down*

Same as above except with Bumper Mount instead of Body Mount Antenna. Wt., $113 / 4 \mathrm{lbs}$. 42 R 92215wxM

Net 108.95

## MODEL HB-525E 23 CHANNEL 2-WAY RADIO SYSTEMS



# LAFAYETTE Economy CB 2-Way Radio Systems 



TELSAT 92 Catalog Prices $1544^{95}$ No Money Down*


## Base Systems

consists of: Lafayefte Telsat 924 23-channel crystal-controlled CB transceiver; heavy. cuty Ground Plane Antenna; and $50^{\prime}$ RG- $/ \mathrm{U}$ Gble assembly. Shpg. wta, 233/4 lbs. 42 R 92280 WXM
Same system as above pucept with " soost IIN high gain 1/2 wave len "Han station antenna. Shpg. $w t_{\mathrm{H}}, 251 / 2 \mathrm{tbs}$. 42 R 92298 WXM

Mobile Systems 42 R 92306 WXM wt., $201 / 2$ lbs. 42 R 92314 WXM
 SAVE $\$ 6.90$ From Individual Catalog Prices


No Money Down*


Consists of : lafayette TEISAT 924 23-channel crystal-controlled CB transceiver; staintess steel Body Mount Antenna. $20^{\circ}$ R's-58/U coaxial cable assembly. Shpg. wt., $201 / 2 \mathrm{lbs}$.

Het 144.95
Same system as above except with Bumper Mount instead of body mount antenna. Shpg.

Net 146.95

## COMSTAT 25B 23 CHANNEL 2-WAY RADIO SYSTEMS SAYE $\$ 8.60$ <br> Catalog PricesOnly

## Base Systems



Cansists of: Latayette Comstat 258 23 chan. nel crystal-controlled CB transceiver; heavy duty Ground Plane Antenna; and $50^{\circ}$ RG.e/O ctile assembly. Shpg. wt., $281 / 4 \mathrm{jbs}$ 42 R 91605 wxM

Net 163.95
Same system as above except with "Range Boost il" high gain $1 / 2$ wave length base station antenna. Shpg. wt., 30 lbs.
4 \& 91035 WXM
Net 170.95

## Mobile Systems

Consists of: Lalayette Comstat 25 23 channel crystal-controlled CB transceiver; stainless stael Body Mount Antenna; $20^{\circ}$ RG-58/U coaxial cable assembly. Wi., $251 / 3 \mathrm{lbs}$. 42 R 91613 WXM

Het 153.95

Same system as above except with bumper mount instead of body mount antenna. 42 ค 91621 wxm Wt., $251 / 4$ lbs.... Het 155.95

## LAFAYETTE Comstat 25B 23 Channel Crystal Control Two-Way Radio



With Standby Switch for Low Current Instantaneous Operation only 14995

## Famous 23 Channel CB Best Seller!

All Crystals Supplied!



- 17 Tube Performance with 11 Tubes, 2 Transistors and 11 Diodes
- Built-in 117 VAC, 12 vDC Solid-State Power Supply
- Dual Conversion Receiver Features $8 / 10 \mu \mathrm{~V}$ Sensitivity
- Range Boost Circuitry for Added Talk Power
- PiNetwork and Low Pass Filter for Maximum Power Output
- Vari-tilt Mounting Bracket


## LAFAYETTE Comstat 23 Mark VI



## Another LAFAYETTE 2-Way Radio Exclusive!

## 2 more channels with each added plug-in crystal!



* Full 5-Watt Maximum Input Power
$\star$ Dual Conversion Superheterodyne Receiver
* With RF Overload Protection (Pat. Pend.)
* 'Range Boost' for Greater Ranǵe
* Burglar Alarm Sivitch
- Operates on 12 Volts DC Negative or Positive Ground and 117 VAC with Optional AC Supply
- Portable Operation With Optional Battery Pack
- Simulated Leather Front Panel
- 455 kHz Mechanical Filter
- Variable Squelch Plus Automatic Nolse Limiting
- Large 5x3 inch Speaker for Superior Audio

Solid-state ultra compact synthesis CB transceiver features superior automatic gain control and sensitivity, greatly increased dependability, and lower current drain. Synthesis type frequency control section permits economical addition of 2 channels with each additional plug-In crystal. Carefully tuned 455 kHz mechanical filter assures razor sharp selectivity with excellent adjacent channel rejection. Dual conversion receiver with RF stage, features $0.7 \mu v$ sensitivity, automatic noise limlting, variable squelch, and push-pull audio amplifier. Transmitter provides full 5 watt legal limit Input and "Range Boost" circuitry for greater average modulation and transmitting range. Illuminated front panel meter monitors "S" units on receive and "PRF" output during transmit. PA Speaker/Earphone jack for silent listening or public address operation. Complete with automatic burglar alarm switch, dynamic push-to-talk microphone, power cable, mounting bracket, fixed crystals for channels 9. 13, and 19, and FCC application Form 505. Size: $6^{\prime \prime} \mathrm{W} \times 8^{\prime \prime} \mathrm{D} \times 2^{\prime \prime} \mathrm{H}$. imported.
99 R 32351wx Shpg. wh, 61/4 Ibs
Net 99.95
Package of 10 Plug-in Crystals. Converts HB-23A to full 23 channel operation. 99 R 31742 Shpg. wt., 1 lb .2 oz. 25.00 HB-5028 Solid State 117VAC Power Supply/Charger. Enables operation of HB-23A as able tod 117 VAC base station, also charges nickel cadmium batteries used in the HB-50\%
99 R 32088W
Net 19.95
Model HB-507 Portable Battery Pack. Adapts HB-23A for convenient portable operation with shoulder strap. Less " $C$ " batteries.
99 R 31551 Shpg. wt., 4 lbs.
Net 19.95
"C" Alkalline Battery for HB-507 (8 req.)
99 R 63802 Shpg. wt., ea. 5 oz.
Net ea.
.48
Alternate Nickel Cadmium Battery. Shpg. wt., ea. 5 or ( 10 req.)
32 R 48B87
Net ea. 3.90

- See Page 22, for Full Credit Details on Easy Pay Plan

HB-507

HB-23A
Base Station


## OPTIONAL INDIVIDUAL PLUG.IN CRYSTALS

Each Crystal Adds 2 Operating Channels. Inserts Into Specified Crystal Sockets. Shpg. wt., 2 oz. 99 R 31635 Channels 1 and 5 ; For Socket A 99 R 31643 Channels 2 and 6; For Socket B 99 R 31650 Channels 3 and 7; For Socket C 99 R 31668 Channels 4 and 8; For Socket D 99 R 31684 Channels 10 and 14; For Socket $F$ 99 R 31692 Channels 11 and 15; For Socket G 99 R 31700 Channels 12 and 16; For Socket H 99 R 31718 Channels 17 and 21; For Socket 99 R 31726 Channeis 18 and 22; For Socket J 99 R 31734 Channels 20 and 23 ; For Socket $L$ Any One of Above Crystals ... Net each 3.45

## LAFAYETTE MODEL HE-20T 5-WATT SOLID-STATE CITIZEN BAND 2-WAY RADIO

## For Base Station and Mobile Operation

\author{

- 12 Channel Crystal Controlled Transmit and Receive <br> - 23 Channel Tuneable Receive <br> - 455 kHz Mechanical Filter <br> - Priva-Com Private Tone Caller Sochet <br> - "Range Boost" for Extra Talk Power <br> - Also a PA Amplifier with External Speaker
}
- For 117 VAC Base Station and for 12 VDC (Negative or Positive) Mobile Operation
- TVI trap
- Spolting Switch for Accurate Reception
- With RF Overload Protection (Pat. Pend.)

Newest addition to the popular HE-20 sertes of CB transcelvers. This battery, push-to-talk mike and set of crystals for channel 9 . Includes

13 transistor, 10 diode Solid State transceiver is ideal for fixed and moblle communications. Solld-state circultry features low battery drain and provides instant operation; full 5 -watt transmitter input with efficlent push-pull audio modulator plus 'Range Boost' for greater talk power, and an extra-sensitive superheterodyne receiver with sensitivity of $.7 \mu \mathrm{~V}$ for 10 db signal-to noise ratio. Fine selectivity and adjacent channel rejection is obtained through a 455 kHz mechanical filter. Receiver also incorporates automatic floating series-gate noise ilmiter and variable squelch control resulting in virtually no background nolse between calls. Other features: dustfree transmit/recelve relay, earphone jack for headphones or external extension speaker for CB/PA application, illuminated " $S$ " and relative power output meter, mobile mounting bracket and front panel-mounted $4^{\prime \prime}$ speaker. Also features Priva-Com private tone caller socket. Complete with fused DC line cord for negative ground

FCC Iicense application form 505 . Sire $81 / 4 \mathrm{~W} \times 43 / 3 \mathrm{Hx} 113 \mathrm{~K}^{\prime 2} \mathrm{D}$. Imported. 99 R 30884W Shpg. Wt., 15 lbs. No Money Down " OPTIONAL ACCESSORIES
99 R 31064 Positive ground fused 12 VDC cord. Wt., 4 oz. Net 1.50 46 R 65 Extra transmit crystal (specify channel)t ........... Net 2.25 46 \& 10 Extra receive crystal (specify channel) $\dagger$............ Net 2.25 HE-20T Modified for $\mathbf{2 6 . 6 2 ~ M H z}$ (C.A.P.) operation 99 R 31023WXY

Net 99.95
HE-20T Modified for 27.575 MHz (GOV'T) operation 99 R 31031WXY
HE-20T For 27.575 plus 27.585 MHz (FED.GOV'才) operation 99 R 32385WXY

Net 109.95
†See Page 444 for "How To Order Crystals."


# FOR YOUR WELL BENG...FOR YOUR SAFETY! The World's Smallest 5 Watt 12 Channel Two Way Radio 

## Lafayette

 MINI-MOBILE
# $\star$ 12-Channel Crystal Control 5-Watt 2-Way Radio 

For: Car, Truck, Trailer, Boat, Tractor, Plane, Snowmobile, Cycle, Etc.

- 5.Watt Maximum FCC Legal Input Power
- 12-Channel Crystal Controlled
- Highly Sensitive Receiver with RF Stage
- Full-Time "Range-Boost" for Greater Effective Range
- Variable Squelch for Silent Standby
- Automatic Noise Limiting Minimizes Noise Pick-up

A boon to 5 watt mobile communications! The Lafayette Micro- 12 minlature trail blazer embodies exceptiona! versatility and flexibility. Designed and built for extra rellable performance, its compactness and size make it ideal for mobile and portable communications. In addition to the outstanding reatures listed above the Micro-12 includes a 3 -stage transmit circult with up to $\mathbf{1 0 0} \%$ modulation capabilify, an antenna matching adjustment for maximum radiated power, and a highly sensitive receiver with RF stage for $1 \mu \mathrm{v}$. sensitivity at $10 \mathrm{db} \mathrm{S} / \mathrm{N}$. The Micro- 12 also features superior zener diode voltage regulation, very low current drain that permits continuous mobile operation-even with the motor off, a TVI trap for minimizing TV interference, an illuminated channel indicator dial, and an 8-16 ohm externat earphone/speaker jack for private or remote listening. Supplied complete with push-to-talk dynamic microphone with retractife cord, "quick-release" mobile mounting bracket, channel 10 crystals, DC power lead, and FCC Form 505 size: $5 \mathrm{~W} 13 / \mathrm{Hx}$ $71 / 2^{\prime \prime} \mathrm{D}$, Shpg. wt. 5 lds. 99 R 31957W Wo Money Down* EXTRA CRYSTALS FOR MICRO-12. 46 R 15† Transmit Crystal (specify channel)

Net 79.95
as a $10+$ Receive Crystal (specify chanmel)
Net ea. 2.25
Net ea. 2.25


- Mechanical IF Filter for High Adjacent Channel Rejection
- Operates on 12 Volts DC Negative Ground (Easily Convertible to Positive Ground), on 117 VAC with Optional AC Supply, and With Optional Portable Battery Pack
- Very Low Current Drain: Less than 0.7 Amp. on Transmit
- Miniature Size: $13 / 4 \mathrm{Hx} 5 \mathrm{~W} \times 71 / 2^{\mu} 0$.

Micro. 12 Madified for 26.620 MHz . C.A.P.
99R 32310W MY No Money Down*
Net 89.95
MICro.12 Modifled for 27.575 plus 27.585 MHz . U.S Gov't.
99R 32328w XY No Money Down*
Micro-12 Modified for 27.980 MHz (Coast Guard Auxiliary).
99R 32393wxy No Money Down*
Net 99.95

H-So9a Portable Battery Pack Attaches to Micro-12 for comerston to portable operation. Supplied with telescoping whip antenna, battery condition meter, microphone clip and shoulder strap. Less batteries.
99 R 32260 Shpg. wt., $3 \mathrm{lbs}, 5 \mathrm{oz}$.
Net 19.95
Alkaline Battery for H8-509A (8 req.)
99 R $63 s 02$ Shpg. wt. 308.
Net ea. . 48
Alternate Nicad 8at tery for HB-509A (10 rea.)
12 a 48387 Shpe wt 502
Net ear 3.90
HB-512 AC Power Supply. Permits 117 VAC operation of Micro-12 and charges optional nicad batteries used in HB-509A. Shpg. wt., $43 / 4 \mathrm{lbs}$ 99 R 3227 B

Net 19.95
tSee Page 444 for "How to order Crystals."
PORTABLE FOR HUNTING, CYCLING, SPORTS, ETC.


## Lafayette Telsat SSB-25 CB Two-way Radio TRUE SINGLE SIDEBAND PLUS AM 2-WAY RADIO

## 23 Crystal Controlled AM Channels ... Plus 46 Crystal Controlled Single Sideband Channels (Upper plus Lower Sidebands)

- Built-in 117 VAC and 12.6 VDC Power Supplies for Base and Mobile Operation
- Suppressed Carrier on Sideband for Greater Talk Power
- "Range Boost" and Automatic Modulation Control
- Oual Conversion Superheterodyne Receiver with Sensitivity of $0.5 \mu \mathrm{~V}$ on AM and $0.15 \mu \mathrm{~V}$ on SSB
- Built-in Product Detector for Outstanding SSB Reception
- Continuously Variable Fine Tuning for Clarifying SSB and for More Accurate AM Reception
- RF Noise Silencer Circuitry Plus Variable Squelch
- Large Illuminated Front Panel "S" and P-RF Meters
- RF Gain Control for Reduction of Overloading on Strong Local Signals and for Optimum SSB Reception
- Automatic Burglar Alarm Switch


## Compatible with ALL AM, DSB, and SSB CB Transceivers!

Only<br>$299^{95}$<br>No Money Down*

## * 15 Watts P-E-P SSB Input Power <br> * Provides 100\% Talk Power <br> * Crystal Lattice Filter

Lafayette's compatible Telsat SSB-25 AM-True Single Sideband Solid-State 2 -way Radio has been meticulously designed and engineered for outstanding citizens band performance, In addition to the deluxe features that result in exceptional conventional 23 channel crystat-controlled AM transmission and reception, the Telsat SSB-25 forges ahead with True-Single Sideband features that result in the addition of 46 more channel modes of operation with much greater effective transmit power, as well as in low noise, highly sensitive reception with a minimum of interference. Its powerful "true" single sideband transmitter, instead of dissipating its power in the carrier and duplicate sideband, concentrates all its power in the single selected upper or lower sideband
You get $100 \%$ talk power with far greater effective outpuland You get $100 \%$ talk power with far greater effective output and range! The transmitter also features internal RANGE-BOOST circuitry and adjustable antenna loading for maximum RF output. In addition to the highly dependable reception of the 23 crystal controlled AM channels, the superbly engineered dual conversion superheterodyne receiver receives 46 frequency modes on single sideband ( 23 on upper and 23 on lower sidebands) and features a crystal lattice filter that provides maximum signal-to-noise ratio resulting in far greater usable sensitivity white rejecting adjacent channel interference. The receiver also features a built-in product detector for superior reception of $\$$ SB transmissions, continuously variable fine tuning to clarify reception of SSB transmissions and to improve reception of AM stations, as well as unique RF noise silencing circuitry to minimize ignition type noise interfer. ence. Supplied complete with Push-to-Talk Dynamic Microphone, AC and DC Power Cables, Mobile Mounting Bracket, and FCC LI, cense Frorm 505. Operates as base station on 117 VAC and mobile on 12.6 VDC. Negative Ground Only. Size: $91 / 2 \mathrm{~W} \times 33 / 4 \mathrm{H} \times 111 / 4^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 151/2 lbs.
99 R 32377 WUX
Net 299.95

OMI A A 23 Chamnal Crystal Controll CB 2-Way Ratio
PLUS
An Emargency Chamnal 9 Monitor Receiver!


FLASH... FLASH... FLASH
Blinks The Emergency Monitor... You Switch To CB Channel 9
To HELP SOMEONE IN DISTRESS!

- Dual Conversion 23 Channei Receiver
- Single Conversion Channel 9 Monilor Receiver
- $7 \mu \mathrm{~V}$ Main Receiver Sensitivity
- 3 Position Crystal Delta Fine Tuning
- Individual variable Squelch for Each Receiver
- Public Address Facilities - E.F. Overload Protective Circuitry
- 455 kHz . Mechanical Filteı
- "Range Boost" for Greater Elfective Range
- Built-in 115 Volt AC and 12 Volt DC Power Supplies for Base Station and Mobile Operation


FEATURES
1-llluminated "S".PRF Meter
2-Emergeney Monitor Blinker Indicator Light
3-Illuminated Channel Selectop Dial
4-P.A. External Speaker Jack (Rear)
5-Tape Record Output Jack (Rear:
6-Adjustable Antenna Load ng (Rear)
7-Adjustable TVI Trap (Rea))
8-Modulation indicator Light
9-MIcrophone Socket
$10- \pm 1.5 \mathrm{kHz}$ Crystal Delta Fine Tune
11 -Individual Normal and Monltor Variable Squelch Controls
12-Volume, On.Off Control
13-Phone Jack for Private Listening
14-Norm/Monitor Push Button Switeh

LAFAYETTE TELSAT-924
ONLY $139^{95}$
All Crystals Supplied!
A true milestone in the finest tradition of Citizens Band applications, the Lafayette Telsat-924 features a separate receiver for nlonitoring Emergency Channel 9 and a superb 23 channel crystal control synthesis type transmit and receive CB tho-way radio in one attractively designed compact unit. When a channel 9 Emergency transmission is received, the emergency monitor light brinks without interfering with regular commanications. Activate the: Normal/
Monitor pushbutton switch to the Monitor position and listen to the Monitor pushbutton switch to the Monitor position and listien to the message. You can immediately try to summon help via phone, etc. If
further information is required, push the Normal/Monitor switch further information is required. push the Normal/Monitor switch
to the Normal position, switch to channel 9 on the channel selector switch, and communicate directly with the person requiring help.
The Telsat-924 is excellent for base station and mobile business or personal communications and incorporates an outstanding transmitter with FCC maximum allowable input power and highly efficient power output. It includes "Range Boost" circultry for high average talk power and greater effective range, idjustable antenna loading for maximum RF output to the antenna, a T.V.I. trap for minimum TV interference, and a modulation indicator light.
The Telsat-924 features two superbly designed receivers. The main 23 channel receiver is dual conversion with $.7 \mu \mathrm{~V}$ sensitivity at 10 db $\mathrm{S} / \mathrm{N}$, image rejection of $42 \mathrm{db}, \pm 1.5 \mathrm{kHz}$ crystal delta fine tuning for hearing "off channe!" stations, Individual variable squelch plus and R.F. overload protection. The channel 9 emergency monitor receiver features individual variable squelch, and a visual receive indicator light. Additional desirable features are output jacks for external public address speaker, for tape recorder and for headphone for private listening. An illuminated front panel meter monitors "s." units on receive and relative power oufput on transmit. Supplied complete with dynamic push-to-talk microphone, mobile mounting bracket. DC cable for negative ground yehicles, and FCC license application Form 505. For 115 VAC and 12 VDC operation. Size: $4 / 1, \mathrm{H}$ $x 1111 / 1, W \times 8^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., $131 / 4 \mathrm{lbs}$. 99 R 32435 WUX

Net 139.95 DC Cable for positive ground vehicles. Shpg. wt., 407. 99 R 31064 $\qquad$ Net

# WHY aren't you listening to the two extra channels in your stereo records, tapes, and FM broadcasts? 



Stereo Receiver or Amplifier

Does Not Require a Second

## Stereo Mmplifier <br> Convert to 4 DIMENSIONAL STEREO with the LAFAYETTE 4-Channel Stereo Adapter

Just add the Lafayette 4-channel Adapter and two more speakers to convert your present stereo system to a sensational derived 4 -channel stereo surround system.

LAFAYETTE'S
Exclusive Geared Control Mechanism

Patent
Applied For

## $29^{95}$ <br> With All

Connecting Cables

Exclusive Lafayette/Pickering Phase 44 Elliptical Diamond Needie Stereo Cartridge


Especially Designed for Derived
See Page 83 for Complete Description

Add the Lafayette 4 Channel Stereo Adapter and two additional speakers to any existing stereo amplifier or receiver and enjoy multidimensional derived 4<channel stereo sound from regular 2-channe stereo records, tapes and FM broadcasts. In addition, the adapter is compatible for use with any 4 -channel encoded source materlal. The Lafayette 4-Channel Adapter actually recovers "reflected" sounds that already, exist on regular stereo recordings but are ""hidden" during conventional 2channel stereo playback. During a stereo recording sesslon, the microphones pick up two types of sounds: direct and reflected, both of which are always included on a, stereo recording. Because of the limitations of a conventional stereo system with 2 speakers in the front only, the reflected sounds are not reproduced. The Lafayette 4 Channel Adapter recovers these "reflected" sounds and reproduces them thru two additional rear speakers aiong with the direct sound from the existing front speakers. Now, the acoustics of the original recording location have actually been introduced into your own listening room. This adds a dramatic new dimen= sion to all existing 2 -channel stereo programs-the sound literally envelopes you and becomes astonishingly "live". Unlike others, this adapter preserves full channel separation and does not require an additional stereo amplifier. Connects to any standard stereo ampliffer or receiver and 4,8, or 16 ohm speakers. For even better results from your records, we recommend the Lafayette/Pickering Phase 44 magnetic stéreo cartridge (See page 83). The Adapter has a 4 -position Function switch (Balance. 4-CH. Front Speakers, Rear Only), plus a Rear Speaker Level Control. Phono jacks on rear for easy hook-up to 4 speakers and amplifier/receiver. 3 pairs of cables supplled with phono plugs at one end. One 6 ft . palr for adapter to receiver, one 15 ft . palr for adapter to front speakers, one 25 ft , pair for adapter to rear speakers. Dimensions: $53 / 4 \mathrm{~W} \times 4 \% / 6 \mathrm{D} \times 27 / \mathbf{"}^{\prime \mathrm{H}}$. Imported.
99 R 02594 Shpg wt., 3 los.
Net 29.95
See page 18 for Money Saving Packages Featuring the Lafayette 4 -channel Adapter and Lafayette Speaker Systems

## LAFAYETTE RADIO ELECTRONICS

111 JERICHO TURNPIKE SYOSSET, L.I., N.Y. 11791

$$
\begin{aligned}
& 157360777 \\
& T \text { BUCKLEY } \\
& 2831 \text { FAIRHAVEN } \\
& \text { AVE } \\
& \text { ALEXANCRIA VA } \\
& 22303
\end{aligned}
$$

BULK RATE
U.S. Postage

PAID
LAFAYETTE
Radio Electronics


[^0]:    SAVE 7.00 When You Buy the Lafayette 4 -channel adapter and 2 Lafayette Criterion 25A 2-way 2 -speaker systems. (See page 56 for description of the 25A's). Shpg. wt., 28 ibs 99 R 99855 WM No Money Down*

    Net 62.85
    Same package as above plus Deluxe Lafayette/Pickering Phase 44 Elliptical Dlamond Needle Cartridge. Shpg. wt., 28 lbs.
    99 R 99863 WM No Money Down
    Net 98.80

    SAVE 10.00 When you Buy the Lafayette 4-channel adapter and 2 Lafayette Criterion 50A deluxe 2-way 2 -speaker systems (See page 57 for description of the 50A's). Shpg. wt., 47 lbs .
    99 R 9987 IWUXM No Money Down
    Net 79.85
    Same package as above plus Deluxe Lafayette Plckering Phase 44 Elliptical Diamond Needle Stereo Cartridge. Shipg. wt., 47 lbs.
    99 R 99889 WUXM No Money Down

[^1]:    Pushbutton switches for Low Filter, High Fllter and Loudness for tonal balance at low volumes.

[^2]:    Free Air Resonance: $\mathbf{2 5 ~ H z . i}$ Overall Frequency Response: 20 . 19,500 Hz.; Fiux Density: 9,000 llaes per sq. em.; Crossover: Mechanical at $1,000 \mathrm{Mz}$., electrical at $3,500 \mathrm{~Hz}$.; Power: 35 Watts program, 70 Walts peak: Wooter Voice Coil: $2^{\prime \prime}$ cia.; I weeter, $\exists / 4$ " dia.; Impedance: 8 ohms; Outside Diameter: $12 \frac{1}{4}{ }^{\prime \prime}$; Overall Depth: 6t/2"

[^3]:    12"0 system: Fully weatherproof! Can be used outdoors or indoors for hi-fi or bidirectional PA paging. Handsome, high-Impact white styrene enclosure with accessory walnut wood stand contains $12^{-2}$ Poly Planar hi-fi speaker. Includes 8 ft . hook-up wire, and all necessary hardware to simply let you stand, hang, or mount the system. Power: 20 watts peak. Frequency Response: $40-20,000 \mathrm{~Hz}$ handiling capacity. Input Impedance: 8 ohms. Size: $13 / 4 \times 131 / 4 \times$ $161 / 4^{\prime \prime}$. Shpg. wt. 4 los.
    21 R 56032 W
    Net 17.95
    $5^{\prime \prime}$ \$ystem: Same as above, but with $5^{*}$ poly-planar speaker. Power handiligg capacity; 5 watts peak. Frequency Response: 70 Hz to 20 $\mathrm{Hz}_{i}$ Impedance: 8 ohms, Size: $3 / 9^{\text {²}} \times 6^{\circ} \times 10^{\text {m }}$. Shpg. wi., 2 lbs. 21 R 56073

[^4]:    - See Page 22 for Full Ciredit Details un Easy Pay Plan

[^5]:    Garrard's finest 3 -speed Automatic Stereo Transcription turntable with synchronous motor for perfectly constant speed. Plays $331 / 3,45$, and 78 RPM Records. Advanced ultra-low mass tonearm of Afromosia wood set into aluminum, floats viftually friction free on jewel-tike pivots in gyroscopically gimballed mounting. Fully adjustable counterweight. Fully damped single-control cueing/pausing. Viscous damped slow descent of tonearm during manual and automatic play, Exclusive 2-point record support at center and edge during automatic play. Permanently accurate antl-skating control of patented sliding weight design. Calibrated stylus pressure gauge adjustable in $1 / 4$ gram increments with window scale for easy reading. SIIde-in cartridge clip. Full size, light-weight turntable. Two interchangeable spindles. All connecting cables for $110-130 \mathrm{~V} 60 \mathrm{~Hz}$ AC Size; $15 \% \mathrm{w}$ x141/8"L, above motor board $4 \% \%^{\prime \prime}$, below 2'Ko", Imported. Wt., 13 tbs. Less Base.
    21 R 40440wX SL95B No Money Down* ............... Net 139.50 21 R $90569 W$ XM SL95B Plus Pickering Phase IV/ATE Net 139.51 21 R 40911 WXM SL95B Plus Shure M93E

    Net 139.51 21 R 90577 WXM SL95B Plus Laf/Pickering Phase 44 . Net 144.50

[^6]:    - See Page 22 for Full Credit Detalls on Eusy Pay Plan

[^7]:    - See Page 22 for Full Credit Details oh Easy Pay. Plan

[^8]:    Highly styled compact AM-FM music system at a low, low Lafayette Price. BSR "mini" stereo record changer piays 12", 10 ", \& 7 " records at $162 / 3$ " $331 / 3,45$, and 78 RPM. Features precision-balanced turntable, low mass pick-up arm for accurate tracking and diamond LP stylus ceramic cartridge. Solid-state stereo amplifier has 5 controls-Volume Left. Volume Right, Bass-Treble, seiector (Phono, FM, AM), Tuning. AM-FM Radio has slide-rule tuning dial, and bulit-in'

[^9]:    Enjoy the convenience of stereo cassette tapes in your car ... plas the luxury of standard FM and FM Stereo broadcasts from one compact unit. Features fully automatic operation; fast slot load "Staf System": single lever function control for Eject/Off, Fast Forward and Rewind; illuminated FM tuning dial; stereo indicator light; AFC, Local/Long distant switeh and Mono/Stereo FM reception. Thumbwheel control for Volume, Balance. Tone and FM tuning. Has bullt-tn nolse suppresslon filters. 20 -watts output wower, Response: $40-$ $15,000 \mathrm{~Hz}$ Radlo; $40-10,000 \mathrm{~Hz}$ Tape. Sensitivity (FM); $4 \mu \mathrm{~V}$. For 12 V ., neg firnd., car system. Size: $9 \%_{0} \times 9 \times 4 \%_{0}^{\prime \prime}$. Imported. 17 R 57012 wx Shpg. wt., 12 ibs. No Money Down* Net 169.95 Deluxe Set of 2 -Lafayette Rear Deck Matched Speakers. Imported 99 R 62986 Shpg. wt., 3 lbs.

    Net 9.95

[^10]:    - Mylar is the registered DuPont trademark for its polyester film.

[^11]:    Depend on Lafayette For Everything in Electronics

[^12]:    HIGH RAND FM-VHF POLICE AND AM RAOIO. Listen to the drama of averyday life with this exciting radio. Monitor local and state police, as well as fire departments. 162.55 MHz . U.S. Weather Bureau stationst. civil defense, and emergency public services. includes standard AM band. Loaded with these outstanding features: 2 RF stages, 4 IF stages, slide rule logging scale for precise tuning, ferrite rod AM antenna, telescoping VHF antenna, large $3^{\prime \prime}$ speaker for superb fidelity Handsome black case with silver trim. Earphone jack for private listening. Operates on 4 "AA" type batteries (included) or 117 VAC with optional AC adapter. 11 transistors, 4 diodes, 1 thermistor. $7 \mathrm{~W} \times 41 / 6 \mathrm{H} \times 21 / \mathrm{s}^{\prime \prime} \mathrm{D}$. Imported.
    99 R 35222L Shpg. wt., $21 / 4 \mathrm{lbs}$.
    Net 21.95
    LOW BAND FM YHF POLICE ANO AM RADIO. Same deluxe features and specifications as above Police radio but tunes low band $30-50 \mathrm{MHz}$ instead of High Band. Imported. Shpg. wt., $21 / 4 \mathrm{lbs}$.
    99 R 35347 L
    Net 21.95
    ACCESSORIES FOR GUARDIAN II POLICE RADIOS

    | Sock No. | Description |  |  |  | Shpg. Wt. | Net Ea |
    | :--- | :--- | :---: | ---: | :---: | :---: | :---: |
    | 99 R 35362 | AC Adapter | 12 oz. | .3 .95 |  |  |  |
    | 99 R 62580 | Extra "AA" Batteries (4 required) | 3 oz. | .10 |  |  |  |

[^13]:    No. 302 Solderless Test P-od Type
    32 R 65063 Red
    32 R 65063 Red
    32 R 65071 Black
    Me. 317 Phono Needle Text Prod
    32 R 65089 Red
    Net .33
    Net .33

[^14]:    

[^15]:    Masel AC \&238 Adds greater rame to your Super-Colortron antema with this solld state cartriage amplifier. Printed circuit desigh with long-lite overlay silicon transistors, addos big slenal boost right at point of reception. Helps pull in weak distant channels and defivers strong clean signals to TV set for crisp, clear, snow-free cotor and black and white. Slides perfectly into super-Colortron cartidge housing on antenna. Includes power supoly that mounts on back of TV set. For 300 ohm lines. For $117 \mathrm{VaC}, 60 \mathrm{~Hz}$. Shps. wt., 1 HS .
    18 R 60659 No Money Down*

[^16]:    Conventional male interlock sochet. Standard type used on all tetevision receivers. Heavily plated confact pins. $11 / 4^{\prime \prime}$ mounting centers. Shpg. wt., 3 oz.
    18 R 27187
    Net .19

[^17]:    Switchable power outiot boy for wall or bench mounting. Three individualty con. wolled outlets, each with its cown indicator light. Measures $4 \times 21 / 2 \times 14^{*}$. Equipped with 3 polarized receptacles, 3 toggle switiches, 3 indicator Hghts, $6^{\text {th }}$. line cord. Rated 5 amps if 125 volts $A C / D C$. 1 m . Rated 5 amps it 125
    ported. Shps. Wt., 11 b , 39 角 80079

    Net 2.99

[^18]:    Chrome vanadium set. Removes broken and muftilated screws-bolts-studs, even $1 / 8^{\prime \prime}$ and $1 / 4^{-}$pipe. Simply drill darraged screw. twist oxtractor in-and back screw out. With plastic pouch. Imported. Shpg. wt., 6 oz. 13 ค 55452

[^19]:    One of the handiest tools for the handyman, craftsman, hobbyist, and homemaker. For professional refinishing or Invisible touch-up on applfances, furniture, boats, cars, etc. Easy to use, air brush features high jmpact Delrin body, adjustable paint tip for fline or heavy spray, 15 oz, aerosol power pack with vinyl hose and on-off air valve, metal controls. Comes with 4 Jars of paint-RED, YELLOW, BLUE, BLACK. Easy-to-follow instructions.
    13 R 45537 Shpg. wt., 3 Ibs.
    Net 7.95
    REPLACEMENT POWER PACK
    13 R 45529 Shpg. wi., $11 / 2$ lbs
    Net 1.69

[^20]:    Save valuable servicing time 'hunting up' exact components for substitution testing oniy. Provides twelve 1 -watt resistors from 10 to 5.6 K ohms. Tweive $1 / 2$-watt resistors Irom 10 k to 5.6 megohms. Ten 600 -volt capacitors from 100 mmid to 0.5 mfd . Ten electrolytics that can be used singly or as duals to form up to 25 different values. Electrolytic surge protector circuit prevents arc, spark or healing of electrolytic in set 2 mfd to 250 mfd at 450 volts. Power resistors of 20 watts from 2.5 to 15,000 ohms, and $\begin{aligned} & \text { universal } 0.5\end{aligned}$ amp. silicon and selenlum rectifier for substitution. Size: $101 / 2 \pi$ $433^{14} \times{ }^{31 / 4^{\prime \prime}}$ Shpp. wt., 4 lbs.
    38 R 53363 No Money Down
    Net 69.95

[^21]:    A moderately priced inttrument for complete analysis of all types of capacitors, including lowivoltage capacifors, at a guaranteed accuracy of $\pm 3 \%$ for values to 200 mfd . and $\pm 5 \%$ from 200 mfd . up. Capacitance bridge measures capacity in five ranges from 1 mmf to 2000 mfd , with color-keyed pushbutton range selection. Large meter directly indicates insulation resistance up to 50,000 megohms for paper, ceramic and mica capacitors. Wien bridge measures power factor of electrolytic capacitors from 0 to $50 \%$ in three ranges. Leakage current of electrolytic capacitors measured directly on meter, with continuously variable test voltage up to 600 volts. Burn-out-proof meter; safety switch. $8 \%$ ₹ $145 / 8 \times 61 / \mathrm{m}^{\prime \prime}$. For $110-120 \mathrm{v}$ $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 18 lbs.
    38 R 70011W
    Net 149.50

[^22]:    Excellent Lab preclsion scope featuring Pushpult direct coupled vertical amplifier with figh sensitivity: $25 \mathrm{mv} / \mathrm{Im}$. Response flat from DC to 4.5 MHz , useful to 10 MHz , ideal for reproduction of 3.58 MHz color TV sync. burst. 4.step freq.-compensated attenuator in both AC, DC positions. Also internal voltage calibration. Automatic sync. Iimiter and amplifier. 2 (-full screen horizontal positioning. Sweep-freq.: 10 to 100 Hz with external capacitor for lo-freq. sweeps. Peset TV V a sweep positions ( 30 and 7875 Hz ) Varlable lighted graphed $5^{\prime \prime}$ screen. Very hi-input impedance. Complete with all components and instructions for easy assembly. $13 \times 81 / 2 x$ $16^{\prime \prime}$. For $105-125$ VAC, $50-60 \mathrm{~Hz}$. Shag. wt., $281 / 4 \mathrm{lbs}$.
    38 a 26435 W Kit.
    Wet 109.95
    Model 460 KII . As above, but factory wlred.
    38 R 26443 W No Money Down *... Net 169.95

[^23]:    38 R 26450 Model PSD-K Demodulator Probe Kit. We., $1 / 2$ ib,
    38 R 26468 Model PSD as above but factory wired. Wit. $1 / 2$ ib 38 R 26476 Model PD.K Direct Probe Kit. Shpg. wL, $1 / 2 \mathrm{lb}$.
    38 R 26484 Model PD as above, but factory wired. Wt., $1 / 2 \mathrm{lb}$
    38 R 26492 Model PLC-K Low Capacity Probe Kit. Wi., $1 / 2$ ib.
    38 R 26518 Model PLC as above, but factory wired. Wi., $1 / 2 \mathrm{lb}$

    Net 4.95
    Net 6.95
    Net 3.95
    Net 4.95
    Net 4.95
    Net 6.95

[^24]:    Additional charge for each $\operatorname{COD}$ delivery, 65 cents-and each address correction 65 cents.
    WEIGHT AND SIZE LIMIT'S
    Maximum Weight per package, 50 POUNOS.
    Maximum Weight of all packages from one shipper to one consignee in one day, 100 pounds.

    Maximum Size per package, 108 INCHES IN LENGTH ANO GIRTH COMBINED.
    Minimum charge for a package measuring over 84 inches in length and girth combined will be equal to charge for a package welghing 25 pounds.

[^25]:    ${ }^{\circ}$ See Page 22 for Fwll Credit Details on Eusy Pay Plun

[^26]:    ${ }^{\circ}$ See Page 22 for Full Credit Details on Easy Pay Plan

